



HIGH SCHOOL PROGRAM OF STUDIES 2018-2019



VOLUSIA COUNTY SCHOOLS

The School Board of Volusia County

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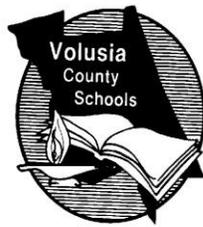
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The information contained in this booklet is subject to change at any time due to changes in legislation and School Board policy.

Vision Statement

Ensuring all students receive a superior 21st century education.

Mission Statement

Volusia County Schools will ignite a passion for learning by providing a challenging, creative curriculum in a safe, supportive environment where students reach their highest potential.

General Education

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ART

ART HISTORY COURSES:

☆0100300/AMA	ADVANCED PLACEMENT ART/HISTORY OF ART	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Art Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to investigate the aesthetic content and historical context of images, icons, monuments, and shelter through analysis and written response about works of art from early times through contemporary art forms. A thematic approach enables students to compare and contrast works of various artists, periods, and styles. Global Art, Sculpture, and Architectural forms are also examined for subject matter, function, purpose, and artist intent.

TWO-DIMENSIONAL ART COURSES:

0101355/AAN	CREATING TWO-DIMENSIONAL ART	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

The purpose of the course is to investigate a wide range of media and techniques, from both a historical and contemporary perspective, as students engage in the art-making processes of creating two-dimensional works, which may include drawing, painting, printmaking, and/or collage. Student artists use critical analysis to reflect on their own artwork and that of others to achieve artistic goals related to craftsmanship, technique, safety, and application of 21st-century skills. This course incorporates historical and cultural references, hands-on activities, journaling, and consumption of art materials.

0101300/ANA	TWO-DIMENSIONAL STUDIO ART 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

The purpose of this course is to sharpen powers of observation and develop art skills by experimenting with wet and dry media, techniques, and drawing approaches to record ideas and to transfer concepts to painting, printmaking, collage, and/or design. Students sketch, plan, practice, and manipulate the structural elements of art; use research information; visualize imaginative ideas; and improve mark-making skills that are fundamental to all visual art imagery. Ethical use of art content is stressed. Through the critique process, students evaluate and respond to their own work and the work of others. This course incorporates hands-on activities, sketchbook journaling, and consumption of art materials.

0101310/ANB	TWO-DIMENSIONAL STUDIO ART 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Two-Dimensional Studio Art
	Type of Credit:	1 Performing Fine Arts

The purpose of this course is to develop and refine mark-making and technical skills using a variety of media to achieve spatial relationships in representational, abstract, and nonrepresentational drawing, painting, printmaking, collage, and/or design. Students sketch, manipulate, and refine the structural elements of art through the organizational principles of design to complete a composition from observation, research, and/or imagination. Through the critique process, students evaluate and respond to their own work and the work of others; consider how art reflects society; and collaborate on ideas and imagery. This course incorporates historical and cultural references, hands-on activities, sketchbook journaling, and consumption of art materials.

0104340/AQE	DRAWING 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

The purpose of this course is to emphasize the creation and communication of symbols, ideas, and concepts, sharpen powers of observation, and incorporate cultural and historical connections in a variety of two-dimensional (2-D) works. Students practice sketching, experiment with wet and dry drawing media and techniques for approaches to drawing problems, develop critical thinking skills, and improve mark-making which is fundamental to all visual arts imagery. Figure drawing is introduced, and career and real-world applications will be investigated. Ethical use of art content is stressed. Through the critique process, students evaluate and respond to their own work and the work of others. This course incorporates hands-on activities and consumption of art materials.

0104350/AQF	DRAWING 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Drawing 1
	Type of Credit:	Performing Fine Arts

The purpose of this course is to develop and refine mark-making, technical, and media skills and create 2-D compositions in which objects are imitated or altered in appearance with changes in lighting and/or artist viewpoint. Students sketch, manipulate, and practice creating subjective and objective drawings based on the structural elements of art, the organizational principles of design, observation, spatial relationships, visualization, reinvention, and research. Compositions incorporate conceptual or informational ideas from still life, landscape, figures, and/or architecture. Through the critique process, students evaluate and respond to their own work and the work of others. This course incorporates hands-on activities and consumption of art materials.

0108370/AAO	DIGITAL ART IMAGING 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

The purpose of this course is to explore the fundamental concepts, terminology, techniques, and applications of digital imaging as they relate to the development, creation, and display of graphic and fine art works. Students produce digital still images through the single or combined use of computers, digital cameras, scanners, photo editing software, drawing and painting software, graphic tablets, printers, new media, and emerging technologies. Additional content includes the interrelationship between digital arts and other art forms and subjects; legal and ethical responsibilities; cooperative skills; and connections to history, culture, and real-world applications. Journals/sketchbooks contain developing ideas based on the structural elements, research, and notes to support the creative process. Through critiques, students evaluate and respond to their own work and the work of others to measure artistic growth. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

0108380/AAP	DIGITAL ART IMAGING 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Digital Art Imaging 1
Type of Credit:	Performing Fine Arts	

The purpose of this course is to develop and expand concepts, terminology, techniques, and applications for the creative process to design, print, and display original two-dimensional graphic and fine works of art. As students become more adept at using the tools and techniques available to them, they design digital still and/or animated images through the single or combined use of computers, digital cameras, scanners, software (i.e., photo editing, drawing, painting, animation, presentation, etc.), graphic tablets, printers, new media, and emerging technologies. Journals/sketchbooks contain compositional ideas based on the structural elements, research, documentation and notes to support the creative process. Additional content includes the interrelationship between digital arts and other art forms and subjects; legal and ethical responsibilities; cooperative skills; and connections to history, culture, and real-world applications. Through the critique process, students evaluate and respond to their own designs and images and the work of others to measure artistic growth with increasing sophistication. This course incorporates hands-on activities, the use of technology, and consumption of art materials.

0108310/AUB	CREATIVE PHOTOGRAPHY 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

The purpose of this course is to explore the aesthetic foundations of art making using beginning photography techniques and color and/or black and white photography via digital media and/or traditional photography. Students become familiar with the basic mechanics of a camera, including lens and shutter operation, lighting, compositional foundations, printing an image for display, and evaluating a successful print. Student photographers may use a variety of media and materials, such as 35mm black and white film, single lens reflex camera, digital camera, darkroom, computer application, filters, various papers, digital output, photogram, cyanotypes, Sabatier effect, and pinhole photography. Craftsmanship and quality are reflected in the surface of the prints and the care of the materials. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. Cultural and historical connections will be covered, as well as career and real-world applications, copyright law, safety, and ethical issues. This course incorporates journaling, hands-on activities, photographic resources, and consumption of art materials.

0108320/AUC	CREATIVE PHOTOGRAPHY 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Creative Photography 1
Type of Credit:	Performing Fine Arts	

The purpose of this course is to experiment with a variety of photographic media and techniques, and make connections with historical and contemporary photographers to develop a focused body of work. This course may include, but is not limited to, researching the history of photography, making connections to contemporary and community photographers, critiquing with varied techniques, and experimenting with a variety of photographic media. Processes and techniques include, but are not limited to, handcrafted pinhole cameras, hand-tinted photographs, mixed media, cyanotypes, medium format, photo collage, cross-processing, creative filters, infrared and slide film, night photography, macro, panoramic, and/or digital output via a variety of media. Journals/sketchbooks contain compositional ideas based on the structural elements, research, process documentation and notes to support the creative process. Craftsmanship and quality are reflected in the surface of the print, care of the materials, attention to compositional conventions, and expression of ideas and viewpoints. Photographers use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. Cultural and historical connections will be covered in technical and aesthetic terms, as well as career and real-world applications, copyright law, safety, and ethical issues. This course incorporates hands-on activities, photographic resources, and consumption of art materials.

THREE-DIMENSIONAL ART COURSES:

0101365/AAR	CREATING THREE-DIMENSIONAL ART	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

The purpose of this course is to investigate a wide range of media and techniques, from both a historical and contemporary perspective, as students engage in the art-making processes of creating 3-D artworks, which may include sculpture, assemblage, and/or ceramics. Student artists reflect on their own artwork and that of others through critical analysis to achieve artistic goals related to craftsmanship, technique, and application of 21st-century skills. This course incorporates hands-on activities and consumption of art materials.

0101330/AND	THREE-DIMENSIONAL STUDIO ART 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

The purpose of this course is to explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instruction may include, but is not limited to, content in green or industrial design, sculpture, ceramics, or building arts. Media may include, but are not limited to, clay, wood, plaster, and paper maché with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) using positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. Students in the 3-D art studio focus on use of safety procedures for process, media, and techniques and use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. Cultural and historical connections will be covered, as well as career and real-world applications. This course incorporates hands-on activities, journaling, and consumption of art materials.

0101340/ANE	THREE-DIMENSIONAL STUDIO ART 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Three-Dimensional Studio
	Type of Credit:	Art 1 Performing Fine Arts

The purpose of this course is to explore spatial relationships using nonobjective, abstract, or representational forms, products, or structures. Instruction may include, but is not limited to, content in green or industrial design, sculpture, ceramics, and/or building arts. Media may include, but are not limited to, clay, wood, metal, plaster, paper maché, and plastic with consideration of the workability, durability, cost, and toxicity of the media used. 3-D artists experiment with and manipulate space-producing devices, including overlapping, transparency, interpenetration, vertical and horizontal axis, inclined planes, disproportionate scale, fractional or abstracted representation, and spatial properties of the structural art elements. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art form. Students in the 3-D art studio focus on the use of safety procedures for process, media, and techniques and use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. Cultural and historical connections will be covered, as well as career and real-world applications. This course incorporates hands-on activities, journaling, and consumption of art materials.

0102300/AOA	CERAMICS/POTTERY 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

Students explore how space, mass, balance, and form combine to create aesthetic forms or utilitarian products and structures. Instructional focus will be on ceramics and/or pottery. Media may include, but are not limited to, clay and/or plaster, with consideration of the workability, durability, cost, and toxicity of the media used. Student artists consider the relationship of scale (i.e., hand-held, human, monumental) using positive and negative space or voids, volume, visual weight, and gravity to create low/high relief or freestanding structures for personal intentions or public places. They explore sharp and diminishing detail, size, position, overlapping, visual pattern, texture, implied line, space, and plasticity, reflecting craftsmanship and quality in the surface and structural qualities of the completed art forms. Students in the ceramics and/or pottery art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities, journaling, and consumption of art materials.

0102310/AOB	CERAMICS/POTTERY 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Ceramics/Pottery 1
	Type of Credit:	Performing Fine Arts

Students explore spatial relationships using nonobjective, abstract, or representational forms, products, or structures. Instructional focus should be on ceramics and/or pottery. Processes and techniques for substitution may include, but are not limited to, wheel-thrown clay, glaze formulation and application. Media may include, but are not limited to, clay and/or plaster with consideration of the workability, durability, cost, and toxicity of the media used. Ceramic and/or pottery artists experiment with and manipulate space-producing devices, including overlapping, transparency, interpenetration, vertical and horizontal axis, inclined planes, disproportionate scale, fractional or abstracted representation, and spatial properties of the structural art elements. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the ceramics and/or pottery art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. This course incorporates hands-on activities, journaling, and consumption of art materials.

0102320/AOC	CERAMICS/POTTERY 3 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Ceramics/Pottery 2/Teacher
Type of Credit:	Recommendation Performing Fine Arts	

Students communicate a sense of 4-D, motion, and/or time, based on creative use of spatial relationships and innovative treatment of space and its components. Instruction may include content in ceramics, pottery, or other related media. Students address 4-D, the inter-relatedness of art and context, and may also include installation or collaborative works, virtual realities, light as a medium (i.e., natural, artificial, or reflective), or flexible, entered, or activated space. Other concepts for exploration include tension, compression or expansion, intrusions or extrusions, grouping, proximity, containment, closure, contradiction, and continuity. Ceramic and/or pottery artists experiment with processes, techniques, and media, which may include, but are not limited to, casting and kiln-firing techniques, and mold making. Craftsmanship and quality are reflected in the surface and structural qualities of the completed art forms. Students in the ceramics and/or pottery art studio focus on use of safety procedures for process, media, and techniques. Student artists use an art criticism process to evaluate, explain, and measure artistic growth in personal or group works. Participation in the Annual AP/Honors Art Exhibit, with artist statement, is an expectation of the course. This course incorporates hands-on activities, journaling, and consumption of art materials.

ADVANCED ART COURSES:

0109310/AVB	PORTFOLIO DEVELOPMENT: DRAWING HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Art Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to work in a self-directed environment toward the development of a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in, but are not limited to, content in drawing, painting, printmaking, and/or mixed media that emphasizes line quality, rendering of form, composition, surface manipulation, and/or illusion of depth. Students regularly reflect on aesthetics and art issues individually and in a group, and focus on expressive content that is progressively more innovative and representative of artistic and cognitive growth. In keeping with the rigor expected in an accelerated setting, students' portfolios show personal vision, artistic growth over time, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem-solving abilities related to structural, historical, and cultural knowledge. Students are self-directed and display readiness for high levels of critical thinking, research, conceptual thinking, and creative risk-taking. Participation in the Annual AP/Honors Art Exhibit, with artist statement, is an expectation of the course. This course incorporates hands-on activities and consumption of art materials.

0109320/AVC	PORTFOLIO DEVELOPMENT: TWO-DIMENSIONAL DESIGN HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Art Teacher
	Type of Credit:	Recommendation Performing Fine Arts

The purpose of this course is to work in a self-directed environment toward the development of a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in, but are not limited to, content in drawing, painting, printmaking, mixed media, traditional photography, digital photography, and/or new media and emerging technologies that demonstrate understanding of design principles as applied to a 2-dimensional surface. Students regularly reflect on aesthetics and art issues individually and in a group, and manipulate the structural elements of art and organizational principles of design to create 2-dimensional works of art that are progressively more innovative and representative of the student's artistic and cognitive growth. In keeping with the rigor expected in an accelerated setting, students' portfolios show personal vision, artistic growth over time, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem-solving abilities based on structural, historical, and cultural knowledge. Students are self-directed and display readiness for high levels of critical thinking, research, conceptual thinking, and creative risk-taking. Participation in the Annual AP/Honors Art Exhibit, with artist statement, is an expectation of the course. This course incorporates hands-on activities and consumption of art materials.

0109330/AVD	PORTFOLIO DEVELOPMENT: THREE-DIMENSIONAL DESIGN HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Art Teacher Recommendation
	Type of Credit:	Performing Fine Arts

The purpose of this course is to work in a self-directed environment toward the development of a portfolio showing a body of their own work that visually explores a particular artistic concern, articulated and supported by a written artist's statement. Artists may work in, but are not limited to, content in clay, wood, wire, glass, metal, jewelry, fabrics/fibers, fashion design, green design, industrial design, and/or objects for interior design or architecture that integrate 3-dimensional design issues in a purposeful way. Students regularly reflect on aesthetics and art issues individually and as a group, and manipulate the structural elements of art and organizational principles of design to create 3-dimensional works of art that are progressively more innovative and representative of the student's artistic and cognitive growth. In keeping with the rigor expected in an accelerated setting, students' portfolios show personal vision and artistic growth over time, mastery of visual art skills and techniques, and evidence of sophisticated analytical and problem-solving skills based on their structural, historical, and cultural knowledge. Students are self-directed and display readiness for high levels of critical thinking, research, conceptual thinking, and creative risk-taking. Participation in the Annual AP/Honors Art Exhibit, with artist statement, is an expectation of the course. This course incorporates hands-on activities and consumption of art materials.

☆ 0104300/AQA	ADVANCED PLACEMENT STUDIO ART: DRAWING PORTFOLIO	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Art Teacher Recommendation
	Type of Credit:	Performing Fine Arts

The purpose of this Advanced Placement course is to give an art student the opportunity to develop quality, concentration and breadth in drawing concepts, skills, and techniques. The content should include, but not be limited to, the experiences in the development of perceptual, conceptual, and technical aspects of drawing, painting and/or printmaking. Preparation of the appropriate number of works, digital documentation and upload to The College Board site for portfolio evaluation, and presentation techniques are required in each of three portfolio sections to be evaluated by The College Board. Research analysis, sketchbook/journal, and aesthetic and historical criticism are required for this in-depth study in non-linear thinking. Participation in the Annual AP/Honors Art Exhibit, with artist statement, is an expectation of the course.

☆0109350/AVG	ADVANCED PLACEMENT STUDIO ART: 2-D DESIGN PORTFOLIO	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Art Teacher
	Type of Credit:	Recommendation Performing Fine Arts

The purpose of this Advanced Placement course is to give advanced students the opportunity to develop quality, concentration and breadth in a very broad interpretation of two-dimensional (2-D) design issues. This type of visual communication involves purposeful decision-making about how to use the elements and principles of art in skillful and integrative ways. Preparation of the appropriate number of works, digital documentation, and upload to The College Board site for portfolio evaluation, and presentation techniques are required in each of three portfolio sections to be evaluated by The College Board. Participation in the Annual AP/Honors Art Exhibit, with artist statement, is an expectation of the course.

☆0109360/AVH	ADVANCED PLACEMENT STUDIO ART: 3-D DESIGN PORTFOLIO	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Art Teacher Recommendation
	Type of Credit:	Performing Fine Arts

The purpose of this Advanced Placement course is to give an art student the opportunity to develop quality, concentration and breadth in the three-dimensional (3-D) design portfolio. The content should include, but not be limited to, the experiences in the development of perceptual, conceptual and technical aspects of additive, subtractive, and/or fabrication process when creating sculptural or ceramic forms. Preparation of the appropriate number of works, digital documentation and upload to The College Board site for portfolio evaluation, and presentation techniques are required in each of three portfolio sections to be evaluated by The College Board. Research analysis, sketchbook/journal, and aesthetic and historical criticism are required for this in-depth study in non-linear thinking. Participation in the Annual AP/Honors Art Exhibit, with artist statement, is an expectation of the course.

COMPUTER EDUCATION

☆0200320/BMC	ADVANCED PLACEMENT COMPUTER SCIENCE A	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Computer Programming 1
	Type of Credit:	Elective

This course places emphasis on structured and logical design of computer programs. Topics include design and implementation of algorithms that lead to computer programs for solution of problems in areas such as controls, file manipulation, and applications of data structures.

☆0200335/BMD	ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	
	Type of Credit:	Elective

In this course students will develop computational thinking and using computational tools to analyze and study data and working with large data sets to analyze, visualize, and draw conclusions from trends. This course encourages application of the creative processes when developing computational artifacts and to think creatively while using computer software and other technology to explore questions that interest them. Students will also develop effective communication and collaboration skills, working individually and collaboratively to solve problems, and discussing and writing about the importance of these problems and the impacts to their community, society, and the world.

DANCE

0300305/CNF	INTRODUCTION TO DANCE	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0.5
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

Students in these semester-long, entry-level courses, designed for those having no prior dance instruction, learn introductory information regarding:

1. the role of dance(s) in history and culture;
2. a variety of dance styles, which may include modern, ballet, jazz, folk, tap, hip-hop and various world dance styles; and,
3. the body, major bone and muscle groups, how they function in dance movements, and the importance of proper health and nutrition.

Students will apply requisite knowledge via exploration and performance of various styles. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside of the school day to support, extend and assess learning in the classroom. Students in this class may need to obtain (e.g., borrow, purchase) appropriate footwear and/or dance attire from an outside source.

0300310/CNA	DANCE TECHNIQUES 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

This is a beginning dance course. Students will learn and perform basic dance steps and techniques in two or more dance styles, to be chosen from ballet, lyrical, jazz, theater, modern, or tap. Students will also learn dance terminology, choreography, and simple dance sequences.

0300320/CNB	DANCE TECHNIQUES 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Dance Tech 1/Teacher
	Type of Credit:	Recommendation Performing Fine Arts

This is the continuation of Dance Technique 1. Students will learn and perform additional steps and techniques in two or more dance styles as listed above. Students will also learn additional terminology, basic choreography, and dance criticism. Participation in one aspect of a public performance will be required.

☆ 0300330/CNC	DANCE TECHNIQUES 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Dance Tech 2/Teacher Recommendation
	Type of Credit:	Performing Fine Arts

This is an intermediate level dance course. Students will learn additional dance terminology, techniques, and dances in three or more dance styles as listed in Dance Tech 1. Students will also learn how to critique dances. Participation in at least one aspect of a public performance will be part of the requirements of this course.

☆ 0300334/CRK	DANCE TECHNIQUES 4 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher recommendation/Contract
	Type of Credit:	Required Performing Fine Arts

This course provides large group instruction and performance experiences in standard dance techniques. Major emphasis of study will focus on continuing skill development, conceptual understanding and aesthetic appreciation needed to perform selected choreography. Activities will include recital, civic performances, etc. As an honors course, the focus will be on cooperative learning as well as individualized instruction, student leadership, a written comprehensive examination and dance skills evaluation through ensemble performance, individual solo performance, choreography experiences, and written critiques.

0300380/CPA	DANCE CHOREOGRAPHY	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Dance Tech 3/Teacher Recommendation
	Type of Credit:	Performing Fine Arts

This course is designed for the advanced dancer and will concentrate on performance and student choreography. In addition to the techniques of spatial relationships, choreography, the elements of music, and improvisation, students will study lighting, costuming, and make-up.

☆0300390/CPB	DANCE CHOREOGRAPHY 2 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Dance Choreography/Performance 1
	Type of Credit:	Performing Fine Arts

This course will provide advanced dancers with opportunities to increase and expand upon their knowledge of performance and choreographic process. Students will be challenged to critique dances, conduct research within the field of dance, perform all aspects of dance production, and improve upon already advanced technique in a variety of dance forms.

DRAMA/THEATRE

0400300/CRA	INTRODUCTION TO DRAMA	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

In this course students explore various performance, technical, and administrative aspects of theatre. Students learn about basic characterization through physical activity, reading selected theatre literature, reading and writing theatrical reviews, and analysis of such tools as scripts, costuming, and theatrical makeup. Public performances may serve as a resource for specific instructional goals. Students may be expected to attend one or more performances outside the school day to support, extend, and assess learning in the classroom.

0400310/CRB	THEATRE 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

This course provides experiences in the study and practice of theatre arts and literature. Students will be introduced to the fundamentals of theatre production which includes scenery construction, costuming, lighting, make-up, and the fundamentals of acting.

0400320/CRC	THEATRE 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Theatre 1/Teacher Recommendation
	Type of Credit:	Performing Fine Arts

This course provides intermediate development of skills useful to the study and practice of theatre arts. The content includes instruction in reading and interpretation of dramatic literature, with an emphasis on the techniques and mechanics of acting, set, costume and lighting design (stagecraft), character analysis and portrayal; interpretive and analytical study of plays; and production of plays and dramatic presentations.

☆0400330/CRD	THEATRE 3 HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Theatre 2/Teacher Recommendation
	Type of Credit:	Performing Fine Arts

This course provides opportunities for drama students to continue study in acting and production techniques. The content includes instruction in specific acting techniques and various dramatic presentations emphasizing acting theories, the practice and theory of set design, make-up, lighting, properties, and directing.

☆0400340/CRE	THEATRE 4 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Contract
	Type of Credit:	Required Performing Fine Arts

This course provides group instruction and performance experiences in acting and stage production. Major emphasis of study focuses on continuing development of acting skills, conceptual understanding, and aesthetic appreciation. Activities include play production, evaluation festivals, critical analysis and original work. As an honors course, the focus is on cooperative learning as well as individualized instruction, student leadership, a written comprehensive examination and evaluation of dramatic skills through ensemble performance, individual solo performance, directing experiences, and written critiques.

0400410/CTI	TECHNICAL THEATRE DESIGN AND PRODUCTION 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

This course introduces students to the fundamentals and technical aspects of theatre production, inclusive of set design and construction; developing properties, lighting design and execution and sound design.

0400420/CTJ	TECHNICAL THEATRE DESIGN AND PRODUCTION 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Technical Theatre Design and Production
	Type of Credit:	1 Performing Fine Arts

The purpose of this course is to enable students to develop fundamental skills in technical theatre design and production and apply them through practical experiences. The content should include, but not be limited to safety issues and regulations; theatre terminology; elements of technical theatre; trends in technical design; relationship between script and directorial concepts; properties, costumes, and make-up; lighting and sound; artistic discipline; careers; connections between stagecraft and other subject areas. *

0400430/CTK	TECHNICAL THEATRE DESIGN AND PRODUCTION 3	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Technical Theatre Design and Production 2
	Type of Credit:	Performing Fine Arts

The purpose of this course is to enable students to develop fundamental skills in technical theatre design and production and apply them through practical experiences. The content should include, but not be limited to safety issues and regulations; theatre terminology; elements of technical theatre; trends in technical design; relationship between script and directorial concepts; properties, costumes, and make-up; lighting and sound; artistic discipline; careers; connections between stagecraft and other subject areas. *

☆ 0400440/CTL	TECHNICAL THEATRE DESIGN AND PRODUCTION 4 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Technical Theatre Design and Production 3
	Type of Credit:	Performing Fine Arts

The purpose of this course is to enable students to develop fundamental skills in technical theatre design and production and apply them through practical experiences. The content should include, but not be limited to safety issues and regulations; theatre terminology; elements of technical theatre; trends in technical design; relationship between script and directorial concepts; properties, costumes, and make-up; lighting and sound; artistic discipline; careers; connections between stagecraft and other subject areas. *

**For each consecutive year of study (Technical Theatre Design and Production 2-4), the same description is used, with more advanced applications and techniques.*

0400660/CVQ	THEATRE, CINEMA, AND FILM PRODUCTION	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

This course will focus on the analysis and appreciation of films and will provide students with the skills to understand to interpret the various forms of the moving image. The aim is to substitute active viewing for passive absorption, and to offer students a context and a set of tools with which to assess the media presentations that shape the world we all inhabit. Students will learn motion picture production, storytelling techniques, the history of film, the importance of film in our society, and filmmakers' responsibilities regarding production essentials, copyright laws, ethical behavior, self-discipline and safety. Students will study classic films and important filmmakers.

0400700/CRF	MUSICAL THEATRE 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
	Type of Credit:	Performing Fine Arts

Students' course work focuses on, but is not limited to, acting, vocal performance, dance, non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from ancient Greece to modern Broadway through a humanities approach and representative literature. Music theatre students explore the unique staging and technical demands of musicals in contrast to non-musical plays. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

0400710/CRH	MUSICAL THEATRE 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher
	Type of Credit:	Recommendation Performing Fine Arts

Students' course work focuses on, but is not limited to, acting, vocal performance, dance, non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from ancient Greece to modern Broadway through a humanities approach and representative literature. Music theatre students explore the unique staging and technical demands of musicals in contrast to non-musical plays. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

0400720/CRJ	MUSICAL THEATRE 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Audition and Acceptance into the Music Theatre Institute Program
	Type of Credit:	Performing Fine Arts

Students' course work focuses on, but is not limited to, acting, vocal performance, dance, non-dance movement, and staging, which transfer readily to performances in musicals and other venues. Students survey the evolution of music in theatre from ancient Greece to modern Broadway through a humanities approach and representative literature. Music theatre students explore the unique staging and technical demands of musicals in contrast to non-musical plays. Public performances may serve as a culmination of specific instructional goals. Students may be required to attend and/or participate in rehearsals and performances outside the school day to support, extend, and assess learning in the classroom.

ENGLISH

1001310/GNB	ENGLISH 1	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	English/Language Arts	

Students will integrate language arts study in reading, writing, speaking, listening, language, and literature in preparation for college and career readiness. The content should include, but not be limited to, the following: constructing meaning and analyzing and evaluating the logic and rhetorical strategies used in a variety of grade-level print and digital informational texts; reading and analyzing grade-level print and digital literary texts that represent a variety of genres across cultures and historical periods; using recursive process writing strategies to craft various forms of writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context; listening purposefully to a variety of speakers and messages in both formal and informal contexts; speaking with clarity for a variety of purposes, audiences, and contexts, including formal and informal modes of discourse; understanding and making effective language choices to successfully craft the meaning, style, and tone of oral and written communication at grade-level and/or higher complexity; acquiring an extensive vocabulary through reading, discussion, listening, and directed word study, as well as an understanding of the ways that historical events, culture, and setting influence language; employing a detailed inquiry-based research process, and selecting and using information and communication technologies (ICT) effectively.

☆1001320/GNC	ENGLISH 1 HONORS	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
	Type of Credit:	English/Language Arts

Students will integrate language arts study in reading, writing, speaking, listening, language, and literature in preparation for college and career readiness. The content should include, but not be limited to, the following: constructing meaning and analyzing and evaluating the logic and rhetorical strategies used in a variety of grade-level print and digital informational texts; reading and analyzing grade-level print and digital literary texts that represent a variety of genres across cultures and historical periods; using recursive process writing strategies to craft various forms of writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context; listening purposefully to a variety of speakers and messages in both formal and informal contexts; speaking with clarity for a variety of purposes, audiences, and contexts, including formal and informal modes of discourse; understanding and making effective language choices to successfully craft the meaning, style, and tone of oral and written communication at grade-level and/or higher complexity; acquiring an extensive vocabulary through reading, discussion, listening, and directed word study, as well as an understanding of the ways that historical events, culture, and setting influence language; employing a detailed inquiry-based research process, and selecting and using information and communication technologies (ICT) effectively.

Special Note: As students' progress from one grade-level course to the next, increases should occur in the complexity of materials and tasks and in the students' independence in their application and use. Scaffolded learning opportunities are to be provided for students to develop and apply the critical skills of discourse analysis, synthesis, and evaluation

Honors/Advanced: The district shall develop a description of additional requirements and more rigorous expectations, along with a description of higher text complexity to be used for honors-level achievement and learning.

1001340/GNE	ENGLISH 2	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 1
Type of Credit:	English/Language Arts	

Students will integrate language arts study in reading, writing, speaking, listening, language, and literature in preparation for college and career readiness. The content should include, but not be limited to, the following: constructing meaning and analyzing and evaluating the logic and rhetorical strategies used in a variety of grade-level print and digital informational texts; reading and analyzing grade-level print and digital literary texts that represent a variety of genres across cultures and historical periods; using recursive process writing strategies to craft various forms of writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context; listening purposefully to a variety of speakers and messages in both formal and informal contexts; speaking with clarity for a variety of purposes, audiences, and contexts, including formal and informal modes of discourse; understanding and making effective language choices to successfully craft the meaning, style, and tone of oral and written communication at grade-level and/or higher complexity; acquiring an extensive vocabulary through reading, discussion, listening, and directed word study, as well as an understanding of the ways that historical events, culture, and setting influence language; employing a detailed inquiry-based research process, and selecting and using information and communication technologies (ICT) effectively.

☆ 1001350/GNF	ENGLISH 2 HONORS	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 1/English Honors 1/Teacher Recommendation
Type of Credit:	English/Language Arts	

Students will integrate language arts study in reading, writing, speaking, listening, language, and literature in preparation for college and career readiness. The content should include, but not be limited to, the following: constructing meaning and analyzing and evaluating the logic and rhetorical strategies used in a variety of grade-level print and digital informational texts; reading and analyzing grade-level print and digital literary texts that represent a variety of genres across cultures and historical periods; using recursive process writing strategies to craft various forms of writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context; listening purposefully to a variety of speakers and messages in both formal and informal contexts; speaking with clarity for a variety of purposes, audiences, and contexts, including formal and informal modes of discourse; understanding and making effective language choices to successfully craft the meaning, style, and tone of oral and written communication at grade-level and/or higher complexity; acquiring an extensive vocabulary through reading, discussion, listening, and directed word study, as well as an understanding of the ways that historical events, culture, and setting influence language; employing a detailed inquiry-based research process, and selecting and using information and communication technologies (ICT) effectively.

Special Note: As students' progress from one grade-level course to the next, increases should occur in the complexity of materials and tasks and in the students' independence in their application and use. Scaffolded learning opportunities are to be provided for students to develop and apply the critical skills of discourse analysis, synthesis, and evaluation

Honors/Advanced: The district shall develop a description of additional requirements and more rigorous expectations, along with a description of higher text complexity to be used for honors-level achievement and learning.

1001370/GNH	ENGLISH 3	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 2
	Type of Credit:	English/Language Arts

Students will integrate language arts study in reading, writing, speaking, listening, language, and literature in preparation for college and career readiness. The content should include, but not be limited to, the following: constructing meaning and analyzing and evaluating the logic and rhetorical strategies used in a variety of grade-level print and digital informational texts; reading and analyzing grade-level print and digital literary texts that represent a variety of genres across cultures and historical periods; using recursive process writing strategies to craft various forms of writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context; listening purposefully to a variety of speakers and messages in both formal and informal contexts; speaking with clarity for a variety of purposes, audiences, and contexts, including formal and informal modes of discourse; understanding and making effective language choices to successfully craft the meaning, style, and tone of oral and written communication at grade-level and/or higher complexity; acquiring an extensive vocabulary through reading, discussion, listening, and directed word study, as well as an understanding of the ways that historical events, culture, and setting influence language; employing a detailed inquiry-based research process, and selecting and using information and communication technologies (ICT) effectively.

☆ 1001380/GNI	ENGLISH 3 HONORS	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 2/English Honors 2/Teacher Recommendation
	Type of Credit:	English/Language Arts

Students will integrate language arts study in reading, writing, speaking, listening, language, and literature in preparation for college and career readiness. The content should include, but not be limited to, the following: constructing meaning and analyzing and evaluating the logic and rhetorical strategies used in a variety of grade-level print and digital informational texts; reading and analyzing grade-level print and digital literary texts that represent a variety of genres across cultures and historical periods; using recursive process writing strategies to craft various forms of writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context; listening purposefully to a variety of speakers and messages in both formal and informal contexts; speaking with clarity for a variety of purposes, audiences, and contexts, including formal and informal modes of discourse; understanding and making effective language choices to successfully craft the meaning, style, and tone of oral and written communication at grade-level and/or higher complexity; acquiring an extensive vocabulary through reading, discussion, listening, and directed word study, as well as an understanding of the ways that historical events, culture, and setting influence language; employing a detailed inquiry-based research process, and selecting and using information and communication technologies (ICT) effectively.

Special Note: As students' progress from one grade-level course to the next, increases should occur in the complexity of materials and tasks and in the students' independence in their application and use. Scaffolded learning opportunities are to be provided for students to develop and apply the critical skills of discourse analysis, synthesis, and evaluation

Honors/Advanced: The district shall develop a description of additional requirements and more rigorous expectations, along with a description of higher text complexity to be used for honors-level achievement and learning.

1001400/GNK	ENGLISH 4	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 3
Type of Credit:	English/Language Arts	

Students will integrate language arts study in reading, writing, speaking, listening, language, and literature in preparation for college and career readiness. The content should include, but not be limited to, the following: constructing meaning and analyzing and evaluating the logic and rhetorical strategies used in a variety of grade-level print and digital informational texts; reading and analyzing grade-level print and digital literary texts that represent a variety of genres across cultures and historical periods; using recursive process writing strategies to craft various forms of writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context; listening purposefully to a variety of speakers and messages in both formal and informal contexts; speaking with clarity for a variety of purposes, audiences, and contexts, including formal and informal modes of discourse; understanding and making effective language choices to successfully craft the meaning, style, and tone of oral and written communication at grade-level and/or higher complexity; acquiring an extensive vocabulary through reading, discussion, listening, and directed word study, as well as an understanding of the ways that historical events, culture, and setting influence language; employing a detailed inquiry-based research process, and selecting and using information and communication technologies (ICT) effectively.

Special Note: As students’ progress from one grade-level course to the next, increases should occur in the complexity of materials and tasks and in the students’ independence in their application and use. Scaffolded learning opportunities are to be provided for students to develop and apply the critical skills of discourse analysis, synthesis, and evaluation.

1001405/GNO	ENGLISH 4: FLORIDA COLLEGE PREP	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 3 or English 3
Type of Credit:	Honors/Teacher Recommendation English/Language Arts	

Students will incorporate reading and writing study through writing a variety of informative texts using grade-level writing craft and through the in-depth reading and analysis of informational selections in order to develop critical reading and writing skills necessary for success in college courses. This course prepares students for successful completion of Florida college English courses. The benchmarks reflect the Florida Postsecondary Readiness Competencies necessary for entry-level college courses and are also related to the College and Career Readiness (CCR) anchor standards, the exit standards for Language Arts Florida Standards.

The content should include, but not be limited to, the following: demonstrating successful reading of argument, including recognizing bias and supporting details; demonstrating successful reading of fact and opinion, including recognizing inferences and main ideas; demonstrating knowledge of a variety of organizational patterns and their relationships in the comprehension of text, including recognizing purpose and tone of informational reading; demonstrating successful understanding of vocabulary in context and through writing effective sentence structures; effectively implementing patterns of paragraph development; recognizing and solving common sentence development problems; reading and modeling mentor essays; and understanding and using language, grammar, and mechanics effectively. Students in this course have generally scored an ELA FSA – Level 3.

☆1001410/GNL	ENGLISH 4 HONORS	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 3 or English Honors 3 or Teacher
Type of Credit:	Recommendation English/Language Arts	

Students will integrate language arts study in reading, writing, speaking, listening, language, and literature in preparation for college and career readiness. The content should include, but not be limited to, the following: constructing meaning and analyzing and evaluating the logic and rhetorical strategies used in a variety of grade-level print and digital informational texts; reading and analyzing grade-level print and digital literary texts that represent a variety of genres across cultures and historical periods; using recursive process writing strategies to craft various forms of writing expressing ideas with maturity and complexity appropriate to writer, audience, purpose, and context; listening purposefully to a variety of speakers and messages in both formal and informal contexts; speaking with clarity for a variety of purposes, audiences, and contexts, including formal and informal modes of discourse; understanding and making effective language choices to successfully craft the meaning, style, and tone of oral and written communication at grade-level and/or higher complexity; acquiring an extensive vocabulary through reading, discussion, listening, and directed word study, as well as an understanding of the ways that historical events, culture, and setting influence language; employing a detailed inquiry-based research process, and selecting and using information and communication technologies (ICT) effectively.

Special Note: As students’ progress from one grade-level course to the next, increases should occur in the complexity of materials and tasks and in the students’ independence in their application and use. Scaffolded learning opportunities are to be provided for students to develop and apply the critical skills of discourse analysis, synthesis, and evaluation.

Honors/Advanced: The district shall develop a description of additional requirements and more rigorous expectations, along with a description of higher text complexity to be used for honors-level achievement and learning.

☆1001420/GNM	ADVANCED PLACEMENT LANGUAGE AND COMPOSITION	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 2 Honors or Teacher Recommendation
Type of Credit:	English/Language Arts	

The Advanced Placement course in English Language and Composition is a college-level study of language and writing. Students study rhetoric in a variety of genres to analyze how authors use language. The course emphasizes nonfiction and argumentative writing as preparation for taking the national Advanced Placement exam which many colleges use to award college credits. Mature writing skills are necessary for success in this course.

☆1001430/GNN	ADVANCED PLACEMENT ENGLISH LITERATURE AND COMPOSITION	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 3 Honors or Teacher Recommendation
Type of Credit:	English/Language Arts	

The Advanced Placement course in English Literature and Composition is a college-level study of literature and writing. Students learn how to use the modes of discourse and to recognize assumptions underlying various rhetorical strategies. Through reading, discussion, writing, and listening, students engage literary texts through the resources of language, including literary devices. This course prepares students to take the national Advanced Placement exam which many colleges use to award college credits.

MEDIA AND ORAL COMMUNICATIONS

1006300/GSA	JOURNALISM 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

This course provides instruction in basic aspects of journalism and workshop experiences in journalistic production. The content will include instruction in recognizing and writing news for journalistic media and in developing editorials, sports articles, and feature stories. In addition to written work, students will receive instruction in the history and traditions of journalism as well as workshop experiences in photography, layouts, advertising, printing, and other practical aspects of journalistic enterprise. In connection with workshop experiences, one or more student journalistic productions may be included.

1006310/GSB	JOURNALISM 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Journalism 1
	Type of Credit:	Elective

The content will include training necessary for successful news gathering for journalistic media. Students will receive frequent practice in gathering information and in writing news, sports, feature articles, and editorials. Through various media, students will explore career opportunities in journalistic fields. This course includes practice in the preparation of materials for publication in journalistic media.

1006320/GSC	JOURNALISM 3	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Journalism 2/Teacher Recommendation
	Type of Credit:	Elective

This course will include instruction and practice in applying all aspects of the writing process including prewriting, drafting, editing and proofreading to the work prepared in order to bring it to high journalistic standards. Organization and management techniques relating to journalistic productions will be stressed, including leadership skills, record keeping, time management, utilization of personnel, and task organization. Workshop experiences in producing various kinds of journalism will be provided.

1006330/GSD	JOURNALISM 4	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Journalism 3/Teacher Recommendation
	Type of Credit:	Elective

This course includes instruction in writing, designing, and managing journalistic enterprises. The emphasis in the course will be upon implementing students' creative skills and talents in writing, graphic design and/or photography, and in providing regular practice in management skills and production techniques in printed journalistic media. The course will provide opportunities to develop proficiency in various forms of journalistic writing using the production of one or more student journalism projects.

1007300/GUA	SPEECH 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

This course provides instruction in the fundamentals of formal and informal oral communication. Major instructional areas will include forms of oral communication, techniques of group discussion, techniques of effective listening, analysis of the audience, and techniques of public speaking.

1007310/GUB	SPEECH 2	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Speech 1
Type of Credit:	Performing Fine Arts	

This course is a continuation of Speech 1. It will provide instruction in the fundamentals of formal and informal oral communications. Instructional areas will include formal speeches, formal class discussion, debate activities, and utilizing oral interpretation skills.

ENGLISH FOR SPEAKERS OF OTHER LANGUAGES (ESOL)

1002300/GPA	ENGLISH 1 THROUGH ESOL	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	Limited English
	Type of Credit:	Proficiency English

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness.

General Notes:

The content should include, but not be limited to, the following:

- active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn
- analysis of literature and informational texts from varied literary periods to examine:
 - text craft and structure
 - elements of literature
 - arguments and claims supported by textual evidence
 - power and impact of language
 - influence of history, culture, and setting on language
 - personal critical and aesthetic response
- writing for varied purposes
 - developing and supporting argumentative claims
 - crafting coherent, supported informative/expository texts
 - responding to literature for personal and analytical purposes
 - writing narratives to develop real or imagined events
 - writing to sources using text-based evidence and reasoning
- effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions
- collaboration amongst peers

Special Notes:

Instructional Practices: Teaching from well-written, grade-level instructional materials enhance students' content area knowledge and also strengthens their ability to comprehend longer, complex reading passages on any topic for any purpose. Using the following instructional practices also helps student learning.

1. Reading assignments from longer text passages, as well as shorter ones when text is extremely complex.
2. Making close reading and rereading of texts central to lessons.
3. Asking high-level, text-specific questions and requiring high-level, complex tasks and assignments.
4. Requiring students to support answers with evidence from the text.
5. Providing extensive text-based research and writing opportunities (claims and evidence).

English Language Development ELD Standards Special Notes Section:

Teachers are required to provide listening, speaking, reading and writing instruction that allows English language learners (ELL) to communicate information, ideas and concepts for academic success in the content area of Language Arts. For the given level of English language proficiency and with visual, graphic, or interactive support, students will interact with grade level words, expressions, sentences and discourse to process or produce language necessary for academic success. The ELD standard should specify a relevant content area concept or topic of study chosen by curriculum developers and teachers which maximizes an ELL's need for communication and social skills. To access an ELL supporting document which delineates performance definitions and descriptors, please click on the following link:

<http://www.cpalms.org/uploads/docs/standards/eld/la.pdf>

1002310/GPB	ENGLISH 2 THROUGH ESOL	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Limited English
	Type of Credit:	Proficiency English

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness.

General Notes:

The content should include, but not be limited to, the following:

- active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn
- analysis of literature and informational texts from varied literary periods to examine:
 - text craft and structure
 - elements of literature
 - arguments and claims supported by textual evidence
 - power and impact of language
 - influence of history, culture, and setting on language
 - personal critical and aesthetic response
- writing for varied purposes
 - developing and supporting argumentative claims
 - crafting coherent, supported informative/expository texts
 - responding to literature for personal and analytical purposes
 - writing narratives to develop real or imagined events
 - writing to sources using text-based evidence and reasoning
- effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions
- collaboration amongst peers

Special Notes:

Instructional Practices: Teaching from well-written, grade-level instructional materials enhance students’ content area knowledge and also strengthens their ability to comprehend longer, complex reading passages on any topic for any purpose. Using the following instructional practices also helps student learning.

1. Reading assignments from longer text passages, as well as shorter ones when text is extremely complex.
2. Making close reading and rereading of texts central to lessons.
3. Asking high-level, text-specific questions and requiring high-level, complex tasks and assignments.
4. Requiring students to support answers with evidence from the text.
5. Providing extensive text-based research and writing opportunities (claims and evidence).

English Language Development ELD Standards Special Notes Section:

Teachers are required to provide listening, speaking, reading and writing instruction that allows English language learners (ELL) to communicate information, ideas and concepts for academic success in the content area of Language Arts. For the given level of English language proficiency and with visual, graphic, or interactive support, students will interact with grade level words, expressions, sentences and discourse to process or produce language necessary for academic success. The ELD standard should specify a relevant content area concept or topic of study chosen by curriculum developers and teachers which maximizes an ELL’s need for communication and social skills. To access an ELL supporting document which delineates performance definitions and descriptors, please click on the following link:

<http://www.cpalms.org/uploads/docs/standards/eld/la.pdf>

1002320/GPC	ENGLISH 3 THROUGH ESOL	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Limited English
	Type of Credit:	Proficiency English

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness.

General Notes:

The content should include, but not be limited to, the following:

- active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn
- analysis of literature and informational texts from varied literary periods to examine:
 - text craft and structure
 - elements of literature
 - arguments and claims supported by textual evidence
 - power and impact of language
 - influence of history, culture, and setting on language
 - personal critical and aesthetic response
- writing for varied purposes
 - developing and supporting argumentative claims
 - crafting coherent, supported informative/expository texts
 - responding to literature for personal and analytical purposes
 - writing narratives to develop real or imagined events
 - writing to sources using text-based evidence and reasoning
- effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions
- collaboration amongst peers

Special Notes:

Instructional Practices: Teaching from well-written, grade-level instructional materials enhance students’ content area knowledge and also strengthens their ability to comprehend longer, complex reading passages on any topic for any purpose. Using the following instructional practices also helps student learning.

1. Reading assignments from longer text passages, as well as shorter ones when text is extremely complex.
2. Making close reading and rereading of texts central to lessons.
3. Asking high-level, text-specific questions and requiring high-level, complex tasks and assignments.
4. Requiring students to support answers with evidence from the text.
5. Providing extensive text-based research and writing opportunities (claims and evidence).

English Language Development ELD Standards Special Notes Section:

Teachers are required to provide listening, speaking, reading and writing instruction that allows English language learners (ELL) to communicate information, ideas and concepts for academic success in the content area of Language Arts. For the given level of English language proficiency and with visual, graphic, or interactive support, students will interact with grade level words, expressions, sentences and discourse to process or produce language necessary for academic success. The ELD standard should specify a relevant content area concept or topic of study chosen by curriculum developers and teachers which maximizes an ELL’s need for communication and social skills. To access an ELL supporting document which delineates performance definitions and descriptors, please click on the following link:

<http://www.cpalms.org/uploads/docs/standards/eld/la.pdf>

1002520/GPJ	ENGLISH 4 THROUGH ESOL	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Limited English
Type of Credit:	Proficiency English	

The purpose of this course is to enable students who are native speakers of languages other than English to develop proficient listening, speaking, reading, and writing skills in the English language. Emphasis will be on acquisition of integrated English communication skills in a wide range of content and activities using texts of high complexity to ensure college and career preparation and readiness.

General Notes:

The content should include, but not be limited to, the following:

- active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn
- analysis of literature and informational texts from varied literary periods to examine:
 - text craft and structure
 - elements of literature
 - arguments and claims supported by textual evidence
 - power and impact of language
 - influence of history, culture, and setting on language
 - personal critical and aesthetic response
- writing for varied purposes
 - developing and supporting argumentative claims
 - crafting coherent, supported informative/expository texts
 - responding to literature for personal and analytical purposes
 - writing narratives to develop real or imagined events
 - writing to sources using text-based evidence and reasoning
- effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions
- collaboration amongst peers

Special Notes:

Instructional Practices: Teaching from well-written, grade-level instructional materials enhance students’ content area knowledge and also strengthens their ability to comprehend longer, complex reading passages on any topic for any purpose. Using the following instructional practices also helps student learning.

1. Reading assignments from longer text passages, as well as shorter ones when text is extremely complex.
2. Making close reading and rereading of texts central to lessons.
3. Asking high-level, text-specific questions and requiring high-level, complex tasks and assignments.
4. Requiring students to support answers with evidence from the text.
5. Providing extensive text-based research and writing opportunities (claims and evidence).

English Language Development ELD Standards Special Notes Section:

Teachers are required to provide listening, speaking, reading and writing instruction that allows English language learners (ELL) to communicate information, ideas and concepts for academic success in the content area of Language Arts. For the given level of English language proficiency and with visual, graphic, or interactive support, students will interact with grade level words, expressions, sentences and discourse to process or produce language necessary for academic success. The ELD standard should specify a relevant content area concept or topic of study chosen by curriculum developers and teachers which maximizes an ELL’s need for communication and social skills. To access an ELL supporting document which delineates performance definitions and descriptors, please click on the following link:

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1002381/GPD	DEVELOPMENTAL LANGUAGE ARTS THROUGH ESOL - READING	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Limited English
	Type of Credit:	Proficiency Reading

The purpose of this course is to enable students who are native speakers of languages other than English instruction enabling students to accelerate the development of reading and writing skills and to strengthen these skills, so they are able to successfully read, write, and comprehend grade level text independently. Instruction emphasizes reading comprehension and vocabulary through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text.

Important note: Reading and writing courses should not be used in place of English language arts courses; reading and writing courses are intended to be used to supplement further study in English language arts.

General Notes:

The content should include, but not be limited to, the following:

- active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn
- analysis of literature and informational texts from varied literary periods to examine:
 - text craft and structure
 - elements of literature
 - arguments and claims supported by textual evidence
 - power and impact of language
 - influence of history, culture, and setting on language
 - personal critical and aesthetic response
- writing for varied purposes
 - developing and supporting argumentative claims
 - crafting coherent, supported informative/expository texts
 - responding to literature for personal and analytical purposes
 - writing narratives to develop real or imagined events
 - writing to sources using text- based evidence and reasoning
- effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions
- collaboration amongst peers

Special Notes:

Instructional Practices: Teaching from well-written, grade-level instructional materials enhance students’ content area knowledge and also strengthens their ability to comprehend longer, complex reading passages on any topic for any purpose. Using the following instructional practices also helps student learning.

1. Reading assignments from longer text passages, as well as shorter ones when text is extremely complex.
2. Making close reading and rereading of texts central to lessons.
3. Asking high-level, text-specific questions and requiring high-level, complex tasks and assignments.
4. Requiring students to support answers with evidence from the text.
5. Providing extensive text-based research and writing opportunities (claims and evidence).

Additional Notes: Students entering the upper grades who are not reading on grade level have a variety of reading intervention needs. No single program of strategy can be successful in remediating the needs of all students. The reading intervention course should require that students increase the amount and complexity of text they read independently throughout the school year, as these students do not have enough exposure to various text structures and academic vocabulary to develop skills necessary for college and career readiness.

It is necessary to implement a combination of research-based programs and strategies that have been proven successful in accelerating the development of reading skills in older readers. The instructional approaches should meet the needs of each student based on results of individual diagnostic assessments and progress monitoring.

Instruction should be explicit and systematic. It should provide direct explanations (modeling) and systematic practice opportunities (guided instruction), as well as carefully managed cumulative review to ensure mastery.

English Language Development ELD Standards Special Notes Section:

Teachers are required to provide listening, speaking, reading and writing instruction that allows English language learners (ELL) to communicate information, ideas and concepts for academic success in the content area of Language Arts. For the given level of English language proficiency and with visual, graphic, or interactive support, students will interact with grade level words, expressions, sentences and discourse to process or produce language necessary for academic success. The ELD standard should specify a relevant content area concept or topic of study chosen by curriculum developers and teachers which maximizes an ELL's need for communication and social skills. To access an ELL supporting document which delineates performance definitions and descriptors, please click on the following link:
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READING

1000410/GMF	INTENSIVE READING	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Criteria Established by State Reading
Type of Credit:	Plan Elective	

The purpose of this course is to provide instruction that enables students to accelerate the development of reading and writing skills and to strengthen those skills, so they are able to successfully read and write grade level text independently. Instruction emphasizes reading comprehension, writing fluency, and vocabulary study through the use of a variety of literary and informational texts encompassing a broad range of text structures, genres, and levels of complexity. Texts used for instruction focus on a wide range of topics, including content-area information, in order to support students in meeting the knowledge demands of increasingly complex text. Students enrolled in the course will engage in interactive text-based discussion, question generation, and research opportunities. They will write in response to reading and cite evidence when answering text dependent questions orally and in writing. The course provides extensive opportunities for students to collaborate with their peers. Scaffolding is provided as necessary as students engage in reading and writing increasingly complex text and is removed as the reading and writing abilities of students improve over time.

The Intensive courses have been designed for the teacher to select and teach only the appropriate standards corresponding to a student's grade level and/or instructional needs.

WRITING

1009320/GXC	CREATIVE WRITING 1	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

This course develops students' writing and language skills needed for individual expression in literary forms. The content will include instruction in the development and practice of writing a variety of literary works including original poetry, short stories, plays, novels, essays and other nonfiction. The course may also include technical aspects of publishing students' work in a literary publication.

1009330/GXD	CREATIVE WRITING 2	
	Offered:	Grade 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Creative Writing 1
	Type of Credit:	Elective

This course continues development of student's writing style. The content will include a variety of genres; submissions for publication will be encouraged.

1009331/GXE	CREATIVE WRITING 3 HONORS	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Creative Writing 2
	Type of Credit:	Elective

The purpose of the course is to develop writing and language skills needed for individual expression in traditional poetic forms. The content should include, but not be limited to, the following: reading, analyzing and writing Blues, Ballad, Asian, Italian, French forms and traditional forms; technical aspects of entering contests and publishing student work in a literary publication; technical aspects of entering and performing in public readings.

FOREIGN LANGUAGE

0711300/DXA	CHINESE 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	World Language

The purpose of this course is to enable students to begin to acquire proficiency in Chinese through a linguistic, communicative, and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading, and writing skills, and on acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course.

0711310/DXB	CHINESE 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Chinese 1
	Type of Credit:	World Language

The purpose of this course is to reinforce the fundamental skills previously acquired by students of Chinese 1. This course develops increased listening, speaking, reading, and writing skills, as well as cultural awareness. Reading and writing will receive more emphasis, while oral communication remains the primary objective.

☆0711320/DXC	CHINESE 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Chinese 2
	Type of Credit:	World Language

The purpose of this course is to reinforce the fundamental skills previously acquired by students of Chinese 2. This course develops increased listening, speaking, reading, and writing skills, as well as a cultural approach to language learning. There is continued emphasis on the development of listening, speaking, reading, and writing skills.

0701320/DMC	FRENCH 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	World Language

The purpose of this course is to introduce students to the target language and its culture and to develop communicative skills and cross-cultural understanding. Content will include beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing will also be included, as well as the fundamentals of grammar and culture.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

0701330/DMD	FRENCH 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Fren
	Type of Credit:	ch 1 World Language

The purpose of this course is to reinforce the fundamental skills previously acquired by the students. The students will develop increased listening, speaking, reading, and writing skills as well as cultural awareness. Reading and writing receive more emphasis, while oral communication remains the primary objective. This course will continue the cultural survey of French-speaking people.

☆ 0701340/DME	FRENCH 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Fren
	Type of Credit:	ch 2 World Language

The purpose of this course is to master and expand the skills previously acquired by the students. The content will include expansion of vocabulary and conversational skills through discussions based on selected readings. Students' acquisition of grammatical concepts will be strengthened by analyzing reading selections. Contemporary vocabulary will be taught through everyday activities of French-speaking people.

☆ 0701350/DMF	FRENCH 4 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	French 3
	Type of Credit:	World Language

The purpose of this course is to expand the skills previously acquired by the students. The content will include more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There will be additional growth in vocabulary for practical purposes including writing. Reading selections will be varied.

☆ 0701360/DMG	FRENCH 5 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	French 4
	Type of Credit:	World Language

The purpose of this course is to expand the skills previously acquired by the students. The content will include developing communication skills through the presentation of oral reports of literary and cultural topics, current events, and personal experiences. Reading selections should include newspaper and magazine articles, adaptations of short stories and plays, and a survey of French literature. Writing will be enhanced through compositions using correct language structures.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.
Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)*

☆0701370/DMH	FRENCH 6 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	French 5
	Type of Credit:	World Language

The purpose of this course is to expand the skills previously acquired by the students. The content will include reinforcement of the students' ability to communicate and express ideas, feelings and opinions, in oral and written forms; further development of comprehension skills through the study of literary selections; and reading and interpreting works of great French-speaking writers, while developing an understanding of major literary movements.

☆0701380/DMI	AP FRENCH LANGUAGE	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	French 3 or higher/Teacher Recommendation
	Type of Credit:	World Language

The purpose of this course is to develop oral and written fluency in the language. The content will include requirements stated in the Advanced Placement program guidelines.

0702320/DOC	GERMAN 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	World Language

The purpose of this course is to introduce students to the target language and its culture and to develop communicative skills and cross-cultural understanding. The content will include beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing will also be included, as well as the fundamentals of grammar and culture.

0702330/DOD	GERMAN 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	German 1
	Type of Credit:	World Language

This course will reinforce the fundamental skills previously acquired by the students. The content includes listening, speaking, reading, and writing skills as well as cultural awareness; and expansion of the listening and oral skills acquired in German 1. Reading will receive more emphasis, while oral communication remains the primary objective. This course will continue the cultural survey of German speaking people.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

☆0702340/DOE	GERMAN 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	German 2
Type of Credit:	World Language	

The purpose of this course is to master and expand the skills previously acquired by the students. The content will include expansions of vocabulary and conversational skills through discussions based on selected readings. Student's acquisition of grammatical concepts will be strengthened by analyzing reading selections. Contemporary vocabulary will be stressed through activities having to do with the everyday life of German-speaking people.

☆0702350/DOF	GERMAN 4 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	German 3
Type of Credit:	World Language	

The purpose of this course is to expand the skills previously acquired by the students. The content will include more advanced language structures and idiomatic expressions with emphasis on conversational skills. There will be additional growth in vocabulary for practical purposes including writing. Reading selections will be varied.

☆0702380/DOI	ADVANCED PLACEMENT GERMAN LANGUAGE	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	German 3 or higher/Teacher Recommendation
Type of Credit:	World Language	

The purpose of this course is to develop oral and written fluency in the language. The content will include requirements stated in the Advanced Placement Program guidelines.

0705320/DRM	ITALIAN 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	World Language	

The purpose of this course is to introduce students to the target language and its culture and to develop communicative skills and cross-cultural understanding. The content will include beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing will be included, as well as the fundamentals of grammar and culture.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

0705330/DRF	ITALIAN 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Italian 1
Type of Credit:	World Language	

The purpose of this course is to reinforce the fundamental skills previously acquired by the students. This course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. Reading and writing receive more emphasis, while oral communication remains the primary objective. This course will continue the cultural survey of Italian-speaking people.

☆ 0705340/DRG	ITALIAN 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Italian 2
Type of Credit:	World Language	

The purpose of this course is to master and expand the skills previously acquired by the students. The content will include expansion of vocabulary and conversational skills through discussions based on selected readings. Students' acquisition of grammatical concepts will be strengthened by analyzing reading selections. Contemporary vocabulary will be taught through everyday activities of Italian-speaking people.

☆ 0705350/DRH	ITALIAN 4 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Italian 3
Type of Credit:	World Language	

The purpose of this course is to extend the skills previously learned. The content will include more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There will be additional growth in vocabulary for practical purposes including writing. Reading selections will be varied, and the students will be able to discuss, in Italian, historical facts dealing with Italian-speaking countries which include, but are not limited to, differences among Italian-speaking groups, historic figures, literary characters, socio-economic issues, geography, and natural resources.

☆ 0705360/DRI	ITALIAN 5 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Italian 4
Type of Credit:	World Language	

The purpose of this course is to expand the skills previously acquired by the students. The content will include developing communication skills through the presentation of oral reports of literary and cultural topics, current events, and personal experiences. Reading selections should include newspaper and magazine articles, adaptations of short stories and plays, and a survey of Italian literature. Writing will be enhanced through compositions using correct language structures.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

☆0705380/DRK	AP ITALIAN LANGUAGE	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Italian 3 or higher/Teacher
	Type of Credit:	Recommendation World Language

The purpose of this course is to develop oral and written fluency in the language. The content will include requirements stated in the Advanced Placement program guidelines.

0712300/DYA	JAPANESE 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	World Language

The purpose of this course is to introduce students to the target language and its culture and to develop communicative skills and cross-culture understanding. Content will include beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing is also included, as well as the fundamentals of grammar and culture.

0712310/DYB	JAPANESE 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Japanese 1
	Type of Credit:	World Language

The purpose of this course is to reinforce the fundamental skills previously acquired by the students. This course develops increased listening, speaking, reading and writing skills as well as cultural awareness. Reading and writing will receive more emphasis, while oral communication remains the primary objective. This course will continue the cultural survey of countries where the target language is spoken.

☆0712320/DYC	JAPANESE 3 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Japanese 2
	Type of Credit:	World Language

The purpose of this course is to enable students to enhance proficiency in Japanese through a linguistic, communicative, and cultural approach to language learning. There is continued emphasis on the development of listening, speaking, reading, and writing skills and on the acquisition of the fundamentals of applied grammar. Cross-cultural understanding is fostered, and real-life applications are emphasized throughout the course. The content should include, but not be limited to the following: conversational expressions of feeling, ideas, and opinions in Japanese; social interaction patterns within Japanese culture(s); connections between the Japanese language and culture(s) and other disciplines; comprehension of spoken and written Japanese; oral and written presentation of information and ideas, in Japanese, to an audience; Japanese language usage within and beyond the school setting.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

0706300/DSA	LATIN 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	World Language

The purpose of this course is to introduce students to fundamental Latin vocabulary and grammar and to classical culture. The content will include English derivatives and vocabulary based on Latin; basic grammatical structures of Latin; simple short stories for comprehension, including their translation into English; classical heroes and legends, with special attention to classical myths; and selected aspects of life in a Roman family.

0706310/DSB	LATIN 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Latin 1
	Type of Credit:	World Language

The purpose of this course is to provide an intensive study of the Latin language and Roman history and culture. The content will include the grammar and vocabulary necessary for reading and appreciating Latin authors, particularly Caesar's writings. This reading will be designed to increase the students' understanding of sentence structure, English word-origin, and Roman history and customs.

☆ 0706320/DSC	LATIN 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Latin 2
	Type of Credit:	World Language

The purpose of this course is to continue the study of the Latin language and Roman history and culture. The content will include the review and expansion of the essentials of Latin grammar; readings in prose; the study of the Roman civilization through its literature with emphasis on politics, history and mythology; and intensive derivative study to refine the students' English vocabulary.

☆ 0706330/DSD	LATIN 4 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Latin 3
	Type of Credit:	World Language

The purpose of this course is to provide to the advanced Latin student an opportunity to study Latin epic and lyric poetry with the purpose of expanding vocabulary, reinforcing forms and structures, and developing social, literary and critical thinking skills. The content will include a general view of the literature of the Augustan age with emphasis on the study of Vergil and other authors, their lives and works.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

☆0706375/DSE	ADVANCED PLACEMENT LATIN	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Latin 3 or higher/Teacher Recommendation
	Type of Credit:	World Language

This course focuses on the in-depth study of selections from two of the greatest works in Latin literature: Vergil's Aeneid and Caesar's Gallic War. Students are required to prepare and translate the readings and place these texts in a meaningful context, which helps develop critical, historical, and literary sensitivities. Themes in the context of ancient literature are considered and brought to life through classroom discussions, debates, and presentations. Students demonstrate competency in reading and comprehension of Latin poetry and prose by identifying grammatical elements of texts, explaining the meaning of words and phrases in context, and interpreting the texts.

0707300/DTA	RUSSIAN 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	World Language

The purpose of this course is to introduce students to the target language and its culture and to develop communicative skills and cross-cultural understanding. Content will include beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing will also be included, as well as the fundamentals of grammar and culture.

0707310/DTB	RUSSIAN 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Russian 1/Teacher Recommendation
	Type of Credit:	World Language

The purpose of this course is to reinforce the fundamental skills previously acquired by students. This course develops increased listening, speaking, reading and writing skills as well as cultural awareness. Reading and writing will receive more emphasis, while oral communication remains the primary objective. This course will continue the cultural survey of countries where the target language is spoken.

☆0707320/DTC	RUSSIAN 3 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Russian 2/Teacher Recommendation
	Type of Credit:	World Language

This course will reinforce the fundamental skills previously acquired by students. It will develop increased listening, speaking, reading and writing skills as well as cultural awareness. Reading and writing will receive more emphasis, while oral communication remains the primary objective. This course will continue the cultural survey of countries where the target language is spoken.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

0708340/DUE	SPANISH 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	World Language

The purpose of this course is to introduce students to the target language and its culture and to develop communicative skills and cross-cultural understanding. The content will include beginning skills in listening and speaking with special attention to pronunciation. An introduction to reading and writing will be included, as well as the fundamentals of grammar and culture.

0708350/DUF	SPANISH 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish 1
	Type of Credit:	World Language

The purpose of this course is to reinforce the fundamental skills acquired previously by the students. This course develops increased listening, speaking, reading, and writing skills as well as cultural awareness. The content will include an expansion of listening and oral skills. Reading and writing will receive more emphasis, while oral communication remains the primary objective. This course will continue the cultural survey of Spanish-speaking people.

☆ 0708360/DUG	SPANISH 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish 2
	Type of Credit:	World Language

The purpose of this course is to master and expand the skills acquired previously by the students. The content will include expansion of vocabulary and conversational skills through discussions based on selected readings. Student's acquisition of grammatical concepts should be strengthened by analyzing reading selections. Contemporary vocabulary will be stressed through activities imitating the everyday life of Spanish-speaking people.

☆ 0708370/DUH	SPANISH 4 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish 3
	Type of Credit:	World Language

The purpose of this course is to extend the skills previously acquired by the students. The content will include more advanced language structures and idiomatic expressions, with emphasis on conversational skills. There will be additional growth in vocabulary for practical purposes including writing. Reading selections will be varied.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

☆0708400/DUK	ADVANCED PLACEMENT-SPANISH LANGUAGE	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish 3 or higher/Teacher Recommendation
Type of Credit:	World Language	

The purpose of this course is to develop oral and written fluency in the language. The content will include the requirements of the Advanced Placement program guidelines.

☆0708410/DUL	ADVANCED PLACEMENT-SPANISH LITERATURE	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish 3 or higher/Teacher Recommendation
Type of Credit:	World Language	

The purpose of this course is to develop oral and written fluency in the language. The content will include the requirements of the Advanced Placement program. After successfully completing this course, the student will be able to understand a lecture in Spanish; participate actively, in Spanish, in a discussion of a literary topic; read modern Spanish and Hispanic-American literature in all genres; and analyze critically, orally and in writing, the form and content of literary works.

0709300/DVA	SPANISH FOR SPANISH-SPEAKERS 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Heritage speaker of Spanish
Type of Credit:	World Language	

The purpose of this course is to provide a review of fundamental grammar and culture for students who speak Spanish as a native language, focusing on oral and written communication free from English interference. The content will include the reinforcement of the students' ability to communicate ideas and feelings, both orally and in writing, the development of comprehension skills through the study of reading selections, cultures of different Spanish-speaking countries, and the recognition of the different levels of language usage including regional dialects.

0709310/DVB	SPANISH FOR SPANISH-SPEAKERS 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish Speak 1/Teacher Recommendation
Type of Credit:	World Language	

The purpose of this course is to continue the development of oral communication skills by giving oral information, explanations, and messages both by composing originally in Spanish and through translations from English to Spanish. Writing skills include practice in describing; i.e. fictional characters, famous Hispanic personalities, facts, and situations.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

☆0709320/DVC	SPANISH FOR SPANISH-SPEAKERS 3 HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish Speak 2/Teacher Recommendation
	Type of Credit:	World Language

This course is designed to further develop specialized usage of vocabulary, writing and interpretation skills, using selected literary works in prose and poetry. The skill of letter writing is practiced as well as preparation and discussion of a variety of media communication.

0717300/DYD	AMERICAN SIGN LANGUAGE 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students to begin to acquire proficiency in American Sign Language through a linguistic, communicative, and cultural approach. Emphasis is placed on the development of receptive and expressive signing skills and on the acquisition of applied grammar. Cross cultural understanding and real-life applications will be emphasized.

0717310/DYE	AMERICAN SIGN LANGUAGE 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	American Sign Language 1
	Type of Credit:	Elective

The purpose of this course is to enable students to reinforce the fundamental skills acquired by the students in American Sign Language 1. The course develops increased receptive and expressive skills as well as cultural awareness. Specific content to be covered is a continuation of skills acquired in American Sign Language 1 while communication remains the primary objective. The cultural survey of the target language is continued.

☆0717312/DYF	AMERICAN SIGN LANGUAGE 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	American Sign Language 2
	Type of Credit:	Elective

The purpose of this course is to master and expand the skills previously acquired by students in American Sign Language 1 and 2. The course develops increased receptive and expressive skills as well as cultural awareness. Specific content to be covered is a continuation of skills acquired in American Sign Language 1 and 2, while communication remains the primary objective. The content will include an expansion of vocabulary and communication skills. The cultural survey of the target language is continued.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

☆0717314/DYG	AMERICAN SIGN LANGUAGE 4 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	American Sign Language 3
Type of Credit:	Elective	

The purpose of this course is to expand previously-acquired skills. The content should include, but not be limited to, the following: developing production and reception fluency in the language, developing cultural and interpersonal communication skills.

**A student who has earned 4 language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation.*

Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 3,4 or 5 on an AP World Language & Culture test or a 4,5,6 or 7 on an IB World Language test. (note: Not AP Literature)

HEALTH

0800300/EMA	HEALTH 1-LIFE MANAGEMENT SKILLS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Elective	

The purpose of this course is to develop skills necessary to make sound decisions for a healthy and effective life. Specific content shall include positive emotional development; nutrition and weight management; substance use and misuse; consumer health; family life education, including AIDS and sexually transmitted diseases; breast and testicular self-examination; and CPR.

0800310/EMB	HEALTH 2-PERSONAL HEALTH	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Life Management Skills
Type of Credit:	Elective	

Students will be provided with the knowledge and skills related to health topics which will enhance their ability to make wise health decisions for themselves, their families and communities.

0800320/EMC	FIRST AID AND SAFETY	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Life Management
Type of Credit:	Skills Elective	

Students will acquire skills in first aid, emergency care, and personal, community, and environmental safety. Content shall include first aid, adult, child and infant CPR, relief of obstructed airway, safety concepts, and sports medicine topics.

0800330/EMD	PERSONAL, SOCIAL, AND FAMILY RELATIONSHIPS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Elective	

Students will develop skills that promote positive social and emotional interactions and relationships. Specific content shall include in-depth study of basic human needs; self-awareness and acceptance; tolerance; stress management; family, peer and social relationship; marriage; parenting; and dealing with family problems.

0800350/EMF	ADOLESCENT HEALTH PROBLEMS	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	First Aid and Safety
Type of Credit:	Elective	

This course will provide students opportunities for in-depth investigations, extensive large and small group discussion and self-assessment related to selected personal health problems of adolescence. Content shall include study of a variety of problems including risk-taking behaviors, personal hygiene and appearance, sexually transmitted diseases, safety and first aid, and injury rehabilitation.

☆0800360/EMG	HEALTH EXPLORATIONS HONORS	
	Offered:	Grade 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Adolescent Health Problems
	Type of Credit:	Elective

This course will provide students with the opportunity for in-depth instruction in a variety of health topics and issues, modern medical practices and technology, and health careers.

0800370/EMH	PARENTING 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide the students with skills and information that will enable them to care for and nurture the infant child. The content should include basic infant care skills; growth and development of the infant; nutrition; child safety; caring for the sick or injured infant; building positive family relationships; parental rights and responsibilities; physical, social, and mental developmental stages of an infant; safe environments; and consumer skills.

0800380/EMI	PARENTING 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Parenting 1
	Type of Credit:	Elective

This course will provide the students with skills and information that will enable them to care for and nurture the toddler and preschool age child. The content will include the physical, social, and mental developmental stages of the toddler and preschool age child; signs, symptoms, and prevention of child abuse and neglect; parent-child communication; child safety; behavior management; child learning and play activities; modeling and child development; and coping with significant developmental events such as walking, toilet training, bedwetting, and defiance.

0800390/EMJ	HEALTH FOR EXPECTANT PARENTS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Nonelective
	Type of Credit:	

This course will help students to develop knowledge and skills that promote a healthy baby, mother, and family. The content will include human reproduction, physical changes during pregnancy, the birth process, nutrition, health care practices, environmental effects on the unborn baby, fetal growth and development, sexually transmitted diseases, decision making, fetal growth and development, the identification of local resources and agencies providing health services, and family planning.

MATHEMATICS

In order to provide the best possible placement in mathematics for each student, all mathematics courses require teacher recommendation.

1200370/IMJ	ALGEBRA 1a	
	Offered:	Grade 9, 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Math

This is the first year of a two-year Algebra 1 sequence. The purpose of this course is to develop the algebraic concepts and processes that can be used to solve a variety of real-world and mathematical problems using concrete models to explain algebraic concepts. The content will include: variables, properties of real numbers with emphasis on rational numbers; ratio and proportion; solving linear equations and systems; graphing relations and functions; coordinate geometry; inequalities; measurement; geometric relationships; set operations; dimensional analysis; and identifying patterns and making predictions. Manipulatives, calculators, and computers will serve as instructional tools in concept development.

Algebra 1a meets 1.0 credit for math graduation requirements, but only 0.5 credits for entrance into the state university system or Bright Futures Scholarship Program. **Students will take a district EOC assessment.**

1200380/IMK	ALGEBRA 1b	
	Offered:	Grade 9, 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1a
	Type of Credit:	Math

This is the second year of a two-year Algebra 1 sequence. The purpose of this course is to develop the algebraic concepts and processes that can be used to solve a variety of real world and mathematical problems using concrete models to explain algebraic concepts. The content will include: properties of real numbers including rational and irrational numbers; algebraic notation; scientific notation; polynomials; varied means for analyzing and expressing patterns, relations, and functions; linear and quadratic functions; coordinate geometry; geometric relationships; and data analysis concepts. Manipulatives, calculators, and computers will serve as instructional tools in concept development. This course is a study of the topics of Algebra 1 designed to develop the algebraic concepts and processes that can be used to solve a variety of real-world mathematics problems. The content will include: functions, linear equations, inequalities, polynomials, rational numbers and equations, radicals, quadratics, and discrete mathematics with multiple representations. Calculators and computers will serve as instructional tools in concept development. Algebra 1b meets 1.0 credit for math graduation requirements, but only 0.5 credits for entrance into the state university system or Bright Futures Scholarship Program.

For students who entered 9th grade in 2010-2012 school years they will be required to pass the state Algebra 1 End of Course Assessment to be awarded credit for the course. For students who entered 9th grade in 2013-2014 and thereafter they will be required to take the Algebra I End of Course Exam (EOC), which will constitute 30% of their overall final course grade. Students will be required to pass the state Algebra EOC for graduation purposes.

1200310/IMB	ALGEBRA 1	
	Offered:	Grade 9, 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Math

This course is a study of the topics of Algebra 1 designed to develop the algebraic concepts and processes that can be used to solve a variety of real-world mathematics problems. The content will include: functions, linear equations, inequalities, polynomials, rational numbers and equations, radicals, quadratics, and discrete mathematics with multiple representations. Calculators and computers will serve as instructional tools in concept development.

For students who entered 9th grade in 2010-2012 school years they will be required to pass the state Algebra 1 End of Course Assessment to be awarded credit for the course. For students who entered 9th grade in 2013-2014 and thereafter they will be required to take the Algebra I End of Course Exam (EOC), which will constitute 30% of their overall final course grade. Students will be required to pass the state Algebra EOC for graduation purposes.

☆ 1200320/IMC	ALGEBRA 1 HONORS	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Math

This course is a rigorous in-depth study of the topics of Algebra 1 designed to develop the algebraic concepts and processes that can be used to solve a variety of real-world mathematics problems. The content will include: structure and properties of the real number system; varied means for analyzing and expressing patterns, relations and functions; variables, algebraic expressions and polynomials; geometric concepts; set operations; dimensional analysis; data analysis concepts and techniques; and varied solution strategies, algebraic and graphic, for inequalities, linear and quadratic equations, and for systems of equations. Calculators and computers will serve as instructional tools in concept development.

For students who entered 9th grade in 2010-2012 school years they will be required to pass the state Algebra 1 End of Course Assessment to be awarded credit for the course. For students who entered 9th grade in 2013-2014 and thereafter they will be required to take the Algebra I End of Course Exam (EOC), which will constitute 30% of their overall final course grade. Students will be required to pass the state Algebra EOC for graduation purposes.

1207300/IUC	LIBERAL ARTS MATHEMATICS 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1 or equivalent
	Type of Credit:	Math

Liberal Arts Mathematics is a course designed to strengthen the mathematical skills required for end of course exams and college entrance exams. Units of study will include solving and graphing equations, inequalities and systems of equations, properties of polynomials and exponents, introduction to geometry, similarity, three dimensional measurements and statistics.

NOTE: This course does not meet NCAA requirements.

1207310/IUD	LIBERAL ARTS MATHEMATICS 2
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Offered:	Grade 9, 10, 11, 12
Credit:	1.0
Length:	Year
Prerequisite:	Geometry or equivalent
Type of Credit:	Math

Liberal Arts Mathematics 2 is a course designed to strengthen the mathematical skills required for end of course exams and college entrance exams. Units of study for Liberal Arts Mathematics 2 will include algebraic expressions and equations with geometric connections, quadratics, polynomials and rational expressions, exponential and logarithmic functions, statistics and probability.

NOTE: This course does not meet NCAA requirements.

1200330/IMD	ALGEBRA 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1 or equivalent
Type of Credit:	Math	

This course is designed to continue the study of algebra and to provide the foundation for applying these skills to other mathematical and scientific fields. The content will include: structure and properties of the complex number system; sequences and series; relations; functions and graphs; varied solution strategies for linear equations, inequalities, and systems of equations and inequalities; quadratic, exponential, and logarithmic functions, and their applications; Calculators and computers will serve as instructional tools in concept development.

1200340/IME	ALGEBRA 2 HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1 or equivalent
Type of Credit:	Math	

This course is a rigorous in-depth study of the topics of Algebra 2 with emphasis on theory, proof, and development of formulas, as well as their application. The content will include: structure and properties of the complex number system; sequences and series; relations; functions and graphs; varied solution strategies for linear equations, inequalities, and systems of equations and inequalities; quadratic, exponential, and logarithmic functions; and the Binomial Theorem. Calculators and computers will serve as instructional tools in concept development.

1200387/ISD	FINANCIAL ALGEBRA	
	Offered:	Grade 9,10,11,12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1 and Geometry
Type of Credit:	Math	

This is a mathematics course that addresses financial decisions that result in more fiscally responsible citizens. This course will give students the opportunity to apply mathematics found in financial topics such as personal investments, retirement planning, credit card interest, and savings. Financial Algebra is designed for students who have completed Algebra 1 and Geometry. The course would be a bridge to upper-level mathematics such as Algebra 2 and Mathematics for College Readiness.

1206300/ISA	INFORMAL GEOMETRY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1 or equivalent
Type of Credit:	Math	

The purpose of this course is to develop the geometric knowledge that can be used to solve a variety of real-world and mathematical problems. Geometric relations are developed inductively, with hands-on activities. Topics shall include: properties of lines, triangles, quadrilaterals, and circles; conditions of congruence and similarity; perimeters and areas of polygons and circles, Pythagorean Theorem; volume and surface area of regular solid figures; and simple constructions. Calculators and computers will serve as instructional tools in concept development.

Informal Geometry does not meet the state high graduation requirement for geometry for students entered high school beginning with the 2010-2011 school year. Informal Geometry does not meet the academic core in mathematics for entrance into the state university system or Bright Futures Scholarship Program.

Students will take a district EOC assessment.

1206310/ISB	GEOMETRY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1 or equivalent
Type of Credit:	Math	

The purpose of this course is to develop the geometric relationships and deductive strategies that can be used to solve a variety of real world and mathematical problems. The content will include Euclidean geometry of lines, planes, angles, triangles, construction and logic, and properties of circles, polygons, right triangle trigonometry, and reinforcement of algebraic concepts. Calculators and computers will serve as instructional tools in concept development.

Students will be required to sit for the end of course exam provided by the state which will constitute 30% of their overall final course grade.

★ 1206320/ISC	GEOMETRY HONORS	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1 or equivalent
Type of Credit:	Math	

This course is designed to give a rigorous in-depth study of geometry with emphasis on methods of proof and the formal language of mathematics. The content will include the following: structure of geometry; angle concepts; triangles, quadrilaterals; proofs, perpendicularity and parallelism in a plane and in space; similar polygons; circles and spheres; constructions; area and volume; and coordinate geometry. Calculators and computers will serve as instructional tools in concept development.

Students will be required to sit for the end of course exam provided by the state which will constitute 30% of their overall final course grade.

1200700/IND	MATH FOR COLLEGE READINESS	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 2/Geometry recommended and results of the post-secondary education common placement test (PERT).
Type of Credit:	Math	

The purpose of this course is to enhance and continue the study of mathematics after Algebra 1, Algebra 2, and Geometry and to prepare students for college-level studies. The content will include graphing linear functions, quadratic functions, absolute value functions, radical functions and rational functions. Students will also be expected to solve equations containing these types of functions as well as performing operations on expressions and simplifying. Other topics will include inequalities, factoring polynomials, applied problems, and systems of equations. Students will participate in assessment for college readiness. Calculators and computers will serve as instructional tools in concept development.

Students will take the PERT exam as their EOC assessment.

☆1201315/INE	ANALYSIS OF FUNCTIONS HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Algebra 2(Algebra 2 Honors)/Geometry(Geo Hon)
Type of Credit:	Math	

One semester of this course is designed to provide students with a complete study of circular and trigonometric functions and their applications. Problem solving is emphasized throughout. The content will include identities, graphs, inverses of circular functions, particular and general solutions of trigonometric equations, and solutions of right and oblique triangles. The other semester is designed to strengthen and extend the student's knowledge of functions and mathematical modeling. The content will include various data collection methods, analyzing data sets using statistical techniques, determining probabilities, and the study of function families. Calculators and computers will serve as instructional tools in concept development.

☆1211300/IXA	TRIGONOMETRY HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Algebra 2(Algebra 2 Honors)/Geometry (Geo Hon)
Type of Credit:	Math	

This course is designed to provide students with a complete study of circular and trigonometric functions and their applications. Problem solving is emphasized throughout. The content will include identities, graphs, inverses of circular functions, particular and general solutions of trigonometric equations, and solutions of right and oblique triangles. Calculators and computers will serve as instructional tools in concept development.

☆1210300/IWA	PROBABILITY AND STATISTICS WITH APPLICATIONS HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 2(Algebra 2 Honors)/Geometry (Geo Honors)
Type of Credit:	Math	

This course is designed to explore the concept of probability and elementary statistics. The content will include random experiments, probability concepts, permutations, combinations, and statistical applications. Calculators and computers will serve as instructional tools in concept development.

☆1202340/IOD	PRE-CALCULUS HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 2(Algebra 2 Honors)/Geometry (Geometry Honors)
Type of Credit:	Math	

This course is designed to strengthen and extend the student's knowledge of algebraic and trigonometric concepts and to prepare the student for calculus. The content will include mathematical induction, symbolic logic, Boolean and matrix algebra, probability and statistics, elementary functions and limits. Calculators and computers will serve as instructional tools in concept development.

☆1202310/IOB	ADVANCED PLACEMENT CALCULUS AB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Pre-calculus
Type of Credit:	Math	

This course is designed to offer students college-level mathematics under the guidelines of the Advanced Placement Program. The focus is on preparation for the Calculus Level AB Test given by the College Examination Board in May. Study will begin by reviewing function definitions, absolute value, and elementary functions from prerequisites. Calculators and computers will serve as instructional tools in concept development.

☆1202320/IOC	ADVANCED PLACEMENT CALCULUS BC	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Advanced Placement Calculus AB or Pre-calculus
Type of Credit:	Math	

This course is designed to offer students college-level mathematics under the guidelines of the Advanced Placement Program. The focus is on preparation for the Calculus Level BC Test given by the College Examination Board in May. Study will begin by reviewing function definitions, concepts of limits to functions, and derivate of algebraic, trigonometric, exponential and logarithmic functions. Calculators and computers will serve as instructional tools in concept development.

☆1210320/IWD	ADVANCED PLACEMENT STATISTICS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Math	

The purpose of this course is to offer students college-level mathematics under the guideline of the advanced placement program. The focus is on preparation for the statistics test given by the College Examination Board. Topics of study will include exploring data, using measurement in planning a study, producing models using probability and simulation to anticipate patterns, and statistical interference. Calculators and computers will serve as instructional tools in concept development.

1200315/IMG	ALGEBRA 1 FOR CREDIT RECOVERY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Failed Algebra 1
Type of Credit:	Elective	

This is an **elective course** that was designed to support the student’s success in satisfying the high school math requirement of passing the Algebra 1 EOC Exam. The purpose of this course is to remediate content and skills assessed on the Algebra 1 EOC in order to prepare for the retake exam. There is no required seat time for this course and students may earn an elective half credit for each semester they are registered. There are no limits on the number of times a student may take this course.

NOTE: This course does not meet NCAA requirements.

1206315/IMH	GEOMETRY FOR CREDIT RECOVERY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Failed Geometry
Type of Credit:	Elective	

This is an **elective course** that was designed to support the student’s success in satisfying the high school math requirement of passing the Geometry EOC Exam. The purpose of this course is to remediate content and skills assessed on the Geometry EOC in order to prepare for the retake exam. There is no required seat time for this course and students may earn an elective half credit for each semester they are registered. There are no limits on the number of times a student may take this course.

NOTE: This course does not meet NCAA requirements.

MUSIC

1300300/JMA	MUSIC THEORY 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

The course will include writing four-part triadic harmony, sight-singing, and writing simple rhythms/melodies, compositions, and study of musical terms. On completion, the student will be able to compose or arrange a short musical work.

☆ 1300330/JMD	ADVANCED PLACEMENT MUSIC THEORY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The course contains the study of fundamental terminology, notational skills, key signatures, and transposition. Two-part counterpoint, harmonization of melodies and four-part realization of figured bass symbols will be studied. Extensive melodic, rhythmic, and harmonic-ear training will be included.

☆ 1300350/JMC	INTRODUCTION TO MUSIC PERFORMANCE	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0.5
	Length:	Semester
	Prerequisite:	
Type of Credit:	Performing Fine Arts	

In this semester-long entry-level class, students with little to no experience develop a working knowledge of various musical instrument families. These families may include guitar, piano, string, woodwind, brass, percussion, and world instruments as well as the human voice. Students will learn fundamental playing techniques, including hand positions, posture, fingering systems and characteristic embouchure, breathing and tone production where applicable. Students will develop foundational music techniques, music literacy, listening skills and aesthetic awareness. Students will also explore the role that each instrumental family played in history and culture. Students may be required to attend and/or participate in rehearsals and performances outside of the school day to support, extend and assess learning in the classroom.

1300340/JMB	MUSIC OF THE WORLD	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	
Type of Credit:	Performing Fine Arts	

Students explore the musical traditions of 20th and 21st century American and global communities around the world through study of current trends, focusing on the function of music within various cultures (e.g., jazz, world drumming, mariachi, soul, gamelan, Bollywood, digital). Students examine and report on human activities involving music, technology and culture-related influences on music, and the sounds and structures of music composition. Public performances may serve as a resource for specific instructional goals. Students may be required to attend one or more performances outside the school day to support, extend and assess learning in the classroom.

1301320/JOC	GUITAR 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

This course is an introduction to performing experiences on the guitar and interpretation of simple notation. Students learn how to play simple chords and melodies using expressive characteristics such as dynamics and tempo. A beginning knowledge of music reading, listening skills and vocabulary appropriate to the guitar is included as a part of the course content.

1301330/JOD	GUITAR 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Guitar 1
	Type of Credit:	Performing Fine Arts

The purpose of this course is to provide students with instruction in guitar using varied performance techniques. The content should include the development of music fundamentals, guitar performance techniques and interpretation of musical notation including chord symbols.

1301340/JOE	GUITAR 3	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Guitar 2
	Type of Credit:	Performing Fine Arts

The purpose of this course is to provide student instruction in guitar using varied performance techniques. The content of the course should include the development of music fundamentals, a wide variety of guitar performance techniques and the interpretation of musical notation as well as tablature.

1301350/JOF	GUITAR 4 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Guitar 3
	Type of Credit:	Performing Fine Arts

The purpose of this course is to provide student instruction in guitar using varied performance techniques. The content of the course should include the development of music fundamentals, a wide variety of guitar performance techniques and the interpretation of musical notation as well as tablature. Students will also learn various improvisation techniques in a variety of musical styles.

1301360/JPA	KEYBOARD 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

The purpose of this course is to provide students with instruction in keyboard using varied performance techniques. The content shall include the development of music fundamentals, keyboard performance techniques and interpretation of musical notation including chord symbols.

1301370/JPB	KEYBOARD 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Keyboard 1
Type of Credit:	Performing Fine Arts	

The purpose of this course is to provide students with instruction in varied performance techniques on the keyboard. The content shall include the development of music fundamentals, performance techniques and interpretation of musical notation.

1301380/JPC	KEYBOARD 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Keyboard 2
Type of Credit:	Performing Fine Arts	

The purpose of this course is to provide students with instruction in the development of musicianship and technical skill through the study of varied keyboard literature. The content shall include instruction of students in the independent interpretation of medium-difficult level keyboard music, development of various stylistic performance techniques, and forms. Style and history are taught holistically.

☆ 1301390/JPD	KEYBOARD 4 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Keyboard 3
Type of Credit:	Performing Fine Arts	

The purpose of this course is to provide students with advanced instruction in individual keyboard performance. The content should include instruction in performing difficult solos and accompaniments of varied styles and historical eras. Emphasis is placed on individual style and performance.

1302300/JQA	BAND 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

This course shall provide students with opportunities to develop musicianship skills in band, marching band, and instrumental ensembles through performance. Students shall develop skills in characteristic tone production (standard woodwind, brasswind or percussion instruments), band performance techniques, musical literacy and music appreciation. After school rehearsals and performances are a part of this course.

1302310/JQB	BAND 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Band 1
Type of Credit:	Performing Fine Arts	

This course shall provide students with opportunities to develop musicianship skills in band, marching band, and instrumental ensembles through performance. Students shall develop skills in characteristic tone production (standard woodwind, brasswind or percussion instruments), band performance techniques, musical literacy and music appreciation. After school rehearsals and performances are a part of this course.

1302320/JQC	BAND 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Band 2
Type of Credit:	Performing Fine Arts	

This course shall provide students with opportunities to develop musicianship skills in band, marching band, and instrumental ensembles through performance. Students shall develop skills in characteristic tone production (standard woodwind, brasswind or percussion instruments), band performance techniques, musical literacy and music appreciation. After school rehearsals and performances are a part of this course.

1302330/JQD	BAND 4	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Audition
Type of Credit:	Performing Fine Arts	

This course shall provide students with opportunities to develop musicianship skills in band, marching band, and instrumental ensembles through performance. Students shall develop skills in characteristic tone production (standard woodwind, brasswind or percussion instruments), band performance techniques, musical literacy and music appreciation. After school rehearsals and performances are a part of this course.

☆ 1302340/JQE	BAND 5 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Contract Required
Type of Credit:	Performing Fine Arts	

This course provides large group instruction and performance experiences in wind and percussion instruments. Major emphasis of study will focus on continuing skill development, conceptual understanding and aesthetic appreciation needed to perform selected literature. Activities will include marching (unless not offered at the school), concerts, festivals, etc. As an honors course, the focus will be on cooperative learning as well as individualized instruction, student leadership, a written comprehensive examination and musical skills evaluation through ensemble performance, individual solo performance, conducting experiences, and written critiques.

☆ 1302350/JQF	BAND 6 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Contract Required
Type of Credit:	Performing Fine Arts	

This course provides large group instruction and performance experiences in wind and percussion instruments. Major emphasis of study will focus on continuing skill development, conceptual understanding and aesthetic appreciation needed to perform selected literature. Activities will include marching (unless not offered at the school), concerts, festivals, etc. As an honors course, the focus will be on cooperative learning as well as individualized instruction, student leadership, a written comprehensive examination and musical skills evaluation through ensemble performance, individual solo performance, conducting experiences, and written critiques.

1302360/JRA	ORCHESTRA 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

The purpose of this course is to develop musicianship skill in music ensembles on orchestral instruments. The content shall include opportunities enabling students to develop basic fundamental skills in characteristic tone production, orchestral performing techniques, musical literacy and music appreciation. After school rehearsals and performances are a part of this course.

1302370/JRB	ORCHESTRA 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Orchestra 1
	Type of Credit:	Performing Fine Arts

The purpose of this course is to extend musicianship and ensemble experiences on orchestral instruments. The content shall include extended skill development in characteristic tone production, orchestral performance techniques, musical literacy and music appreciation. After school rehearsals and performances are a part of this course.

1302380/JRC	ORCHESTRA 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Orchestra 2
	Type of Credit:	Performing Fine Arts

The purpose of this course is to provide students with instruction in the development of technical skills through the study of varied orchestral literature. The content shall include interpreting medium level orchestral music, establishing appropriate tone production and performance techniques, identifying simple musical forms and varied style periods, formulating aesthetic awareness. After school rehearsals and performances are a part of this course.

1302390/JRD	ORCHESTRA 4	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Orchestra 3
	Type of Credit:	Performing Fine Arts

The purpose of this course is to provide students with instruction in the application of musicianship and technical skills through the study of varied orchestral literature. The content shall include independent interpretation of medium level orchestral music, refinement of tone production and performance techniques, musical form, style periods, and aesthetic perceptions. After school rehearsals and performances are a part of this course.

☆1302400/JRE	ORCHESTRA 5 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Contract Required
Type of Credit:	Performing Fine Arts	

This course provides large group instruction and performance in string, wind, and percussion instruments. Major emphasis of study will focus on continuing skill development, conceptual understanding and aesthetic appreciation needed to perform selected literature. Activities will include concerts, festivals, etc. As an honors course, the focus will be on cooperative learning as well as individualized instruction, student leadership, a written comprehensive examination and musical skills evaluation through ensemble performance, individual solo performance, conducting experiences, and written critiques.

☆1302410/JRF	ORCHESTRA 6 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Contract Required
Type of Credit:	Performing Fine Arts	

This course provides large group instruction and performance in string, wind, and percussion instruments. Major emphasis of study will focus on continuing skill development, conceptual understanding and aesthetic appreciation needed to perform selected literature. Activities will include concerts, festivals, etc. As an honors course, the focus will be on cooperative learning as well as individualized instruction, student leadership, a written comprehensive examination and musical skills evaluation through ensemble performance, individual solo performance, conducting experiences, and written critiques.

1302460/JTA	INSTRUMENTAL ENSEMBLE 1	
	Offered:	Grade 9, 10, 11,
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

This course will provide students with extended opportunities for refinement of performance on brasswind, woodwind, percussion or orchestral string instruments in specific standard instrumentation for demonstration of musical independence necessary for ensemble performance; and to develop an awareness of music as an aesthetic whole.

1302470/JTB	INSTRUMENTAL ENSEMBLE 2	
	Offered:	Grade 9, 10, 11,
	Credit:	1.0
	Length:	Year
	Prerequisite:	Instrumental Ensemble 1
Type of Credit:	Performing Fine Arts	

This course will provide students with opportunities for performance on brasswinds, woodwinds, percussion or orchestral strings in specific standard instrumentation. The students shall develop musical independence for performance.

1302480/JTC	INSTRUMENTAL ENSEMBLE 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Instrumental Ensemble 2
Type of Credit:	Performing Fine Arts	

This course will provide students with extended opportunities for refinement of performance on brasswind, woodwind, percussion or orchestral string instruments in specific standard instrumentation, for demonstration of musical independence necessary for ensemble performance and to develop an awareness of music as an aesthetic whole. Students will develop refined musical sensitivity, independent interpretations of varied literature, a refined knowledge of styles and idioms, and independent musical values.

☆ 1302490/JTD	INSTRUMENTAL ENSEMBLE 4 HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Instrumental Ensemble 3
Type of Credit:	Performing Fine Arts	

This course will provide students with extended opportunities for refinement of performance on brasswind, woodwind, percussion or orchestral string instruments in specific standard instrumentation, for demonstration of musical independence necessary for ensemble performance and to develop an awareness of music as an aesthetic whole. Students will develop musical leadership to conduct, to independently interpret highly varied literature, and the ability to formulate musical values and the ability to perform appropriately in varied ensembles.

1302500/JUA	JAZZ ENSEMBLE 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to introduce students to jazz and popular music styles and interpretations. Emphasis is placed on characteristic tone production and idiomatic performance techniques. After school performances and rehearsal are a part of this course.

1302510/JUB	JAZZ ENSEMBLE 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Jazz Ensemble 1
Type of Credit:	Performing Fine Arts	

The purpose of this course is to develop and extend students' understanding of jazz and popular music. Improvisation, tone production, and performance techniques are emphasized. After school rehearsal and performances are a part of this course.

1302520/JUC	JAZZ ENSEMBLE 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to develop the ability to apply the knowledge of styles and techniques of varied contemporary popular and jazz literature. The content shall include the study and performance of varied medium level popular and jazz idiomatic literature. Improvisation, characteristic tone, individual and ensemble performance techniques, and an appreciation of the history of jazz in the United States are emphasized and applied. After school rehearsal and performances are a part of this course.

☆ 1302530/JUD	JAZZ ENSEMBLE 4 HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Contract
Type of Credit:	Required Performing Fine Arts	

The purpose of this course is to develop independence in knowledge of styles and performance techniques of varied contemporary music and jazz literature. Content shall include the study and performance of varied difficult diverse popular and idiomatic literature. Independence in improvisation, interpretation and performance is emphasized. After school rehearsals and performances are a part of this course.

1303300/JVA	CHORUS 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Performing Fine Arts	

The purpose of this course is to provide students with experiences in basic vocal production and part singing. Students shall develop basic skills in tone production, performance techniques, musical literacy, and music appreciation. After school rehearsals and performances are a part of this course.

1303310/JVB	CHORUS 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Chorus 1
Type of Credit:	Performing Fine Arts	

The purpose of this course is to extend experiences in basic vocal production techniques and part singing, choral performance techniques, vocal tone production, musical literacy and music listening shall be emphasized. After school rehearsals and performances are a part of this course.

1303320/JVC	CHORUS 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Chorus 2
Type of Credit:	Performing Fine Arts	

The purpose of this course is to develop basic musicianship and technical skills. Interpretation of notation, holistic presentation of simple musical forms, style periods and aesthetic values shall be emphasized. After school rehearsal and performances are a part of this course.

1303330/JVD	CHORUS 4	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Chorus 3
Type of Credit:	Performing Fine Arts	

This course shall include the application of vocal musicianship and technical skills through the study of varied choral literature and performances. Independent interpretation of easy-medium choral literature, refinement of tone and technique, analysis of form, style, periods, and aesthetic perceptions shall be emphasized. After school rehearsals and performances are a part of this course.

☆ 1303340/JVE	CHORUS 5 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Contract Required
Type of Credit:	Performing Fine Arts	

This course provides students with large group, small group, and solo experiences in vocal production and part singing for mixed voices. Emphasis will be placed on the rehearsal and performance of quality choral and solo literature from a variety of periods and styles. Activities will include concerts, festivals, etc. As an honors course, the focus will be on cooperative learning as well as individualized instruction, student leadership, a written comprehensive examination and musical skills evaluation through ensemble performance, individual solo performance, conducting experiences, and written critiques.

☆ 1303350/JVF	CHORUS 6 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Contract Required
Type of Credit:	Performing Fine Arts	

This course provides students with large group, small group, and solo experiences in vocal production and part singing for mixed voices. Emphasis will be placed on the rehearsal and performance of quality choral and solo literature from a variety of periods and styles. Activities will include concerts, festivals, etc. As an honors course, the focus will be on cooperative learning as well as individualized instruction, student leadership, a written comprehensive examination and musical skills evaluation through ensemble performance, individual solo performance, conducting experiences, and written critiques.

1303440/JWA	VOCAL ENSEMBLE 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to develop performance in ensembles through the study of varied literature. Instrumental accompaniment and choreography may be included. After-school rehearsals and performances are a part of this course.

1303450/JWB	VOCAL ENSEMBLE 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to apply performance techniques through the study of varied literature. Instrumental accompaniment and choreography may be included. After-school rehearsals and performances are a part of this course.

1303460/JWC	VOCAL ENSEMBLE 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to develop creativity and refine performance techniques through the study of varied appropriate literature. Instrumental accompaniment and choreography may be included. After-school rehearsals and performances are a part of this course.

☆ 1303470/JWD	VOCAL ENSEMBLE 4 HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to foster creative performances in ensembles through the study of highly varied appropriate literature as well as providing students with opportunities for leadership. The content shall include independent application of vocal balance, blend and stylistic interpretation. It provides for development of musical independence necessary for small ensemble performance and may include instrumental accompaniment and choreography. After-school rehearsals and performances are a part of this course.

1305300/JYA	EURHYTHMICS 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to provide students with instruction in the development of beginning level skill in the art of performing various bodily movements in rhythm using musical accompaniment. After school rehearsals and performances are a part of this course.

1305310/JYB	EURHYTHMICS 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to provide students with instruction in the development of intermediate level skills in the art of performing various bodily movements in rhythm using musical accompaniment. After school rehearsals and performances are a part of this course.

1305320/JYC	EURHYTHMICS 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to provide students with instruction in the development of advance level skills in the art of performing various bodily movements in rhythm using musical accompaniment. The content will include the further development of knowledge and application of techniques indigenous to various eurhythmics' styles, dance terminology and choreography. Acquisition of technique and choreography should be stressed. After school rehearsals and performances are a part of this course.

1305330/JYD	EURHYTHMICS 4	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Performing Fine Arts	

The purpose of this course is to provide students with opportunities for extended acquisition of knowledge and development of techniques in the art of performing various bodily movements in rhythm using musical accompaniment. The content will include the extended study of musical interpretation through movement. Acquisition of technique and choreography should be stressed with emphasis on individual creativity. After school rehearsals and performances are a part of this course.

PEER COUNSELING

1400300/KMA	PEER COUNSELING 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students to develop basic knowledge and skills in communication, meeting human needs, and conflict resolution. The content shall include functions of a peer facilitator, behavior as a response and its impact on self and others, basic human needs, self-awareness and self-expression, facilitative communication skills, leadership styles and skills, and conflict resolution.

1400310/KMB	PEER COUNSELING 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Peer Counseling 1
	Type of Credit:	Elective

The purpose of this course is to enable students to develop intermediate-level knowledge and skills in communication, personal and group dynamics, and conflict resolution. The content shall include, functions of a peer facilitator, behavior as a response and its impact on self and others, intra- and interpersonal skills, peer and family relationships, facilitative communication skills, group dynamics, leadership skills, conflict resolution, and personal assessment and goal setting.

1400320/KMC	PEER COUNSELING 3	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Peer Counseling 2/Teacher Recommendation
	Type of Credit:	Elective

The purpose of this course is to enable students to develop proficient knowledge and skills in communication, personal and group dynamics, and conflict resolution. Emphasis will be on the issues and concerns of students within the school. The content shall include leadership skills, behavior as a response and its impact on self and others, interpersonal skills, facilitative communication skills and strategies, school and community resources, needs assessment, program planning and implementation, program analysis and evaluation, and conflict resolution.

1400330/KMD	PEER COUNSELING 4	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Peer Counseling 3/Teacher Recommendation
	Type of Credit:	Elective

The purpose of this course is to enable students to develop advanced knowledge and skills in communication, personal and group dynamics, and conflict resolution. Emphasis will be on program development and intervention for students in the school and community. The content shall include leadership skills, behavior as a response and its impact on self and others, interpersonal skills, facilitative communication skills and strategies, conflict resolution, school and community resources, needs assessment, prevention and intervention strategies, program planning and implementation, community intervention, and program analysis and evaluation.

1400340/KME	PEERS AS PARTNERS IN LEARNING	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	Teacher Recommendation
Type of Credit:	Elective	

This course is designed to provide reciprocal academic and social benefits to student with disabilities and their peers without disabilities. Students enrolled in this course will learn and apply knowledge and skilled practices in the areas of academic engagement, communication, social barriers, leadership, problem solving, and other disability-related topics such as historical perspectives, inclusion, Universal Design for Learning, person-first language, presumed competence, social justice for minority populations, and media representation of diverse people.

PHYSICAL EDUCATION

FITNESS:

1501300/KOA	PERSONAL FITNESS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Personal Fitness/Physical Education

The purpose of this required course is to teach students the importance of maintaining an optimal level of health fitness and how to assess and develop that fitness. The content will also include knowledge of health problems associated with inadequate fitness levels, knowledge and application of physiological principles of fitness, proper nutrition, stress management, and consumer issues related to physical fitness. Students will develop individual wellness plans.

1501310/KOB	FITNESS LIFESTYLE DESIGN	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Physical Education

This course will cover assessment of the health-related components of fitness and application of fitness concepts. Students will design, implement and self-evaluate an ongoing individualized personal wellness program. A minimum of three physical activity days each week is recommended so that students may monitor and measure individual fitness levels.

1501320/KOC	FITNESS ISSUES FOR ADOLESCENCE	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Personal Fitness
	Type of Credit:	Physical Education

Students will expand their knowledge of physical fitness concepts and engage in activities designed to improve their levels of physical fitness. Information on selected adolescent issues related to fitness and grooming will be explored. The content will include knowledge and application of physical fitness activities that assess and promote the health-related components of fitness. A minimum of three physical activity days each week is recommended so that students may monitor and measure individual fitness levels. Students will monitor and modify individual wellness plans.

1501340/KPA	WEIGHT TRAINING 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Physical Education

Students will acquire basic knowledge and skills in weight training in order to assess, develop, and maintain their own muscular strength and endurance. They will study the importance of muscular strength and endurance, the skeletal structure and muscles, biomechanical and physiological principles, nutrition, and safety practices related to weight training. Cardiovascular fitness shall be emphasized in all weight training courses.

1501350/KPB	WEIGHT TRAINING 2	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Weight Training 1
Type of Credit:	Physical Education	

Students will increase their knowledge of, and skills in, muscular strength and endurance begun in Beginning Weight Training. Cardiovascular fitness shall also be emphasized.

☆ 1501360/KPC	WEIGHT TRAINING 3	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Weight Training 2
Type of Credit:	Physical Education	

Students will increase their knowledge of, and skills in, muscular strength and endurance. They will also learn how to design and implement a personal program to meet specific needs and goals, and how to run a weight lifting competition.

1501390/KPF	COMPREHENSIVE FITNESS	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Personal Fitness
Type of Credit:	Physical Education	

Students will expand their knowledge of fitness concepts and increase their level of total fitness. The application of biomechanical and physiological principles of training will be examined. The course will place an emphasis upon developing and maintaining healthy lifestyle habits. A minimum of three physical activity days each week is recommended so that students may monitor and measure individual fitness levels. Students will monitor and modify individual wellness plans.

1501410/KPH	POWER WEIGHT TRAINING 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Physical Education	

The purpose of this course is to acquire knowledge and skills in power weight training and improve or maintain health related physical fitness. Students will learn safety practices, techniques and assessment of basic Olympic and power weight training skills, assessment of health-related fitness, consumer issues related to weight training and fitness activities.

1502500/KUG	SPORTS OFFICIATING	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Physical Education	

Students will acquire knowledge and skills in officiating various sports. Course content includes safety practices, techniques, and procedures necessary to officiate activities. The improvement of maintenance of health-related fitness shall be emphasized.

1503400/KOD	AEROBICS 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Physical Education	

Students will develop an improved level of health-related fitness, acquire knowledge of fitness concepts and recognize the significance of health-related components of fitness to one's health. They will learn safety practices, various fitness activities, health problems associated with poor cardiovascular fitness, consumer issues and biomechanical and physiological principles of health-related fitness.

1503410/KPD	AEROBICS 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Aerobics 1
Type of Credit:	Physical Education	

Students will extend their knowledge of aerobic activities and further develop their individual levels of health-related fitness. They will be able to design, implement and evaluate their own personal aerobic training program. The nutritional aspects of physical fitness will be included in this instruction.

☆ 1503420/KPE	AEROBICS 3	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Aerobics 2
Type of Credit:	Physical Education	

Students will continue to develop their individual optimal level of health-related fitness and acquire additional knowledge of fitness concepts. They will understand and be able to apply biomechanical and physiological principles related to fitness; they will exhibit knowledge of fitness-related career opportunities, also. The design, implementation and evaluation of a personal aerobic training program will be emphasized.

INDIVIDUAL AND DUAL:

1502410/KTA	INDIVIDUAL AND DUAL SPORTS 1	
	Offered:	Grade 9, 10
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Physical Education	

Students will learn the history, skills, rules, terminology, safety, and playing strategies, of four individual and dual sports (specific activities will vary with each high school). Sportsmanship and the maintenance and/or improvement of personal fitness shall be stressed. Where facilities permit, all students will have weight training.

1502420/KTB	INDIVIDUAL AND DUAL SPORTS 2	
	Offered:	Grade 9, 10
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Physical Education

Students will learn the history, skills, rules, terminology, safety, and playing strategies, of four individual and dual sports which were not taught in Individual and Dual Sports 1 (specific activities will vary with each high school). Sportsmanship, maintenance, and improvement of personal fitness shall be stressed.

☆ 1502430/KTC	INDIVIDUAL AND DUAL SPORTS 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Physical Education

The purpose of this survey course is to acquire knowledge of individual and dual sports' play, develop basic skills in selected individual and dual sports, and maintain and/or improve health-related fitness. Activities for this course may not be repeated in Individual and Dual Sports 1 or 2.

1502470/KUD	RECREATIONAL ACTIVITIES	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Physical Education

Students will acquire the skills, techniques, strategies, knowledge of rules, and safety practices necessary to participate in selected recreational activities (e.g., badminton, table tennis, horseshoes, tennis, golf). Specific content will vary slightly with each high school. Activities that relate to the assessment, improvement, and maintenance of health-fitness will be part of this course.

1502480/KUE	OUTDOOR EDUCATION	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Physical Education

Students will acquire knowledge and skills in a variety of outdoor education activities that may be used in recreational pursuits. The activities should include, but not be limited to camping, canoeing, small craft, hiking, backpacking, orienteering, angling and cycling. The maintenance and/or improvement of physical fitness through participation in these activities will be emphasized.

1502490/KUF	CARE & PREVENTION OF ATHLETIC INJURIES	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Life Management Skills
	Type of Credit:	Physical Education

This course will include intervention, and care and treatment of athletic injuries with an emphasis on prevention of injury, understanding the field aspects of athletic training, techniques of taping, and injury rehabilitation. Students will participate as student athletic trainers.

1504500/KSA	TENNIS 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Physical Education

The purpose of this course is to provide students with in-depth knowledge and application of the basic strokes, techniques, rules, history, etiquette, and safety practices of tennis. Skill acquisition and the maintenance and/or improvement of personal fitness will be stressed.

1504510/KSB	TENNIS 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Tennis 1/Teacher Recommendation
	Type of Credit:	Physical Education

The purpose of this course is to provide students with more advanced skills in tennis. The content will include the history, rules, etiquette, and terminology of tennis, as well as skills, strategies, and safety practices. The maintenance and/or improvement of personal fitness will be stressed.

★ 1504520/KSG	TENNIS 3	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Tennis 2
	Type of Credit:	Physical Education

This course is a continuation of Tennis 2.

1503300/KUH	TRACK AND FIELD	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Physical Education

Students will learn the rules, terminology, history, and safety practices of track and field activities. The application of proper techniques in track and field events will be emphasized. Students will learn strategies, officiating, and physiological principles related to exercise and training for track and field events.

1503310/KVB	BASKETBALL	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Physical Education

This course will provide students with opportunities to acquire in-depth knowledge and skills in basketball. Content will include techniques, strategies, rules, safety, organization and administration of basketball tournaments and other activities, and officiating techniques. Strategies of team play, individual skill acquisition, and the maintenance and/or improvement of personal fitness will be stressed.

1503320/KVC	SOCCER	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semeste
	Prerequisite:	r None
Type of Credit:	Physical Education	

The purpose of this course is to acquire knowledge and skills in soccer and maintain or improve health related fitness. Students will learn the rules, history, terminology and techniques of soccer.

1503350/KWA	TEAM SPORTS 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Physical Education	

Students will learn safety practices, skills, techniques, rules and strategies in selected team sports. Health-related components of fitness will be emphasized. The selected team sports may include, but not be limited to team handball, flicker-ball, gator-ball, speedball, field hockey and track and field. Special Note: Activities selected in Team Sports 1 may not be repeated in Team Sports 2.

1503360/KWB	TEAM SPORTS 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Physical Education	

Students will acquire knowledge of team sports play, develop skills in selected team sports and maintain or improve their health-related fitness levels. Students must understand and be able to apply the physiological principles related to exercise and training. The selected team sports may include, but not be limited to angle ball, soccer, volleyball, basketball, softball, flag football, and Frisbee games. Special Notes: Activities selected in Team Sports 2 must be different from those taught in Team Sports 1.

1505500/KVE	VOLLEYBALL 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Physical Education	

This course will provide students with knowledge and skills in power volleyball. It will include the history, rules, terminology, skills, strategies, officiating techniques, and information on the organization and administration of volleyball activities. Students will also acquire an understanding of the physiological principles related to exercise and training and exhibit an improved or maintained level of physical fitness.

1505510/KWE	VOLLEYBALL 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Volleyball 1/Teacher Recommendation
Type of Credit:	Physical Education	

The course will provide students with knowledge and skills in Volleyball 1 for current and future recreational pursuits. It will include instruction on advanced skills, techniques and strategies of the game, as well as methods of organization and administration of volleyball activities. Students will also gain in understanding of volleyball officiating techniques. Maintenance and/or improvement of personal fitness levels are emphasized.

☆1505520/KWF	VOLLEYBALL 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Volleyball 2/Teacher Recommendation
Type of Credit:	Physical Education	

The course will provide students with knowledge and skills in Volleyball 2 for current and future recreational pursuits. In Volleyball 3, students will use knowledge of skill instruction from Volleyball 1 and acquisition of play strategy from Volleyball 2. In this course, specific offenses and defenses will be taught emphasizing the different levels of play from the basic to the high-level student seeking play at the college level. Coaching strategy will also be introduced, and students will be given the opportunity to teach specific drills and lead-up games to reinforce the concepts of volleyball.

1500300/KNA	ADAPTIVE PHYSICAL EDUCATION-IE	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Staffing, IEP
Type of Credit:	Personal Fitness/Physical Education	

Students who are unable to participate in a modified form of the Personal Fitness course and who qualify under PL94-142 will be staffed into this course so that they may meet the Personal Fitness requirement for a standard diploma. The content will include, and be limited to, the goals and objectives contained in the student's IEP.

1500410/KOL	INTERSCHOLASTIC SPORTS 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Semester
	Prerequisite:	None
Type of Credit:	NOT FOR CREDIT	

This course is used to denote that a Personal Fitness Waiver is being used to satisfy the personal fitness and physical education requirements for graduation. This course denotes completion of one full season of an interscholastic sport (1 of 3 requirements for the waiver). The waiver applies to students who entered ninth grade in the 1999-2000 school years and after. **THIS COURSE CARRIES NO CREDIT.**

1500420/KOM	INTERSCHOLASTIC SPORTS 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Semester
	Prerequisite:	None
Type of Credit:	NOT FOR CREDIT	

This course is used to denote that Personal Fitness Waiver is being used to satisfy the personal fitness and physical education requirements for graduation. This course denotes completion of a second full season of an interscholastic sport (1 of 3 requirements for the waiver). The waiver applies to students who entered ninth grade in the 1999-2000 school years and after. **THIS COURSE CARRIES NO CREDIT.**

☆1500430/KON	INTERSCHOLASTIC SPORTS 3 WAIVER	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Semester
	Prerequisite:	None
Type of Credit:	NOT FOR CREDIT	

This course is used to denote that a Personal Fitness Waiver is being used to satisfy the personal fitness and physical education requirements for graduation. This course denotes a waiver of Personal Fitness due to the completion of two full seasons of an interscholastic sport. The waiver applies to students who entered ninth grade in the 1999-2000 school years and after. **THIS COURSE CARRIES NO CREDIT.**

1500440/KOO	MARCHING BAND P.E. WAIVER	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Semester
	Prerequisite:	None
Type of Credit:	NOT FOR CREDIT	

This course is used to denote that a Marching Band Waiver is being used to satisfy the one-half physical education credit required for graduation. Students must have participated in one full season of Marching Band or band auxiliaries. **THIS COURSE CARRIES NO CREDIT.**

1500445/KOS	DANCE P.E. WAIVER	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Semester
	Prerequisite:	None
Type of Credit:	NOT FOR CREDIT	

This course is used to denote that a Dance Waiver is being used to satisfy the one half physical education credit required for graduation. Students must have participated in one semester of a dance class. **THIS COURSE CARRIES NO CREDIT.**

1500450/KOP	ROTC P.E. YEAR 1 WAIVER	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Semester
	Prerequisite:	None
Type of Credit:	NOT FOR CREDIT	

This course, **in conjunction with the ROTC P.E. Year 2 Waiver (1500460)**, is being used to satisfy the one-half physical education credit required for graduation. Students must successfully complete an ROTC course with drills and ceremonies. Students still must take the Personal Fitness course. **THIS COURSE CARRIES NO CREDIT.**

1500460/KOQ	ROTC P.E. YEAR 2 WAIVER	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Semester
	Prerequisite:	None
Type of Credit:	NOT FOR CREDIT	

This course, **in conjunction with the ROTC P.E. Year 1 Waiver (1500450)**, is being used to satisfy the one-half physical education credit required for graduation. Students must successfully complete a second ROTC course with drills and ceremonies. Students still must take the Personal Fitness course. **THIS COURSE CARRIES NO CREDIT.**

1500480/KOR	ROTC P.E./PERFORMING ARTS WAIVER	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Semester
	Prerequisite:	None
Type of Credit:	NOT FOR CREDIT	

This course is being used to satisfy the fine and performing arts credit required for graduation. Students must successfully complete two ROTC course with drills and ceremonies. **THIS COURSE CARRIES NO CREDIT.**

RESEARCH

1700300H/LOAH	RESEARCH AND INQUIRY SKILLS FOR SUCCESS IN COLLEGE	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students to develop fundamental knowledge of the steps in the research process. The content should include, but not be limited to, the following: nature and purpose of research; research questions and hypotheses; research methods and procedures; review of literature and other resources; primary and secondary sources; directed investigations; organization of information; report formats, styles, and content; critical analysis of research; submission of a major independent research project.

1700380/LOI	CAREER RESEARCH & DECISION MAKING	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to further develop the career planning competencies mandated by section 1003.4156, Florida Statutes. This course will enable students to make informed career choices and develop the skills needed to successfully plan and apply for college or a job. The content should include, but not be limited to, the following: goal-setting and decision-making processes; self-assessment; sources of career information; occupational fields and educational requirements—postsecondary education and training opportunities –writing, listening, viewing, and speaking skills for applications and interviews; financial planning and sources of educational financial assistance; and career planning.

1700500/LOT	AP CAPSTONE SEMINAR	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
	Type of Credit:	Elective

This course is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentation, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

1700510/LRB	AP CAPSTONE RESEARCH	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	AP Seminar
	Type of Credit:	Elective

This is the second course in the AP Capstone experience. It allows students to deeply explore an academic topic, problem, issue or idea of individual interest. Students design, plan and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000-5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with and oral defense.

1700390/LOK	AVID 1	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	Recommendation and Interview
Type of Credit:	Elective	

Advancement Via Individual Determination (AVID) is a rigorous elective class that provides support for students in the AVID college preparatory curriculum through curricular and tutor-facilitated study groups. This course is designed to enable students to develop **fundamental skills** and strategies in Cornell note-taking, oral and written communication, time management, study skills for advanced courses, organization, problem solving and inquiry. This course also guides students to pursue a college education and assists in the exploration and application process. Career exploration is introduced as part of college planning. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, note-taking, and research. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, and reading to support their academic growth.

1700400/LOM	AVID 2	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Recommendation and Interview
Type of Credit:	Elective	

Advancement Via Individual Determination (AVID) is a rigorous elective class that provides support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop **basic skills** and strategies in Cornell note-taking, oral and written communication, time management, study skills for advanced courses, organization, problem solving, and inquiry. This course also guides students to pursue a college education and assists in the exploration and application process. Course increases career exploration. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, note-taking, and research. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, and reading to support their academic growth.

1700410/LON	AVID 3	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Recommendation and Interview
Type of Credit:	Elective	

Advancement Via Individual Determination (AVID) is a rigorous elective class that provides support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop intermediate skills and strategies in Cornell note-taking, oral and written communication, time management, study skills for advanced courses, organization, problem solving, and inquiry. This course also guides students to pursue a college education and assists in the exploration and application process. Students prepare for college entrance exams and continue career exploration for college. The course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test taking strategies, note taking and research.

AVID 3 is the first part in a junior/senior seminar course that focuses on writing and critical thinking expected of first and second year college students. This course is organized around the theme of “Leadership as a Catalyst for Change in Society.” Students study, in depth, exceptional leaders in contemporary society, and examine the effect these individuals have had on culture, politics, education, history, science, and the arts. The course requires that students read essays, speeches, articles and letters by these leaders, as well as at least one full-length work by the leader or about the leader. In addition, each student is required to conduct a research project that is presented in the senior year. In addition to the academic focus of the AVID Seminar, there are college bound activities, methodologies and tasks that should be undertaken during the junior year to support students as they apply to four-year universities and confirm their post-secondary plans.

1700420/LOO	AVID 4	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Recommendation and
Type of Credit:	Interview Elective	

Advancement Via Individual Determination (AVID) is an elective class that provides support for students in the AVID program through curricular and mentoring activities. This course is designed to enable students to develop advanced skills and strategies in Cornell note-taking, oral and written communication, time management, study skills for advanced courses, organization, problem solving, and inquiry. This course also guides students to pursue a college education and actively assists in the final application process. The course emphasizes rhetorical reading, analytical writing, collaborative discussion strategies, tutorial inquiry study groups, preparation for college entrance and placement exams, college study skills and test taking strategies, note taking and research. All AVID seniors are required to develop and present a portfolio representing their years of work in the AVID program as well as complete the requirements for the Seminar course.

AVID 4 is the second part in a junior/senior seminar course that focuses on writing and critical thinking expected of first and second year college students. This course continues around the theme of "Leadership as a Catalyst for Change in Society." Students will complete a final research essay project from research conducted in their junior year in AVID. In addition to the academic focus of the AVID Senior Seminar, there are college bound activities, methodologies and tasks that should be achieved during the senior year that support students as they apply to four-year universities and confirm their post-secondary plans.

ROTC AND MILITARY TRAINING

PROGRAM NUMBER	AIR FORCE - ROTC	
	Course Number	Course Name
	1800400/LPM	♣ Leadership Education 1
	1800300/LPA	♣ Aerospace Science 1
	1800310/LPB	♣ Aerospace Science 2
	1800320/LPC	Aerospace Science 3
	1800320H/LPCH	Aerospace Science 3 HONORS
	1800330/LPD	Aerospace Science 4: Leadership Development
	1800330H/LPDH	Aerospace Science 4: Leadership Development HONORS

1800400/LPM	♣ AIR FORCE – LEADERSHIP EDUCATION 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher
	Type of Credit:	Recommendation Elective

This course is a joint cooperative effort between the United States Air Force and the secondary school system. All Air Force JROTC programs consists of extensive practical application demonstrated “hands-on” performance in community support activities, and knowledge of subject material evaluated through a variety of assessment techniques. The laboratory element is the most vital component of the program. Course content includes, but is not limited to the following: leadership theory; drill and ceremonies; hygiene and first aid; physical fitness; oral communication techniques; effective study skills and safety.

This course shall integrate the Goal 3 Student Performance Standards of the Florida System of School Improvement and Accountability as appropriate to the content and process of the subject matter.

♣The JROTC courses coupled below meet the high school graduation fine arts requirement:

Air Force Leadership 1 and Air Force Leadership 2

OR

Air Force Aerospace Science 1 and Air Force Aerospace Science 2

OR

Army Leadership Education and Training 1 and Army Leadership Education and Training 2

1800300/LPA	♣AIR FORCE - AEROSPACE SCIENCE 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
	Type of Credit:	Elective

This course deals with Frontiers of Aviation History and Building a Better Citizen. The purpose of this course is to enable students to develop knowledge of the historical development of flight and the role of the military in history. Students also develop knowledge of the AFJROTC, individual self-control, citizenship, wellness, health, and fitness. Students practice basic drill techniques and conduct military ceremonies.

♣The JROTC courses coupled below meet the high school graduation fine arts requirement:

Air Force Leadership 1 and Air Force Leadership 2

OR

Air Force Aerospace Science 1 and Air Force Aerospace Science 2

OR

Army Leadership Education and Training 1 and Army Leadership Education and Training 2

1800310/LPB	♣AIR FORCE - AEROSPACE SCIENCE 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Aerospace Science 1/Teacher Recommendation
	Type of Credit:	Elective

This course is a general study of the Science of Flight and Interpersonal Communications. The purpose of this course is to enable students to develop knowledge of the aerospace environment, human requirements of flight, principles of aircraft flight, and principles of navigation. Students also develop effective communication skills, understanding of human and group behavior, and basic leadership concepts. Students practice drill movements and observe military customs and ceremonies.

1800320/LPC	♣AIR FORCE - AEROSPACE SCIENCE 3	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Aerospace Science 2/Teacher Recommendation
	Type of Credit:	Elective, Science requirement (when 2 & 3 completed)

This course stresses the Exploration of Space and Life Skills. The purpose of this course is to enable students to develop knowledge of the space environment, space programs and technology, and manned space flight. Students develop knowledge and skills related to planning for postsecondary education or employment, financial planning, and career opportunities. Students polish skills in marching and conducting military ceremonies.

1800320H/LPCH	♣AIR FORCE - AEROSPACE SCIENCE 3 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Aerospace Science 2/Teacher Recommendation/ Permission of Instructor/Contract Required
Type of Credit:	Elective, Science requirement (when 2 & 3 completed)	

This honors course offers extensive experience in Aerospace Science. In addition to fulfilling all requirements of Aerospace Science 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

♣The JROTC courses coupled below meet the high school graduation fine arts requirement:

Air Force Leadership 1 and Air Force Leadership 2

OR

Air Force Aerospace Science 1 and Air Force Aerospace Science 2

OR

Army Leadership Education and Training 1 and Army Leadership Education and Training 2

1800330/LPD	♣AIR FORCE - AEROSPACE SCIENCE 4: LEADERSHIP DEVELOPMENT	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Aerospace Science 3/Teacher Recommendation
Type of Credit:	Elective	

This course stresses Geography and Principles of Management. The purpose of this course is to enable students to develop knowledge of physical and human geography in major regions of the world. Students develop fundamental management concepts and skills and apply them in corps activities. There are four building blocks of leadership considered in this course from the military and civilian perspective. Attention to these four areas will form a strong foundation for a capability to lead. The four areas are Management Techniques, Management Decisions, Management Functions, and Managing Self and Others. Drill and ceremony functions are carried out with ease and professionalism.

1800330H/LPDH	♣AIR FORCE - AEROSPACE SCIENCE 4: HONORS LEADERSHIP DEVELOPMENT	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Aerospace Science 3/Teacher Recommendation Permission of Instructor/Contract Required
Type of Credit:	Elective	

This honors course offers extensive experience in Aerospace Science. In addition to fulfilling all requirements of Aerospace Science 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	ARMY - ROTC	
	Course Number	Course Name
	1801300/LQA	♣Leadership Education & Training 1
	1801310/LQB	♣Leadership Education & Training 2
	1801320/LQC	Leadership Education & Training 3
	1801320H/LQCH	Leadership Education & Training 3 HONORS
	1801330/LQD	Leadership Education & Training 4
	1801330H/LQDH	Leadership Education & Training 4 HONORS

♣The JROTC courses coupled below meet the high school graduation fine arts requirement:

Air Force Leadership 1 and Air Force Leadership 2

OR

Air Force Aerospace Science 1 and Air Force Aerospace Science 2

OR

Army Leadership Education and Training 1 and Army Leadership Education and Training 2

1801300/LQA	♣ARMY - LEADERSHIP EDUCATION AND TRAINING 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
Type of Credit:	Elective	

The purpose of this course is to enable students to develop knowledge of the history, customs, traditions, and purpose of the Army JROTC. The course includes development of basic leadership skills including leadership principles, values, and attributes. Students should master appreciation for diversity. Active learning strategies are integrated throughout the course with an emphasis on writing skills and oral communication techniques. Financial planning as well as physical fitness, diet, nutrition, healthy lifestyles, awareness of substance abuse and prevention, and basic first aid measures is included. An overview of the globe and geography and basic map reading skills are incorporated. A study of the United States Constitution, Bill of Rights, responsibilities of United States citizens, and the federal justice system is also provided.

1801310/LQB	♣ARMY - LEADERSHIP EDUCATION AND TRAINING 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Leadership Education/Training 1/Teacher Recommendation
Type of Credit:	Elective, Physical Education (with waiver & Leadership 1), Fine Arts (with waiver & Leadership 1)	

The purpose of this course is to enable students to expand on skills taught in Leadership Education and Training 1. This course introduces the concepts of equal opportunity, fair treatment of minorities, and prevention of sexual harassment. It provides instruction of leadership skills, leadership theories, as well as the basic principles of management. It provides self-assessments that help students determine their skill sets and opportunities to teach using accepted principles and methods of instruction. It emphasizes community projects to assist in drug prevention efforts. It also includes dietary guidelines, fitness, and map-reading and orienteering skills. It discusses the significant events that helped shape and develop the Constitution and government and teachers the role of political parties in the election process.

1801320/LQC	♣ARMY - LEADERSHIP EDUCATION AND TRAINING 3
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Offered:	Grade 11, 12
Credit:	1.0
Length:	Year
Prerequisite:	Leadership Education/Training 2/Teacher Recommendation
Type of Credit:	Elective

The purpose of this course is to enable students to expand on the skills taught in Leadership Education and Training 2. This course allows cadets to investigate the interrelationships of the services while they continue to build their leadership development and decision-making skills. It includes negotiation skills and management principles. It emphasizes staff procedures and opportunities to handle various leadership situations as well as prevent violence and manage anger. The research, identification, planning, and execution of service learning activities are included. This course gives cadets the opportunity to apply basic concepts of strategies for career exploration and planning. It teaches how to create a career portfolio and plan for college or work. Financial management principles are studied. Skills for orienteering and/or land navigation are developed. The course also includes studies in the federal judicial system and how historical events have shaped social systems.

1801320H/LQCH	♣ARMY - LEADERSHIP EDUCATION AND TRAINING 3 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Leadership Education/Training 2/Teacher Recommendation Permission of Instructor/Contract Required
Type of Credit:	Elective	

This honors course offers extensive experience in Leadership Education. In addition to fulfilling all requirements of Leadership Education and Training 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

1801330/LQD	♣ARMY - LEADERSHIP EDUCATION AND TRAINING 4	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Leadership Education/Training 3/Teacher Recommendation
Type of Credit:	Elective	

The purpose of this course is to enable students to expand on the skills taught in Leadership Education and Training 3. This course focuses on creating a positive leadership situation, negotiation, decision making, problem solving, team development, project management, and mentoring. Students will demonstrate leadership potential in an assigned command or staff position within the cadet battalion organizational structure. The course teaches cadets how to use emotional intelligence in leadership situations as well as how to maintain a positive attitude. It provides instruction on etiquette, daily planning, financial planning, and careers. It includes requirements for the practical application of leadership duties. It emphasizes physical fitness through healthy individual and group competition. The interactions between groups of people and how they affect the area's cultural, economic, and political characteristics are discussed. Concepts of democracy and freedom and their influence On the United States are discussed.

1801330H/LQDH	♣ARMY - LEADERSHIP EDUCATION AND TRAINING 4 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Leadership Education/Training 3/Teacher Recommendation/ Permission of Instructor/Contract Required
Type of Credit:	Elective	

This honors course offers extensive experience in Leadership Education. In addition to fulfilling all requirements of Leadership Education and Training 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

SCIENCE

Students are required to earn 3 science credits to graduate. In order to earn a standard diploma, students are required to take one credit in Biology, one credit in Earth Space or Physical Science or Chemistry or Physics and one additional science course. In addition, students are required to take the Biology EOC Exam which will count for 30% of their grade in order to graduate high school. Students who are preparing for the Scholar Designation are required to take 3 credits in science which include: one credit in Biology, one credit in Physics or Chemistry and one credit in an equally rigorous (EQ) science course. In addition, the Scholar Designation requires students to pass the Biology EOC Exam. All students are strongly recommended to take a fourth science.

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of all science courses. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data everyweek.

☆2000310/MMB	BIOLOGY 1	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Science (BI)

This course provides students with exploratory activities, laboratory experiences and real-life applications in the biological sciences. The content includes the following concepts: nature of science, matter, energy, chemical processes of life, reproduction and communication of cells, basic study of genetics, organization, classification and taxonomy, structure, reproduction and function of plants, animals, and microorganisms, interdependence of living things, adaptations, and the impact of technology on society. Preserved animal studies may be a part of this course. **All students are required to pass Biology 1. The Biology End of Course Exam will account for 30% of the final grade. Students working towards the Scholar Designation must pass the Biology EOC.**

☆2000320/MMC	BIOLOGY 1 HONORS	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
	Type of Credit:	Science (BI)

This advanced course provides integrated laboratory experiences and real-life applications in the essential processes of life. The content includes the nature of science, matter, energy, biochemistry, cell biology, genetics, levels of organization and classification, structure, function and reproduction of plants, animals, and microorganisms, behavior of organisms, interrelationships among organisms, biological selection, adaptations and changes through time. Students entering this course in 9TH grade should have earned a 3 or higher on the 8TH grade Florida Statewide Science Assessment. Laboratory investigations will include the use of the scientific process, measurement, observations, predictions, reasoning and problem-solving skills. Preserved animal studies may be a part of this course. **All students are required to pass Biology 1. The Biology End of Course Exam will account for 30% of the final grade. Students working towards the Scholar Designation must pass the Biology EOC.**

☆2000330/MMD	BIOLOGY 2 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1 or Biology 1 Honors/Teacher Recommendation
	Type of Credit:	EQ Science

This course builds upon the study of biological concepts introduced in Biology 1 or Biology 1 Honors. The content contains the practice of science, energy, interdependence, matter and energy transformations, organization and development of living organisms, heredity and reproduction. Laboratory investigations include the scientific process, measurement, laboratory apparatus, and safety. Preserved animal studies may be a part of this course.

☆2000340/MME	ADVANCED PLACEMENT BIOLOGY	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1 Honors, Chemistry and Algebra 2/FSA Reading and Math Level 3 or higher/Teacher Recommendation Recommendation: Block with Biology 2
	Type of Credit:	EQ Science

This college-level course seeks to prepare the student for credit and/or appropriate placement in college biology courses. The content is organized in the following 4 Big Ideas: Evolution, Cellular Processes, Genetics and Information Transfer and Interactions. Twenty five percent of instructional time is devoted to lab investigations which include two investigations per big idea. Lab investigations are student- directed and inquiry based. Preserved animal studies may be a part of this course.

☆2000350/MMF	ANATOMY AND PHYSIOLOGY	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1
	Type of Credit:	EQ Science

This course provides exploratory activities in the structure and function of the human body. The content includes anatomical terminology, cells and tissues, special sensory organs, major body systems, homeostasis, and human disorders. Selected laboratory investigations include the use of the scientific process, measurement, laboratory apparatus, and safety. Preserved animal studies may be a part of the laboratory experience.

☆2000360/MMG	ANATOMY AND PHYSIOLOGY HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1 or Biology 1 Honors
	Type of Credit:	EQ Science

This advanced course provides exploratory activities in the structure and function of the components of the human body. The content includes anatomical terminology, cellular biology, histology, homeostasis, immune response, organization and interrelatedness of major body systems, sensory function, and human disorders. Laboratory investigations focus on the use of the scientific process, measurement, laboratory apparatus, and safety. Preserved animal studies may be a part of the laboratory experience.

☆2001340/MNE	ENVIRONMENTAL SCIENCE	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	EQ Science

This course provides a study of man's interaction with the environment. The content includes forms of pollution, conservation, environmental planning and policy, public land usages, population dynamics, and major forms of energy. Laboratory investigations include the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2001341/MNH	ENVIRONMENTAL SCIENCE HONORS	
	Offered:	Grade 9, 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1
	Type of Credit:	EQ Science

This course is designed as an interdisciplinary course to provide students with scientific principles, concepts, and methodologies required to identify and analyze environmental problems and to evaluate rises and alternative solutions for resolving and/or preventing them. Students entering this course in 9TH grade should have earned a 3 or higher on the 8TH grade Florida Statewide Science Assessment. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course.

☆2001380/MNS	ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1 Honors/Teacher Recommendation/ Recommendation: Block with Research 1, 2, 3, 4
	Type of Credit:	EQ Science

The purpose of this course is to study the interaction of man with the environment. The content includes scientific analysis, fundamental principles and concepts about the interdependence of earth's systems, population dynamics, environmental quality, global changes and their consequences. Laboratory investigation of selected topics includes the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2002500/MPA	MARINE SCIENCE 1	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1
	Type of Credit:	EQ Science

The purpose of this course is to provide an overview of the marine environment. The content includes the nature of science, the origins of the oceans, the chemical and physical structure of the marine environment, ecology of the various sea zones, marine communities, and the interrelationship between man and the ocean. Laboratory investigations will include the use of the scientific process, measurement, laboratory apparatus and safety procedures. Preserved specimens may be a part of this course.

☆2002510/MPB	MARINE SCIENCE 1 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1 or Biology 1 Honors
	Type of Credit:	EQ Science

This advanced course provides an in-depth study of the physical, chemical, and biological aspects of the marine environment. The content includes the origins of the oceans, marine geological studies, ecology of the sea zones, diversity of marine organisms, characteristics of the major marine ecosystems including the phyla and divisions, and the interrelationship between man and the ocean. Laboratory investigations will include the use of the scientific process, measurement, laboratory apparatus and safety procedures. Preserved specimens may be a part of this course.

☆2002530/MPD	MARINE SCIENCE 2 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Marine Science 1 Honors/Teacher Recommendation
	Type of Credit:	EQ Science

This advanced course is an extension of Marine Science 1 Honors. This course was designed to challenge students who have taken Marine Science 1 Honors through advanced applications and inquiry of the following areas: practice of science, earth systems and patterns, energy, interdependence, and matter and energy transformations. Laboratory investigations will include the use of the scientific process, measurement, laboratory apparatus and safety procedures. Preserved specimens may be a part of this course.

☆2001310/MNB	EARTH-SPACE SCIENCE	
	Offered:	Grade 9, 10 ,11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	EQ Science

This course provides a study of the interaction and organization of matter and energy in the solar system and the universe, and how this affects life on Earth. The content includes theories for the formation of the universe and solar system, formation of rocks, land forms, plate tectonics, fresh water and marine systems, meteorology, geologic time and renewable/non-renewable energy sources. Selected laboratory investigations include the use of scientific process, measurement, laboratory apparatus, and safety and are an integral part of this course.

☆2001320/MNC	EARTH-SPACE SCIENCE HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation
	Type of Credit:	EQ Science

This advanced course provides laboratories and opportunities to develop concepts basic to the earth, its materials, processes, history and the environment in space. Students are involved in comparing, contrasting, describing and analyzing various aspects of our earth and space. Topics include origins of the universe and solar system, life cycles of stars, earth and moon systems, the U.S. Space program, rock and land forms, oceanography, and weather. Investigations include the use of the scientific process, measurement, apparatus and safety and are integral to the course. Students entering this course in 9TH grade should have earned a 3 or higher on the 8TH grade Florida Statewide Science Assessment.

☆2020910/MNG	ASTRONOMY SOLAR/GALACTIC HONORS	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Geometry or Teacher Recommendation
	Type of Credit:	EQ Science

This advanced course provides an in-depth study of the universe and the conditions, properties and motions of bodies in space. The content includes nature of science, universe and solar system, development cycle of stars, earth-moon system, space exploration, historical astronomy, astronomical instruments, the sun as a representative star and astronomical coordinate systems. Selected laboratory investigations include the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2003310/MOB	PHYSICAL SCIENCE	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	EQ Science

The purpose of this course is to provide opportunities to study the concepts of basic chemistry, physics and earth science. The content will include, but is not limited to the following: the nature of science, structure of the atom, structure and properties of matter, chemical reactions, entropy and conservation of matter, interactions of energy and matter, the universe and planet Earth. Laboratory activities are an integral part of this course.

☆2003340/MOE	CHEMISTRY 1	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1
	Type of Credit:	EQ Science

This course involves the study of the composition, properties, and changes associated with matter. The content includes the classification and structure of matter, atomic theory, periodic table, bonding, chemical formulas, chemical reactions and balanced equations, behavior of gases, and physical changes. Selected laboratory investigations include the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2003350/MOF	CHEMISTRY 1 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1/Teacher Recommendation
	Type of Credit:	EQ Science

This advanced course involves the study of the composition, properties and changes of matter, atomic structure, the periodic table, bonding, gas laws, energy and order, reaction rates and equilibrium, solutions, nuclear, electric, and organic chemistry. Selected laboratory activities include the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2003360/MOG	CHEMISTRY 2 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Geometry 1/Chemistry 1/or Chemistry 1 Honors/ Teacher Recommendation
	Type of Credit:	EQ Science

This course expands and applies chemical concepts introduced in Chemistry 1/Chemistry 1 Honors. The content includes pH and ionic equilibrium, kinetics and thermodynamics, nuclear chemistry, organic and biochemistry, and descriptive, inorganic chemistry. Selected laboratory investigations include the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2003370/MOH	ADVANCED PLACEMENT CHEMISTRY	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Chemistry 1 Honors/or Chemistry 2/and Algebra 2 Honors/Teacher Recommendation Recommendation: Block with Chemistry 2
	Type of Credit:	EQ Science

This college-level course in chemistry seeks to prepare the student for credit and/or appropriate placement in college chemistry courses. The content includes the structure and states of matter, chemical reactions, and descriptive chemistry. Selected laboratory investigations include the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2003380/MOI	PHYSICS 1	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1
	Type of Credit:	EQ Science

This course provides a foundation of the concepts, theories and laws governing the interaction of matter, energy and the forces of nature. The content includes kinematics, dynamics, energy, work and power, heat and thermodynamics, waves, light, electricity, magnetism, nuclear physics, and sound. Laboratory investigations of selected topics include the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2003390/MOJ	PHYSICS 1 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1/Teacher Recommendation
	Type of Credit:	EQ Science

This advanced course provides a rigorous study of the concepts, theories and laws governing the interaction of matter, energy, and the forces of nature. The content includes kinematics, dynamics, energy, work and power, heat and thermodynamics, waves, light, electricity, magnetism, nuclear physics, and sound. Laboratory investigations of selected topics include the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2003410/MOL	PHYSICS 2 HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Physics 1 or Physics Honors EQ
	Type of Credit:	Science

This course expands the study of physical concepts introduced in Physics 1. The content includes astrophysics, relativity, fluid dynamics, laws of thermodynamics, Kirchhoff's Laws, magnetic fields, electromagnetic induction, and quantum mechanics. Laboratory investigations of selected topics include the use of the scientific process, measurement, laboratory apparatus, and safety.

☆2003430/MOX	ADVANCED PLACEMENT PHYSICS C: MECHANICS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Physics 1 Honors/Calculus/Teacher Recommendation/ Recommendation: Block with Research 1, 2, 3, 4
	Type of Credit:	EQ Science

There are two AP Physics C courses which each correspond to approximately a semester of college work. Physics C: Mechanics should provide instruction in each of the following six content areas: kinematics, Newton's laws of motion, work, energy and power, systems of particles and linear momentum, circular motion and rotation and oscillations and gravitation. This course includes a laboratory component comparable to introductory college-level physics laboratories, with a minimum of 20 percent of instruction is focused on laboratory investigations representing a variety of topics covered in this course.

☆2003425/MOU	ADVANCED PLACEMENT PHYSICS C: ELECTRICITY AND MAGNETISM	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Physics 1 Honors/Calculus/Teacher Recommendation/ Recommendation: Block with Research 1, 2, 3, 4
	Type of Credit:	EQ Science

There are two AP Physics C courses which each correspond to approximately a semester of college work. Physics C: Electricity and Magnetism should provide instruction in each of the following five content areas: electrostatics, conductors, capacitors and dielectrics, electric circuits, magnetic fields and electromagnetism. This course includes a laboratory component comparable to introductory college-level physics laboratories, with a minimum of 20 percent of instruction is focused on laboratory investigations representing a variety of topics covered in this course.

☆2003421/MOY	AP PHYSICS 1	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Physics Honors/Algebra 2/Teacher Recommendation
	Type of Credit:	EQ Science

This college-level course in physics seeks to prepare the student for credit and/or appropriate placement in a college physics course. AP Physics 1 is algebra-based and is the equivalent to equivalent to a first- semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Twenty-five percent of this course will focus on inquiry investigations. These investigations foster student engagement in the practice of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting, where they direct and monitor their progress toward an academic goal.

☆2003422/MOZ	AP PHYSICS 2	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	AP Physics 2/Algebra 2/Teacher Recommendation
	Type of Credit:	EQ Science

This college-level course in physics seeks to prepare the student for credit and/or appropriate placement in a college physics course. AP Physics 2 is algebra-based and is the equivalent to a semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Twenty-five percent of this course will focus on inquiry investigations. These investigations foster student engagement in the practice of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting, where they direct and monitor their progress toward an academic goal.

2003600/MOT	PRINCIPLES OF TECHNOLOGY 1	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Applied Math 1/or Algebra 1/Special Note: Career Academies Only/ Permission must be obtained from the District Science Office and High School Services before it can be added as a course offering.
	Type of Credit:	EQ Science

This two-year technical physics program prepares students for a technological world. Principles of Technology use hands-on laboratory activities to apply physics concepts to the world of work. Units of study deal with principles in the four energy systems (mechanical, fluid, thermal and electrical), including: force, work, rate, power, resistance, and energy. Laboratory investigations, scientific process, measurement and safety are integral to this course.

☆ 2003610/MOR	PRINCIPLES OF TECHNOLOGY 2	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Technology 1/Special Note: Career Academies Only/ Permission must be obtained from the District Science Office and High School Services before it can be added as a course offering.
	Type of Credit:	EQ Science

This purpose of this course is to expand the physics concepts in Principles of Technology 1 through the study of technical applications. The four energy systems (mechanical, fluid, electrical, and thermal) will be studied concurrently through the application of the principles of momentum, waves and vibrations, energy converters, transducers, radiation and time constants. Analogies will be drawn among the four energy systems to obtain a better understanding of how each principle functions within a particular energy system. Emphasis will be placed on laboratory investigations and problem-solving activities.

☆ 2002330/MNL	SPACE TECHNOLOGY AND ENGINEERING	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Technology 1 and 2/Special Note: This course is for Engineering Academies only/ Permission must be obtained from District Science Office and High School Services before it can be added as a course offering.
	Type of Credit:	Science

The purpose of this course is to study the complexity of technological problems and some of the methods used to solve them. Engineering concepts, computer technology, and other technological advances will be used as examples to foster understanding of these problems. This course will delve further into the concepts presented in Principles of Technology 1 and 2. In addition, all students enrolled in the third-year engineering program are required to complete a capstone-engineering project.

☆2000440/MMS	GENETICS HONORS	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1 Honors and Chemistry 1 Honors
	Type of Credit:	EQ Science

The purpose of this course is to provide high-level experiences with laboratory and real-life applications in the study of genetics. Content will include, but not be limited to, the following: the nature of science, matter, energy, genetic basis of reproduction, communication of cells, genetic principles, molecular basis of genetics, genetic diversity, bio-technology in the areas of genetics, levels of organization, classification, taxonomy, structure and function of various organisms used as genetic models, biological selection, variations, adaptations, changes through time, application of bio-technologies in agricultural, food and medical careers, and bio-ethics. Laboratory experiences are integral to this course.

☆2000410/MML	ZOOLOGY	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1
	Type of Credit:	Elective

Zoology is the study of animals with and without backbones, from worms, insects, and mollusks to fish, birds, and mammals. In this class, you will compare and contrast different animals and how they are classified according to their structures, the chemical makeup of its body to its cells and organs and how they have adapted over time. Laboratory investigations include the use of the scientific process, measurement, laboratory apparatus, and safety. Dissections may be part of this course.

☆2000315/MMP	BIOLOGY 1 FOR CREDIT RECOVERY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Failed Biology
	Type of Credit:	Elective

Credit Recovery courses are credit bearing courses with specific content requirements defined by Next Generation Sunshine State Standards and/or Common Core State Standards. Students enrolled in a Credit Recovery course must have previously attempted the corresponding course (and/or End-of-Course assessment) since the course requirements for the Credit Recovery course is exactly the same as the previously attempted corresponding course. Recovery courses are not bound by [Section 1003.436\(1\)\(a\), Florida Statutes](#), requiring a minimum of 135 hours of bona fide instruction (120 hours in a school/district implementing block scheduling) in a designed course of study that contains student performance standards, since the students have previously attempted successful completion of the corresponding course. Additionally, Credit Recovery courses should ONLY be used for credit recovery, grade forgiveness, or remediation for students needing to prepare for an End-of-Course assessment retake.

NOTE: This course does not meet NCAA requirements.

SOCIAL STUDIES

2109330/NXD	AFRICAN HISTORY	
	Offered:	Grade 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	World History
	Type of Credit:	Elective

This course provides an understanding of the history and culture of African civilization with special emphasis on the backgrounds for Africa nations' contemporary problems and potentials. Content will include the unique geography of Africa, the rise of various African civilizations, the development and impact of religious thought, the evolution of political systems, economic systems, and philosophies, European colonialism, and the influence of major historical figures.

2100340/NNA	AFRICAN-AMERICAN HISTORY	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	World History
	Type of Credit:	Elective

In this course students will gain an understanding of the development of African American heritage within the context of a broad historical focus. Content should include, but not be limited to, the Diasporas of Africans throughout the world, the system and impact of slavery, migration to the United States, the development of African American culture throughout different periods in U.S. History, and significant turning points and trends in the development of African American culture and institutions.

2102335/NNQ	ECONOMICS WITH FINANCIAL LITERACY	
	Offered:	Grade 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Required for Graduation

This course will provide students with knowledge of the fundamentals of both macro and micro economics in order to promote economic and financial literacy. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the roll and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

☆2102345/NNR	ECONOMICS WITH FINANCIAL LITERACY HONORS	
	Offered:	Grade 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Required for Graduation

This course will provide students with knowledge of the fundamentals of both macro and micro economics in order to promote economic and financial literacy. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the roll and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle.

Honors courses offer scaffolded learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Students will develop and demonstrate their skills through participation in a capstone and/or extended research-based paper/project (e.g., Social Studies fair, participatory citizenship project, projects for competitive evaluation, investment portfolio contests, or other teacher-directed projects).

2106370/NUH	COMPREHENSIVE LAW STUDIES	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

This course will provide an in-depth approach to examine the working of our criminal and civil justice systems. The content will include, but not be limited to opportunities for students to conduct legal research and to participate in mock trials and law-related projects. This course should emphasize real-life problems and case studies. Career opportunities in consumer and criminal law enforcement will be described and evaluated.

2109350/NXF	CONTEMPORARY HISTORY	
	Offered:	Grade 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	World History
	Type of Credit:	Elective

This course provides an understanding of the development of the contemporary world through an investigation of the significant events and trends which have occurred during the recent past. While the course will deal primarily with twentieth century history, emphasis will be on the past two decades to assist students with understanding events occurring during their lifetime. Content will include historical antecedents of contemporary political, social, economic, and religious problems; competing goals of the world's political and economic systems; the influence of major historical and contemporary figures; and the projection of current trends into the near future.

2109430/NYG	HOLOCAUST	
	Offered:	Grade 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to examine the concept of genocide through the lens of the most documented example in history of a systematic and deliberate attempt by one group of humans to annihilate another. Students will learn the causes, course, and consequences of the Holocaust in addition to the study of other genocidal events, before and after (e.g. Armenia, Rwanda).

☆0900320/FMC	HUMANITIES 1 (Humanities to 1500)	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

This course examines the world from the earliest civilizations through the Renaissance age. The content will include an interdisciplinary approach through which students will formulate their own personal values and express their understanding of painting, sculpture, architecture, music, dance, literature, drama, philosophy, history, and religion. Skills in viewing, listening, speaking, reading, writing, performing, and creating will be practiced and incorporated in the course of study.

☆0900320/FMC	HUMANITIES 2 HONORS (Since 1500)	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Humanities 1
	Type of Credit:	Elective

This course examines man's creative efforts and his world from the Post-Renaissance through the contemporary period. The content will include providing opportunities for students to explore, analyze, synthesize and respond in a variety of ways to cultural traditions. These ways include viewing, listening, speaking, reading, writing, performing and creating. Students should gain an appreciation for, and an understanding of, themselves and their world through an interdisciplinary approach involving the study of painting, sculpture, architecture, music, dance, drama, history, literature, philosophy, and religion.

2106350/NUF	LAW STUDIES	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

This course provides an understanding of the American legal process. Content will include historical antecedents for law, constitutional guarantees, different kinds of laws, adult and juvenile justice systems, the value of law in society, the role of law enforcement officials, the importance of the adversarial relationship, social values and their impact on interpretations of the law, and the supremacy of the Constitution.

2107300/NVA	PSYCHOLOGY 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

This course provides an understanding of human behavior, behavioral interaction, and the development of individuals. Content will include the theories and methods of study employed by psychologists, human growth and development, self-concept development, adjustment, memory, personality and behavior, emotion and frustration, abnormal behavior, conformity, autonomy, alienation, stress, mental health, and therapy.

2107310/NVB	PSYCHOLOGY 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Psychology 1
	Type of Credit:	Elective

The purpose of this course is to allow students to expand their awareness of areas of psychology. The content should include statistical research/memory and thought, sensation and perception, motivation and emotion, sleep and dreams, stress and conflict, adjustment in society and human interaction.

2108300/NWA	SOCIOLOGY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

This course provides an understanding of group interaction and its impact on individuals. Content will include the methods of study employed by sociologists; social institutions and norms; relationships between the sexes; racial and ethnic groups; the handicapped; societal determinants; group behavior; the socialization process; social classes, deviation, conflict, roles, stratification, and participation; and social organizations and institutions.

2106310/NNN	UNITED STATES GOVERNMENT	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Required for Graduation

This course provides students the opportunity to examine their own political behaviors, analyze the dynamics of political issues and practice decision-making skills. Content will include the nature of political behavior, power acquisition, maintenance and extension; political theorists; comparative political systems; sources, structure and function of American Government; roles of political parties, interest groups and citizens; role of women and diverse cultural groups in the development of our political system.

☆ 2106320/NNS	UNITED STATES GOVERNMENT HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Required for Graduation

This course provides a comprehensive understanding of American government and political behavior. Content will include an evaluation of those documents which shape our political traditions (the Declaration of Independence, the Constitution, and the bill of Rights); the roles and changing nature of political parties and interest groups; the changing nature of citizen rights and responsibilities in a democratic state; and the importance of civic participation in the democratic political process. Honors courses offer scaffolded learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Students will develop and demonstrate their skills through participation in a capstone and/or extended research-based paper/project (e.g. Social Studies fair, participatory citizenship project, projects for competitive evaluation, investment portfolio contests, or other teacher-directed projects).

2100310/NMB	UNITED STATES HISTORY	
	Offered:	Grade 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Required for Graduation

The grade 9-12 United States History course consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from the Civil War and Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction.

For students entering 9th grade in 2012-2013, thirty percent of their final grade will be based on the state History End of Course Exam. Students will be required to take the exam in order to be awarded credit.

☆ 2100320/NMC	UNITED STATES HISTORY HONORS	
	Offered:	Grade 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Required for Graduation

The grade 9-12 United States History course consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from the Civil War and Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction. Honors courses offer scaffolded learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Students will develop and demonstrate their skills through participation in a capstone and/or extended research-based paper/project (e.g. Social Studies fair, projects for competitive evaluation, or other teacher-directed projects).

For students entering 9th grade in 2012-2013, thirty percent of their final grade will be based on the state U.S. History End of Course Exam. Students will be required to take the exam in order to be awarded credit.

2103300/NRA	WORLD CULTURAL GEOGRAPHY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

Students in this course will use geographical concepts and skills to acquire information and systematically apply decision-making processes to real-life situations. They will acquire an understanding of interrelationships between people and their environments. Content will include study of world cultural regions in terms of location, physical characteristics, demographics, historical change and continuity, economic activity, and land use.

2109310/NXB	WORLD HISTORY	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Required for Graduation

This course provides an understanding of the development of civilization by examining the cultural, dynastic, economic, military, political, religious, scientific, and social events that have affected humanity. Content to be covered will include the rise of civilization and cultural universals, the development of religious thought, the evolution of political systems, nationalism, the origin of economic systems and philosophies, the influence of major historical figures and events, and contemporary world affairs.

☆ 2109320/NXC	WORLD HISTORY HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Required for Graduation

This course provides a comprehensive understanding of the past in terms of the development of humanity. This is done by analyzing the cultural, dynastic, economic, military, political, religious, scientific, and social events that have shaped and molded humanity. Content will include geo-historic development; comparative views of history; the origin and development of contrasting civilizations, political theories and philosophies; an analysis of cultural universals; the diversity of economic thought and practices; the influence of major figures and events; and interpretations concerning the historical development of our contemporary world affairs. Honors courses offer scaffolded learning opportunities for students to develop the critical skills of analysis, synthesis, and evaluation in a more rigorous and reflective academic setting. Students are empowered to perform at higher levels as they engage in the following: analyzing historical documents and supplementary readings, working in the context of thematically categorized information, becoming proficient in note-taking, participating in Socratic seminars/discussions, emphasizing free-response and document-based writing, contrasting opposing viewpoints, solving problems, etc. Students will develop and demonstrate their skills through participation in a capstone and/or extended research-based paper/project (e.g. Social Studies fair, projects for competitive evaluation, or other teacher-directed projects)

☆ 2106430/NUM	ADVANCED PLACEMENT COMPARATIVE GOVERNMENT AND POLITICS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Honors or AP Social Studies Courses or Teacher Recommendation
	Type of Credit:	Elective

Advanced Placement courses require students to successfully perform college-level academic work, including many extensive reading and writing assignments. The AP course in Comparative Government and Politics introduces students to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. The course aims to illustrate the diversity of political life, to show available institutional alternatives, to explain differences in processes and policy outcomes, and to communicate to students the importance of global political and economic changes. Student will take the corresponding AP exam.

☆2109380/NYB	ADVANCED PLACEMENT EUROPEAN HISTORY	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	World History Honors/AP U.S. History/Teacher Recommendation
	Type of Credit:	Elective

Advanced Placement courses require students to successfully perform college-level academic work, including many extensive reading and writing assignments. This course provides the analytic skills and factual knowledge necessary to deal critically with European historic development. Higher order thinking skills will be emphasized. Content will include the origin and development of European culture and institutions; the rise of the European state system; the impact of religious thought and ideals; the evolution of political systems, economic systems, and philosophies; the relationship between technological change and societal reaction; nationalism; and the future of the European continent based on contemporary trends. Content will follow the current Advanced Placement course requirements for European History. Students will take the corresponding AP exam.

☆2103400/NRS	ADVANCED PLACEMENT HUMAN GEOGRAPHY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Adv. U.S. History/(M/J)/or Honors World History/ Teacher Recommendation
	Type of Credit:	Elective

This course will introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students will employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Students will take the corresponding AP exam.

☆2102360/NQH	ADVANCED PLACEMENT MICROECONOMICS	
	Offered:	Grade 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Honors/or AP Social Studies Courses/Teacher Recommendation
	Type of Credit:	Meets Graduation Requirement for Economics

Advanced Placement courses require students to successfully perform college-level academic work, including many extensive reading and writing assignments. This course provides students with the opportunity to analyze the behavior of individual households, firms, markets, and how prices and outputs are determined in those markets, and how the price mechanism allocates resources and distributes income. Specific content to be covered will include an understanding of fundamental economic concepts including scarcity, opportunity costs and trade-offs, productivity, economic systems and institutions, and exchange, money, and interdependence. Financial Literacy components required by Section 1003.4282, Florida Statutes, have been integrated into this course. Students will take the corresponding AP exam. **Financial Literacy components required by Section 1003.4282, Florida Statutes, are integrated into this course.**

☆2102370/NQI	ADVANCED PLACEMENT MACROECONOMICS	
	Offered:	Grade 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Honors/or AP Social Studies Courses/Teacher Recommendation
Type of Credit:	Meets Graduation Requirement for Economics	

Advanced Placement courses require students to successfully perform college-level academic work, including many extensive reading and writing assignments. This course provides students with the opportunity to analyze the functioning of the economy as a whole, including total output and income, level of employment, the level of prices, and the determinants of aggregate supply and demand. Specific content to be covered will include an understanding of fundamental economic concepts including scarcity, opportunity costs and trade-offs, productivity, economic systems and institutions, exchange, money and interdependence. Financial Literacy components required by Section 1003.4282, Florida Statutes, have been integrated into this course. Students will take the corresponding AP exam. **Financial Literacy components required by Section 1003.4282, Florida Statutes, are integrated into this course.**

☆2107350/NVC	ADVANCED PLACEMENT PSYCHOLOGY	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Psych 1/and Bio 1 or Teacher Recommendation
Type of Credit:	Elective	

Advanced Placement courses require students to successfully perform college-level academic work, including many extensive reading and writing assignments. This course provides a systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles and phenomena associated with each of the major sub- fields within psychology. They also learn about the methods psychologists used in their science and practice. The content should include, but not be limited to the following: methods, biological basis of behavior, sensation and perception, stated on consciousness, learning cognition, motivation emotion, developmental psychology, personality, testing and individual differences, abnormal psychology, treatment of psychological disorders and social psychology. Students will take the corresponding AP exam.

☆2106420/NUL	ADVANCED PLACEMENT U.S. GOVERNMENT AND POLITICS	
	Offered:	Grade 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Honors or AP Social Studies Courses or Teacher Recommendation
Type of Credit:	Meets Graduation Requirement for U.S. Government	

Advanced Placement courses require students to successfully perform college-level academic work, including many extensive reading and writing assignments. The purpose of this course is to give students a critical perspective on politics and government in the United States. This course involves both the study of general concepts used to interpret American politics and the analysis of specific case studies. It also requires familiarity with the various institutions, groups, beliefs, and ideas that make up the American political reality. Specific content to be covered will include an understanding of federalism and the separation of powers, the development of the constitution, the process of politics, the nature of public opinion, the role of political parties and interest groups, the major formal and informal institutional arrangement of powers, and the development of civil liberties and civil rights. Students will take the corresponding AP exam. Financial Literacy Components require by Section 1003.4282, Florida Statutes, are integrated into this course.

☆2100330/NMD	ADVANCED PLACEMENT U.S. HISTORY	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Honors/or AP Social Studies Courses/Teacher Recommendation
	Type of Credit:	Meets Graduation Requirement for U.S. History

Advanced Placement courses require students to successfully perform college-level academic work, including many extensive reading and writing assignments. This course provides the analytical skills and factual knowledge necessary to deal critically with the problems, content, and materials of American historic development. Higher order thinking skills such as evaluating, analyzing, and problem solving will be emphasized. Content will include the development of American culture and institutions as well as ideals and characteristics; enlightened thinking and the socioeconomic and political forces and compromises that formed the Constitution, the Bill of Rights, and the Declaration of Independence; changing interpretations of the Constitution, and individual rights; sectionalism as a change force; the relationship between technological change and societal reaction; the variety of changing American lifestyles; changes in American foreign policy; the capitalistic free enterprise economic system; and the future of our nation based on current trends. Students will take the corresponding AP exam.

☆2109420/NYC	ADVANCED PLACEMENT WORLD HISTORY	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Adv. U.S. History (M/J) or Honors World History/Teacher Recommendation (AP Human Geography recommended)
	Type of Credit:	Meets Graduation Requirement for World History

This course will provide students with an understanding of the major developments of civilizations in Africa, the Americas, Asia, and Europe. Six overarching themes will be followed: the patterns and impacts of interaction among societies, the relationship of change and continuity across the historical periods, the impact of technology and demography on people and the environment, systems of social structure among societies, cultural and intellectual developments, and changes in functions and structures of states and in attitudes toward states and political identities, including emergence of the nation-state. Students will take the corresponding AP exam.

STUDY HALL

2200300/NZA	STUDY HALL 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	None

THIS IS A NON-CREDIT COURSE. **NO FTE EARNED.** Its use is discouraged.

2200310/NZB	STUDY HALL 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	None

THIS IS A NON-CREDIT COURSE. **NO FTE EARNED.** Its use is discouraged.

2200320/NZC	STUDY HALL 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	None

THIS IS A NON-CREDIT COURSE. **NO FTE EARNED.** Its use is discouraged.

2200330/NZD	STUDY HALL 4	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	None

THIS IS A NON-CREDIT COURSE. **NO FTE EARNED.** Its use is discouraged.

Special Note: These courses are to be used in conjunction with FLVS courses only. Those participating in these courses will also have an FLVS course on their schedule. The section number should have "FL" as the first two characters followed by a number/letter format used by the school for location identification purposes (ex. FL1C—FLVS course, first period, in the cafeteria).

TRAFFIC SAFETY/ DRIVER EDUCATION

1900310/LTB	DRIVER EDUCATION/TRAFFIC SAFETY CLASSROOM AND LABORATORY	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Approximately one semester
	Prerequisite:	None
	Type of Credit:	Elective

Content of the course will include a basic knowledge of driving skills, roadway and traffic tasks, and factors influencing driver performance and driver responsibilities. Students must be enrolled in a Volusia County public school, school of choice, private, or home-school program in order to register for this course. Students must be 15 years old and must have completed one full year of high school on or before the first day of the session. Students must have a Florida learner's permit before registering for this course.

ADDITIONAL COURSES

0500500/CUO	PERSONAL, CAREER, AND SCHOOL DEVELOPMENT SKILLS 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide students with an opportunity to experience success in school and enhance attitudes and behaviors towards learning, self, school and community. The content should include, but not be limited to, the following: knowledge of self and others, development of positive attitudes, relationships, peer pressure, individual responsibility, goal setting, time management, decision making, problem solving, leadership skills, life management skills, employability skills, and career planning.

Special Note: This course is not to be used in conjunction with office aide duty.

0500510/CUP	PERSONAL, CAREER, AND SCHOOL DEVELOPMENT SKILLS 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide students with an opportunity to experience success in school and enhance attitudes and behaviors towards learning, self, school and community. The content should include, but not be limited to, the following: knowledge of self and others, development of positive attitudes, relationships, peer pressure, individual responsibility, goal setting, time management, decision making, problem solving, leadership skills, life management skills, employability skills, and career planning.

Special Note: This course is not to be used in conjunction with office aide duty.

0500520/CUQ	PERSONAL, CAREER, AND SCHOOL DEVELOPMENT SKILLS 3	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide students with an opportunity to experience success in school and enhance attitudes and behaviors towards learning, self, school and community. The content should include, but not be limited to, the following: refining understandings in areas such as knowledge of self and others, development of positive attitudes, relationships, peer pressure, individual responsibility, goal setting, time management, decision making, problem solving, leadership skills, life management skills, employability skills, and career planning.

Special Note: This course is to be used in conjunction with office aide duty. Those participating in this course will earn a grade and credit for the course, and, as such, will have a curriculum with online modules to complete.

0500530/CUR	PERSONAL, CAREER, AND SCHOOL DEVELOPMENT SKILLS 4	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Elective	

The purpose of this course is to provide students with an opportunity to experience success in school and enhance attitudes and behaviors towards learning, self, school and community. The content should include, but not be limited to, the following: refining understandings in areas such as knowledge of self and others, development of positive attitudes, relationships, peer pressure, individual responsibility, goal setting, time management, decision making, problem solving, leadership skills, life management skills, employability skills, and career planning.

Special Note: This course is to be used in conjunction with office aide duty. Those participating in this course will earn a grade and credit for the course, and, as such, will have a curriculum with online modules to complete.

Office Aide Course Codes: The course codes are to be used in numeric order and cannot be used multiple times. The section number should have "OA" as the first two characters followed by a number/letter format used by the school for location identification purposes (ex. OA1C—Office Aide, first period, in the cafeteria).

2400300/OQA	LEADERSHIP SKILLS DEVELOPMENT AND TECHNIQUES	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Elective	

The purpose of this course is to teach leadership skills, parliamentary procedure, problem solving, decision making, communication skills, group dynamics, time and stress management, public speaking, human relations, public relations, team building, and other group processes. The content should include, but not be limited to, the following: study in self-understanding; development in such areas as goal setting, self-actualization, and assertiveness; and study of organizational theories and management.

Special Note: Although this course was associated with office aide duty in 2014-2015, it is not to be used for this purpose in 2015-2016.

2500500/OBO	NC TEMP INST PLACEMENT	
	Offered:	Grade 9, 10, 11, 12
	Credit:	0
	Length:	NC
	Prerequisite:	None
Type of Credit:	None	

This non-credit alternative education course is to be used only for master scheduling & FTE purposes. It is for students who have been temporarily placed in Alternative Education.

VOLUSIA VIRTUAL

This program meets the needs of students who learn productively on their own time, in their own space. VOL expands the variety of academic opportunities for Volusia County students and serves as one way to fulfill the **online graduation requirement** for Florida students. Students must successfully complete one virtual or blended course to receive a diploma. Students in grades 6-8 who successfully complete an online course for high school credit will fulfill the requirement.

Students can work online *any time, any place*.

VOL teachers are district employees who are highly qualified and fully certified. All course offerings are aligned to the Florida standards and district curriculum maps, ensuring quality and rigor.

High School Courses



English

- English 1-4
- English 1-4 Honors
- English for College Readiness



Foreign Language

- Spanish 1
- Spanish 2
- Spanish 3
- AP Spanish 4



Math

- Algebra 1a
- Algebra 1b
- Algebra 1 and 1 Honors
- Liberal Arts Math 1
- Liberal Arts Math 2
- Algebra 2 and 2 Honors
- Geometry and Geo Honors
- Math for College Readiness
- Analysis of Functions
- Trigonometry Honors
- Pre-calculus Honors



Health/Physical Education

- Personal Fitness
- Fitness Lifestyle Design



Electives

- Agriscience Foundations
- Career Research and Decision Making
- Driver's Education - **To get Permit Only**
- Introduction to Drama
- Law Studies
- Psychology 1
- Psychology 2
- AP Psychology
- Sociology
- Speech 1
- Speech 2
- Theater, Cinema and Film Production
- Veterinary Assisting I
- Veterinary Assisting II
- Creative Writing
- Environmental Science



Science

- Biology 1 and Bio Honors
- Earth Space Science and Honors
- Physical Science
- Chemistry
- Physics
- Marine Science



Social Studies

- Economics with Financial Literacy and Honors
- US Government and Honors
- US History and Honors
- World History and Honors
- AP Human Geography
- AP European History
- African American History

Middle School Courses



English

- Grade 6-8 Language Arts
- Grade 6-8 Language Arts Advanced



Math

- Grade 6-7 Math
- Grade 6-7 Math Advanced
- Grade 6 Math Honors
- Grade 8 Pre-Algebra
- Grade 8 Pre-Algebra Advanced



Science

- Grade 6-8 Comprehensive Science
- Grade 6-8 Comprehensive Science Advanced



Social Studies

- Grade 6 World History
- Grade 6 World History Advanced
- Grade 7 Civics
- Grade 7 Civics Advanced
- Grade 8 US History
- Grade 8 US History Advanced



Foreign Language

- Spanish Beginning
- Spanish Intermediate



Electives

- Physical Fitness 6/7
- Career Research and Decision Making
- Creative Writing
- Intro to Art History
- Health 1

Middle school students may also take ANY High School elective for High School credit. Students MUST submit a High School Application to take courses for High School credit.

INTERNATIONAL BACCALAUREATE (IB)

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ART

0107472/ATF	IB Film Studies 2	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Digital Video 1
	Type of Credit:	Performing Fine Arts

Film is both a powerful communication medium and an art form. In IB Film, students will become accomplished in both interpreting films and in producing their own. In interpretation, students will watch movies from American culture as well as from cultures around the world to gain an appreciation for different points of view. In production, students will learn to work both independently and as part of a production team on a variety of film projects. Students will take SL IB Assessment. **Students who do not take the IB Exam will incur International Baccalaureate Assessment fees.**

	IB Film Studies 3	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Film Studies 2
	Type of Credit:	Performing Fine Arts

Film is both a powerful communication medium and an art form. In IB Film, students will become accomplished in both interpreting films and in producing their own. In interpretation, students will watch movies from American culture as well as from cultures around the world to gain an appreciation for different points of view. In production, students will learn to work both independently and as part of a production team on a variety of film projects. Students will take SL IB Assessment. **Students who do not take the IB Exam will incur International Baccalaureate Assessment fees**

☆0114800/AYA	ART 1-PRE-IB	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB students
	Type of Credit:	Performing Fine Arts

This course is designed to produce personal visual statements and develop an understanding of the complex language of visual symbols which form a part of every culture. Students will identify and demonstrate through studio experience, the visual elements and compositional principles, apply knowledge of a variety of media, tools, and techniques, identify and analyze major works of art, styles, periods, and cultures, develop an understanding of the aesthetic merit of art works through the study, analysis, and discussion of aesthetics, describe, analyze interpret, and judge works of art, and initiate the development of a portfolio consistent with the aims of the International Baccalaureate program Research is required throughout preliminary planning, ideation and media experimentation of visual elements.

0114810/AYB	ART 2-PRE-IB	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Art 1-Pre-IB
	Type of Credit:	Performing Fine Arts

Concepts and style will be further developed and refined. Students will identify and demonstrate through studio experience, the visual elements and compositional principles, apply knowledge of a variety of media, tools, and techniques, identify and analyze major works of art, styles, periods, and cultures, develop an understanding of the aesthetic merit of art works through the study, analysis, and discussion of aesthetics, describe, analyze interpret, and judge works of art, and initiate the development of a portfolio consistent with the aims of the International Baccalaureate program. Research is required throughout preliminary planning, ideation and media experimentation of visual elements.

☆0114815/AYE	IB Visual Arts I	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

The purpose of this course is to produce personal visual statements that search for a synthesis of aesthetic values and functional requirements and to understand the complex language of visual symbols which form part of every culture. As students reach their 11th and 12th grade year in IB Art or Photography they are working towards presenting a portfolio of work that will be examined, along with research that explains why certain ideas, projects, media, techniques, etc. were pursued. Research is required throughout preliminary planning, ideation and media experimentation of visual elements. Students should have had a previous art class(es) in this IB Art area of study before going into this higher -level class.

☆0114825/AYF	IB Visual Arts 2 (SL)	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Art IB-A & B
	Type of Credit:	Performing Fine Arts

The purpose of this course is to produce personal visual statements that search for a synthesis of aesthetic values and functional requirements and to understand the complex language of visual symbols which form part of every culture. As students reach their 11th grade year in IB Art or Photography they are working towards presenting a portfolio of work that will be examined, along with research that explains why certain ideas, projects, media, techniques, etc. were pursued. Research is required throughout preliminary planning, ideation and media experimentation of visual elements. Students should have had a previous art class(es) in this IB Art area of study before going into this higher- level class. **Students will take SL IB Assessment.**

☆0114835/AYG	IB Visual Arts 3 (HL)	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

The purpose of this course is to produce personal visual statements that search for a synthesis of aesthetic values and functional requirements and to understand the complex language of visual symbols which form part of every culture. As students reach their 12th grade year in IB Art or Photography they are working towards presenting a portfolio of work that will be examined, along with research that explains why certain ideas, projects, media, techniques, etc. were pursued. Research is required throughout preliminary planning, ideation and media experimentation of visual elements. Students should have had a previous art class(es) in this IB Art area of study before going into this higher-level class. Supplies \$75.00. **Students will take HL IB Assessment.**

COMPUTER

☆0200800/BSA	COMPUTER STUDIES 1-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Computer Programming 1
	Type of Credit:	Elective

This course is for IB students only. It is designed to prepare the student to take the IB examination. This course will refine the student's ability to design algorithms that lead to computer programs which solve problems in areas of control, file manipulation, and applications requiring complex data structures. **Students will take District EOC.**

☆0200810/BSB	COMPUTER STUDIES 2-IB	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Computer Studies 1-IB
	Type of Credit:	Elective

This course is for IB students only. It is designed to prepare the student to take the IB examination. This course will refine the student's ability to design algorithms that lead to computer programs which solve problems in areas of control, file manipulation, and applications requiring complex data structures. **Students will take SL IB Assessment.**

☆0200820/BSC	COMPUTER STUDIES 3-IB	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Computer Studies 2-IB
	Type of Credit:	Elective

Students will demonstrate knowledge of error analysis, data types and structures, and recursion within the context of modular programming. Various input and storage devices will be used. An emphasis will be placed upon understanding the role and limitation of computers in our society. Content specified by the International Baccalaureate Computer Studies Program underlies this course. **Students will take HL IB Assessment.**

☆0200890/BSJ	INFORMATION TECHNOLOGY IN GLOBAL SOCIETY-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

This course is for IB students only. It is designed to prepare the student to take the IB examination. This course will cover hardware, software, and telecommunications and the impact they have on society in a global atmosphere.

DANCE

☆0300650/COA	FLORIDA'S PRE-INTERNATIONAL BACCALAUREATE DANCE	
	Offered:	Grade 9, 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

The intent of this course is to introduce the students to the role of dance as practiced by different cultures reflecting each cultures traditions, societal values, and beliefs. This course is an introduction to IB Dance. Students will focus on three aspects of the curriculum: performance, composition & analysis, and world investigation. Students will learn and perform dance repertoire, student choreography, & create their own choreography. This is a preparatory class for IB Dance 2 & 3.

☆0300655/COD	INTERNATIONAL BACCALAUREATE DANCE 1	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Pre-IB Dance 1/Teacher Recommendation
	Type of Credit:	Performing Fine Arts

The intent of this course is to broaden the students' perspective on the role of dance as practiced by different cultures reflecting each cultures traditions, societal values, and beliefs. Students will further explore the three aspects of the curriculum including: performance, composition & analysis, and world investigation. Students will continue to learn and perform dance repertoire, student choreography, & individual choreography. **Students will take District EOC.**

☆0300660/COB	INTERNATIONAL BACCALAUREATE DANCE 2	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Pre-IB Dance 1/Teacher Recommendation
	Type of Credit:	Performing Fine Arts

The intent of this course is to broaden the students' perspective on the role of dance as practiced by different cultures reflecting each cultures traditions, societal values, and beliefs. Students will further explore the three aspects of the curriculum including: performance, composition & analysis, and world investigation. Students will continue to learn and perform dance repertoire, student choreography, & individual choreography. **Students will take SL IB Assessment.**

☆0300670/COC	INTERNATIONAL BACCALAUREATE DANCE 3	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Dance 2 SL/Teacher Recommendation
	Type of Credit:	Performing Fine Arts

The intent of this course is to advance and increase the students' perspective on the role of dance as practiced by different cultures reflecting each cultures traditions, societal values, and beliefs. This phase will focus on completing the three aspects of the curriculum including: performance, composition & analysis, and world investigation. Students will stage personal choreography, perform repertoire, and submit a world investigation paper and process paper for testing. **Students will take HL IB Assessment.**

DRAMA/THEATRE

☆0400800/CRL	PRE -INTERNATIONAL BACCALAUREATE THEATRE 1	
	Offered:	Grade 9,10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Drama or Acting 1
	Type of Credit:	Performing Fine Arts

This course is designed to give an overview of theatre arts. Students are introduced to the fundamentals of stage tech, including make-up, costuming, set construction and lighting. Students perform improvisation, monologues, readings and acting scenes. The content includes and introduction to the process of directing, basic vocal techniques, movement, theory, production management and scrip writing. Students are primarily exposed to pieces in the native language. Students are encouraged to view at least one out –of-class production per nine weeks for critical review.

☆0400805/CRM	PRE -INTERNATIONAL BACCALAUREATE THEATRE 2	
	Offered:	Grade 9,10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Drama or Acting 1
	Type of Credit:	Performing Fine Arts

The purpose of this course is to provide students an opportunity to gain experience and further their knowledge in theatre fundamentals. The content includes instruction in reading and interpretation of dramatic literature; techniques and mechanics of stagecraft, character analysis and portrayal; interpretive and analytical student of plays; theory and scriptwriting; and production of plays and other dramatic presentations. Students encounter international pieces including Japanese theater, theater of the Absurd, and satire, as well of current works. All students are required to view at least one out-of-class production per nine weeks for critical review

☆0400810/CWA	INTERNATIONAL BACCALAUREATE THEATRE 1	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Drama or Acting 1
	Type of Credit:	Performing Fine Arts

The Theatre 1-IB course will focus on the historical examination of theatre to understand various cultures and the art form. Included are performance, technical skills, objective self-criticism, and the synthesis of knowledge through a research project. Students will take District EOC.

☆0400820/CWB	INTERNATIONAL BACCALAUREATE THEATRE 2	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Theatre 1-IB
	Type of Credit:	Performing Fine Arts

The Theatre 2-IB course will focus on the historical examination of theatre to understand various cultures and the art form. Included are performance, technical skills, objective self-criticism, and the synthesis of knowledge through a research project. Students will take SL IB Assessment.

☆0400830/CWC	INTERNATIONAL BACCALAUREATE THEATRE 3	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Theatre 2-IB
	Type of Credit:	Performing Fine Arts

The purpose of this course is to provide in-depth training in theatrical skills, technical skills, and self-development in the art. Extensive research will be incorporated into this course. The Theatre 3-IB course will focus on the historical examination of theatre to understand various cultures and the art form. Included are performance, technical skills, objective self-criticism, and the synthesis of knowledge through a research project. **Students will take HL IB Assessment.**

ENGLISH

☆1001800/GOF	ENGLISH 1-PRE-IB	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
	Type of Credit:	English/Language Arts

This course shall include, but not be limited to, instruction in the backgrounds and critical analyses of major world literary works representing various genres. Composition instruction will focus upon using the writing process in logical and critical modes and includes application of research skills. Vocabulary study includes Latin and Greek influences on the English language and advanced vocabulary for college-bound students.

☆1001810/GOG	ENGLISH 2-PRE-IB	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 1 Pre-IB
	Type of Credit:	English/Language Arts

The major content will include, but not be limited to, instruction in genres and universal themes found in the literature of England. Advanced skills in literary analysis will be applied in composition and discussion. Vocabulary study will focus on preparation for college entrance examinations. Major projects will include research on a literary topic leading to a thesis paper. The demands of the syllabus are too great to allow time for remediation.

☆1001820/GOH	ENGLISH 3-IB	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 2 Pre-IB
	Type of Credit:	English/Language Arts

The content of this course is determined by the International Baccalaureate Program for an IB Diploma.

☆1001830/GOI	ENGLISH 4-IB	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	English 3 IB
	Type of Credit:	English/Language Arts

The content of this course is determined by the International Baccalaureate Program for an IB Diploma.

FOREIGN LANGUAGE

☆0701800/DNA	FRENCH 1-PRE-IB	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
	Type of Credit:	World Language

The purpose of this course is to provide students with a preparatory course to meet the requirements of the IB Program. The students will receive an intensive introduction to the four language skills: Speaking, listening, reading and writing as well as an introduction to the target cultures.

☆0701810/DNB	FRENCH 2-PRE-IB	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	French 1-Pre-IB
	Type of Credit:	World Language

The purpose of this course is to provide students with a preparatory course to meet the requirements of the IB Program. The course is designed to reinforce the basic skills already acquired. The content will include an expansion of the listening and oral skills. The students will read short passages and write simple compositions.

☆0701830/DND	FRENCH 4-B-IB	
	Offered:	Grade 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	French 2-Pre-IB
	Type of Credit:	World Language

The purpose of this course is to provide students with a preparatory course to meet the requirements of the IB Program. The course is designed to enable students to speak, to comprehend, to read, to analyze authentic literature; as well as to write compositions demonstrating an advanced level of vocabulary and structure.

☆0701840/DNE	FRENCH 5-B-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	French 4-B-IB
	Type of Credit:	World Language

The purpose of this course is to prepare students to take the IB examination. This course is designed to expand and fine-tune the students' comprehension and language production to near-native fluency. Full-length literary works will be read and analyzed in the target language. **Students will take SL IB Assessment.** Any student who has earned 4 world language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation. Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 4, 5, 6 or 7 on an IB language test.

☆0701865/DNF	FRENCH 6 B-IB	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	French 5-B-IB
	Type of Credit:	World Language

The purpose of this course is to prepare students to take the IB examination. This course is designed to expand and fine-tune the students' comprehension and language production to near-native fluency. Full-length literary works will be read and analyzed in the target language. **Students will take HL IB Assessment.** Any student who has earned 4 world language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation. Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 4, 5, 6 or 7 on an IB language test.

☆0702800/DOJ	GERMAN 1-PRE-IB	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
	Type of Credit:	World Language

The purpose of this course is to introduce students to German and German culture and to develop communication skills and cross-cultural understanding. The content should include, but not be limited to, the following: - beginning skills in listening and speaking with special attention to pronunciation – introduction to reading and writing skills – fundamentals of grammar – fundamentals of culture.

?0702810/DOK	GERMAN 2-PRE-IB	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	German1-Pre-IB
	Type of Credit:	World Language

The purpose of this course is to expand previously acquired skills. The content should include, but not be limited to, the following: - expansion of vocabulary and conversational skills through discussions based on readings – strengthening of grammar skills through analysis of reading selections – acquisition of vocabulary relevant to everyday life of German-speaking people.

☆0702830/DOM	GERMAN 4-B-IB	
	Offered:	Grade 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	German 2-Pre-IB
	Type of Credit:	World Language

The purpose of this course is to expand previously acquired skills. The content should include, but not be limited to, the following: - developing oral fluency in the language, commenting on text meaning and content orally and in writing, and developing aural comprehension of a high standard.

☆0702840/DON	GERMAN 5-B-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	German 4-Pre-IB
	Type of Credit:	World Language

The purpose of this course is to expand previously acquired skills. The content should include, but not be limited to, the following: - developing oral fluency in the language, commenting on text meaning and content orally and in writing, and developing aural comprehension of a high standard. **Students will take SL IB Assessment.** Any student who has earned 4 world language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation. Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 4, 5, 6 or 7 on an IB language test.

☆0708800/DUO	SPANISH 1-PRE-IB	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
	Type of Credit:	World Language

The purpose of this course is to provide students with a preparatory course to meet the requirements of the IB Program. The students will receive an intensive introduction to the four language skills: speaking, listening, reading and writing.

☆0708810/DUP	SPANISH 2-PRE-IB	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish 1-Pre-IB
	Type of Credit:	World Language

The purpose of this course is to provide students with a preparatory course to meet the requirements of the IB Program. The course is designed to reinforce the basic skills already acquired. The content will include an expansion of the listening and oral skills. The students will read short passages and write simple compositions.

☆0708830/DUR	SPANISH 4-B-IB	
	Offered:	Grade 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish 2-Pre-IB
	Type of Credit:	World Language

The purpose of this course is to provide students with a preparatory course to meet the requirements of the IB Program. The course is designed to enable students to speak and comprehend on a near native level, to read and analyze authentic literature and to write compositions demonstrating an advanced-level of vocabulary and structure.

☆0708840/DUS	SPANISH 5-B-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish 4-B-IB
	Type of Credit:	World Language

The purpose of this course is to prepare students to take the IB examination. This course is designed to expand and to refine the students' comprehension and language production to near-native fluency. Full-length literary works will be read and analyzed in the target language. **Students will take SL IB Assessment.** Any student who has earned 4 world language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation. Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 4, 5, 6 or 7 on an IB language test.

☆0708865/DUT	SPANISH 6-B-IB	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Spanish 5-B-IB
	Type of Credit:	World Language

The purpose of this course is to prepare students to take the IB examination. This course is designed to expand and to refine the students' comprehension and language production to near-native fluency. Full-length literary works will be read and analyzed in the target language. **Students will take HL IB Assessment.** Any student who has earned 4 world language credits with a 3.0 unweighted average in a single language will receive the Florida Seal of Biliteracy at graduation. Without 4 credits, any student will earn the Florida Seal of Biliteracy with a 4, 5, 6 or 7 on an IB language test.

HUMANITIES

☆0900800/FMF	THEORY OF KNOWLEDGE 1-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	IB Requirement

The purpose of this course is to make explicit through analysis, comparison, and interdisciplinary integration, the concepts of knowledge and their verification in the disciplines of mathematics, natural sciences, human sciences, history, and in moral, political, and aesthetic judgments. Students will be taught to identify sources of knowledge and evaluate knowledge claims, distinguish between knowledge by acquaintance and knowledge by description, evaluate language as a means of conveying knowledge, construct knowledge claims, analyze formal systems of knowledge, examine the relation of knowledge to value judgments, and distinguish degrees of certainty.

MATHEMATICS

☆1200340/IME	ALGEBRA 2 (HONORS)	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 1/or Algebra 1 Honors
	Type of Credit:	Math

This course is a rigorous in-depth study of the topics of Algebra 2 with emphasis on theory, proof, and development of formulas, as well as their application. The content will include: structure and properties of the complex number system; sequences and series; relations; functions and graphs; varied solution strategies for linear equations, inequalities, and systems of equations and inequalities; conic sections and their applications; quadratic, exponential, and logarithmic functions; and the Binomial Theorem. Calculators and computers will serve as instructional tools in concept development. **Students will be required to sit for end of course assessment provided by the state which will constitute 30% of their overall final course grade.**

☆1206320/ISC	GEOMETRY (HONORS)	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 2 Honors
	Type of Credit:	Math

This course is designed to give a rigorous in-depth study of geometry with emphasis on methods of proof and the formal language of mathematics. The content will include the following: structure of geometry; separation properties; angle concepts; triangles, quadrilaterals; proofs; perpendicularity and parallelism in a plane and in space; similar polygons; circles and spheres; constructions; area and volume; coordinate geometry and topology; and circular and trigonometric functions and their applications. Calculators and computers will serve as instructional tools in concept development. **Students will be required to sit for end of course assessment provided by the state which will constitute 30% of their overall final course grade.**

☆1209800/IVA	IB MATH STUDIES	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	Algebra 2 Honors/Geometry Honors Pre-IB
	Type of Credit:	Math

This course serves as the year one of two preparations for the Math Studies SL Test. The purpose of this course is to introduce students to the basic concepts and techniques associated with the graphing calculator, number sense, algebraic concepts, sets, logic, probability, functions, geometry, trigonometry, financial mathematics, and introductory differential calculus. It is expected that extensive use will be made of graphing calculators in both the development and the application of these topics. Access to computers is recommended. This course will include internally assessed and externally moderated portfolio requirements as well as periodic comprehensive reviews in preparation for the International Baccalaureate Examination. **Students will take a district EOC assessment.**

☆1210310/IWB	IB STATISTICS AND INTRODUCTORY DIFFERENTIAL CALCULUS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Math Studies
	Type of Credit:	Math

This course serves as the year two of two preparations for the Math Studies SL Test. The purpose of this course is to introduce students to the basic concepts and techniques associated with the graphing calculator, probability, statistics and introductory differential calculus. It is expected that extensive use will be made of graphing calculators in both the development and the application of these topics. Access to computers is recommended. This course will include internally assessed and externally moderated portfolio requirements as well as periodic comprehensive reviews in preparation for the International Baccalaureate Examination. **Students will take the IB Mathematics SL Exam.**

☆1202375/IOL	IB PRE-CALCULUS	
	Offered:	Grade 10, 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Geometry-Pre-IB/Algebra 2
	Type of Credit:	Math

This course serves as the year one of two preparations for the Mathematics SL Test. The purpose of this course is to introduce students to the basic concepts and techniques associated with work in algebraic concepts, functions and equations, circular functions and trigonometry, matrices, and vectors. It is expected that extensive use will be made of graphing calculators in both the development and the application of these topics. Access to computers is recommended. This course will include internally assessed and externally moderated portfolio requirements as well as periodic comprehensive reviews in preparation for the International Baccalaureate Examination. **Students will take a district EOC assessment.**

☆1202810/ION	IB CALCULUS AND DESCRIPTIVE STATISTICS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Pre-Calculus
	Type of Credit:	Math

This course serves as the year two of two preparations for the Mathematics SL Test. The purpose of this course is to introduce students to the basic concepts and techniques of probability, statistics, differential and integral calculus and their application. It is expected that extensive use will be made of graphing calculators in both the development and the application of these topics. Access to computers is recommended. This course will include internally assessed and externally moderated portfolio requirements as well as periodic comprehensive reviews in preparation for the International Baccalaureate Examination. **Students will take the IB Mathematics SL Exam.**

☆1202830/IOO	IB ADVANCED CALCULUS 1	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Calculus & Descriptive Statistics
	Type of Credit:	Math

This course serves as preparation for the Mathematics HL Test. The purpose of this course is to extend student knowledge of algebraic, trigonometric, exponential and logarithmic functions, vectors, complex numbers, linear algebra, probability and statistics. Students will study additional topics from one of four areas. The fourth area will come from one of the following areas: additional statistics and probability; sets, relations and groups as an introduction to abstract algebra; infinite series and differential equations; discrete mathematics. It is expected that extensive use will be made of graphing calculators in both the development and the application of these topics. Access to computers is recommended. This course will include internally assessed and externally moderated portfolio requirements as well as periodic comprehensive reviews in preparation for the International Baccalaureate examination.

☆1209830/IVC	IB MATHEMATICS ADVANCED CALCULUS	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Pre-Calculus/IB Calculus/Descriptive Statistics
	Type of Credit:	Math

This course serves as preparation for the Mathematics HL Test. The purpose of this course is to extend student knowledge of algebraic, trigonometric, exponential and logarithmic functions, vectors, complex numbers, linear algebra, probability and statistics. Students will study additional topics from one of four areas. The fourth area will come from one the following areas: additional statistics and probability; sets, relations and groups as an introduction to abstract algebra; infinite series and differential equations; discrete mathematics. It is expected that extensive use will be made of graphing calculators in both the development and the application of these topics. Access to computers is recommended. This course will include internally assessed and externally moderated portfolio requirements as well as periodic comprehensive reviews in preparation for the International Baccalaureate Examination. **Students will take the IB Mathematics HL Exam.**

MUSIC

☆1300800/JNM	FLORIDA'S PRE-INTERNATIONAL BACCALAUREATE MUSIC 1	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

This course will introduce Pre-IB students to the rudiments of music and its study, using the techniques of listening, performing and composing implemented through the use of keyboard, computer-assisted instruction and/or other performance media. This course is intended to develop a historical perspective of music from the Plainsong Era to present day, an awareness of the multi-cultural aspect of music, social skills, and to further develop formal study of music through the conducting and directing of ensembles.

☆1300810/JNN	FLORIDA'S PRE-INTERNATIONAL BACCALAUREATE MUSIC 2	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

The purpose of this course is to introduce Pre-IB students to the rudiments of music and its study, using the techniques of listening, performing and composing implemented through the use of keyboard, computer-assisted instruction and/or other performance media. This course will also develop a historical perspective of music from the Plainsong Era to present day, develop an awareness of the multi-cultural aspect of music and develop social skills and to further formal study of music through the conducting and directing of ensembles.

☆1300816/JNQ	INTERNATIONAL BACCALAUREATE MUSIC 1	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Pre-IB Music Performing
	Type of Credit:	Fine Arts

The purpose of this course is to introduce Pre-IB students to the rudiments of music and its study, using the techniques of listening, performing and composing implemented through the use of keyboard, computer-assisted instruction and/or other performance media. This course will also develop a historical perspective of music from the Plainsong Era to present day, develop an awareness of the multi-cultural aspect of music and develop social skills and to further formal study of music through the conducting and directing of ensembles.

☆1300818/JNR	INTERNATIONAL BACCALAUREATE MUSIC 2	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Pre-IB Music Performing
	Type of Credit:	Fine Arts

The purpose of this course is to further the IB students' knowledge of the rudiments of music and its study, using the techniques of listening, performing and composing implemented through use of keyboard, computer-assisted instruction and/or other performance media. This course will further develop a historical perspective of music from the Plainsong Era to present day, develop an awareness of the multicultural aspect of music, and further develop social skills and further formal study of music through the conducting and directing of ensembles. This course will also prepare the IB student for further the formal study of the science of music in higher education. **Students will take SL IB Assessment.**

☆1300820/JNO	INTERNATIONAL BACCALAUREATE MUSIC 3	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Performing Fine Arts

The purpose of this course is to further the IB students' knowledge of the rudiments of music and its study, using the techniques of listening, performing and composing implemented through use of keyboard, computer-assisted instruction and/or other performance media. This course will further develop a historical perspective of music from the Plainsong Era to present day, develop an awareness of the multicultural aspect of music, and further develop social skills and further formal study of music through the conducting and directing of ensembles. This course will also prepare the IB student for further the formal study of the science of music in higher education. **Students will take HL IB Assessment.**

THINKING SKILLS

☆1700360/LOG	INQUIRY SKILLS-PRE-IB	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Elective	

This course will cover the nature of learning; the interdisciplinary nature of knowledge; study skills strategies, both general and subject specific; critical and creative thinking skills, group discussion guidelines; and test-taking strategies. Students will conduct a research procedure based on a stated hypothesis, analyze data, submit a written report, and make an oral presentation and defense of the research paper.

SCIENCE

☆2000800/MMM	BIOLOGY 1-PRE-IB	
	Offered:	Grade 9
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
Type of Credit:	Biology	

The purpose of the Florida Pre-IB course is to prepare students for the International Baccalaureate Diploma Program(DP). As such, this course will provide academic rigor and relevance through a comprehensive curriculum based on the Next Generation Sunshine State Standards (Common Core) taught with reference to the unique facets of the IB.

Pre-IB Biology 1 course introduces students to how scientists work and communicate with each other. There is an emphasis on a practical approach through experimental work, which mirrors the work of real scientists by encouraging collaboration between schools across the regions. Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The Nature of Science is integrated throughout the course through three content clusters: 1. Organisms, Populations and Ecosystems, 2. Classification, Heredity and Evolution, 3. Molecular and Cellular Biology.

All students are required to pass Biology 1. The Biology End of Course Exam will account for 30% of the final grade. Students working towards the Scholar Designation must pass the Biology EOC.

☆2000805/MMQ	BIOLOGY 1-IB	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1-Pre-IB
Type of Credit:	Science	

This rigorous course provides a study of the facts, principles and processes of biology and the collection, interpretation, and formulation of hypotheses from available data. Focus on enriched laboratory activities are integral to this course. Contemporary issues such as feeding the world's population, genetic engineering, population dynamics, etc., are included for critical current and future decision-making. Some preserved animal studies may be a part of this course. **Students will take District EOC.**

☆2000810/MMN	BIOLOGY 2-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 1-Pre-IB
	Type of Credit:	Science

This rigorous course provides a study of the facts, principles and processes of biology and the collection, interpretation, and formulation of hypotheses from available data. Focus on enriched laboratory activities is integral to this course. Contemporary issues such as feeding the world's population, genetic engineering, population dynamics, etc., are included for critical current and future decision-making. Some preserved animal studies may be a part of this course. **Students will take SL IB Assessment.**

☆2000820/MMO	BIOLOGY 3-IB	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Biology 2-IB
	Type of Credit:	Science

This course provides students with a rigorous study of the facts, principles, and processes of biology. Collection and interpretation of data is included. Content includes biological ethics, philosophy and political issues is included for critical current and future decision-making. Some preserved animal studies may be a part of this course. **Students will take HL IB Assessment.**

☆2001370/MNR	IB ENVIRONMENTAL SYSTEMS (SL Only)	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
	Type of Credit:	Science

This is a rigorous class designed to provide students with an understanding of the environment and human interactions with it. Environmental Systems is a true interdisciplinary class and students will be expected to demonstrate proficiency in Biology, Chemistry, Physics, Statistics, and geography among other disciplines. Through a systems-centered approach, students will investigate environmental issues using scientific inquiry in labs and projects, read scientific novels, and participate in college-level lectures. **Students will take District EOC.**

☆2001375/MNU	IB ENVIRONMENTAL SYSTEMS & SOCIETIES 2	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
	Type of Credit:	Science

This is a rigorous class designed to provide students with an understanding of the environment and human interactions with it. Environmental Systems is a true interdisciplinary class and students will be expected to demonstrate proficiency in Biology, Chemistry, Physics, Statistics, and geography among other disciplines. Through a systems-centered approach, students will investigate environmental issues using scientific inquiry in labs and projects, read scientific novels, and participate in college-level lectures. **Students will take SL IB Assessment.**

☆2003800/MOO	CHEMISTRY 1-PRE-IB	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
	Type of Credit:	Science

The course provides a rigorous study of the composition, properties and changes associated with matter. Content includes heat, changes of matter, atomic structure, bonding, formulas and equations, mole concepts, gas laws, energy and order, reaction rates and equilibrium, solutions and electrochemistry. Challenging laboratory investigations and safety are integral to this course.

☆2003805/MNA	CHEMISTRY 1-IB	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	Chemistry 1-Pre-IB
	Type of Credit:	Science

This course provides a rigorous study of the composition, properties and changes associated with matter. Content includes chemical behavior, inorganic and organic chemistry, atomic and kinetic theories, chemical calculations, and effective use of chemical apparatus. Safety and challenging chemical laboratory investigations which manipulate qualitative and quantitative data are integral to the course. Students will take District EOC.

☆2003810/MOP	CHEMISTRY 2-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Chemistry 1-IB
	Type of Credit:	Science

This course provides a rigorous study of the composition, properties and changes associated with matter. Content includes chemical behavior, inorganic and organic chemistry, atomic and kinetic theories, chemical calculations, and effective use of chemical apparatus. Safety and challenging chemical laboratory investigations which manipulate qualitative and quantitative data are integral to the course. Students will take SL IB Assessment.

☆2003820/MOQ	CHEMISTRY 3-IB	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Chemistry 2-IB
	Type of Credit:	Science

This course provides a rigorous study of practical work, atomic theory, structure and bonding, energetic, states of matter, kinetics, equilibrium, periodicity, and carbon chemistry. Safety and highly challenging laboratories are integral to the course. Students will take HL IB Assessment.

☆2003845/MOV	PHYSICS 2-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Science

The purpose of this course is to provide an algebra-based overview of physics according to the IB syllabus guide. Content should include, but not be limited to, mechanics, thermodynamics, waves, electricity and magnetism, modern physics, and relativity. Laboratory investigations involve application of the scientific method, quantitative relationships, proper use of laboratory apparatus, and safety precautions. Students will be required to take the IB Physics Standard Level Exam upon completion of the course. Students will take SL IB Assessment.

☆2003850/MOK	PHYSICS 3-IB Higher Level	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Science

The purpose of this course is to provide an algebra-based overview of physics according to the IB syllabus guide. Content should include, but not be limited to, mechanics, thermodynamics, waves, electricity and magnetism, modern physics, and relativity. Laboratory investigations involve application of the scientific method, quantitative relationships, proper use of laboratory apparatus, and safety precautions. Students will be required to take the IB Physics Standard Level Exam upon completion of the course. **Students will take HL IB Assessment.**

☆2001820/MOW	IB SPORTS EXERCISE SCIENCE 1	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Physical Education

This course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of core and optional topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and health relative to the individual and in a global context. **Students will take SL IB Assessment.**

☆2001830/MNW	IB SPORTS EXERCISE SCIENCE 2	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Physical Education

This course incorporates the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of core and optional topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and health relative to the individual and in a global context. **Students will take HL IB Assessment.**

SOCIAL STUDIES

☆2100800/NND	HISTORY OF AMERICAS-IB	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	American History-IB
	Type of Credit:	IB Requirement

This course will provide an opportunity to acquire a comprehensive understanding of the major themes that give meaning to the historical development of the nations of the Western Hemisphere by achieving an understanding of the historical method, the process of inquiry, historical reasoning and interpretation, and change. The content will include, but not be limited to, an understanding of the geohistoric development in time-space, that the North and South American land mass had on national cultural development, an analysis of the significant turning points and trends in the development of hemispheric culture and institutions, a comparison and evaluation of the development of Anglo-American and Latin American ideals and characteristics, comparisons of technology changes and population shifts in Anglo- America and Latin America, and an evaluation of those significant domestic and foreign issues facing the nations in the Western Hemisphere.

☆2101800/NPF	SOCIAL ANTHROPOLOGY 1-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	IB Elective

This course will provide students the opportunity to explore both the universal principles of social and cultural life and characteristics of specific societies and cultures. Students may use Social Anthropology to link the various disciplines of the social sciences.

☆2102800/NQK	COMPARATIVE ECONOMIC SYSTEMS-PRE-IB	
	Offered:	Grade 10
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Pre-IB
	Credit:	Elective

This course will provide a basic understanding of how economic systems solve basic economic problems. Specifically, this course will include the importance of economics, the basic economic problems, and the historical development of major economic ideologies, a comparison of traditional, command, and market economies, and the influence of political systems in relation to solving economic problems.

☆2102810/NQL	ECONOMICS 1-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Comparative Economic Systems/Teacher Recommendation
	Type of Credit:	IB Elective

This course provides a comprehensive understanding of the ways in which society organizes to utilize its limited resources and of the distinguishing characteristics of other types of economic systems with particular attention to the American mixed market system. **Students will take District EOC.**

☆2102820/NQM	ECONOMICS 2-IB-SL	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Comparative Economic Systems/Teacher Recommendation
	Type of Credit:	IB Elective

This course provides a comprehensive understanding of the ways in which society organizes to utilize its limited resources and of the distinguishing characteristics of other types of economic systems with particular attention to the American mixed market system. **Students will take SL IB Assessment.**

☆2102830/NQN	ECONOMICS 3-IB-HL	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Comparative Economic Systems/Teacher Recommendation
	Type of Credit:	IB Elective

The purpose of this course is to prepare students to take the IB HL examination. The course provides a comprehensive understanding of the ways in which society organizes to utilize its limited resources and of the distinguishing characteristics of other types of economic systems with particular attention to the American mixed market system. **Students will take HL IB Assessment.**

☆2106800/NUO	US GOVERNMENT-PRE-IB	
	Offered:	Grade 9*, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	IB Acceptance
	Type of Credit:	Pre-IB Requirement

This course will provide an understanding of the development and manifestations of modern political and economic ideologies. Students will develop an understanding of the foundations of American government, major provisions of the constitution, power and duties of their legislative, executive, and judicial branches, and the political participation and influence of individuals and groups. In addition, modern political systems based upon Socialism, Communism, and Fascism will be compared and contrasted with the operation of the American system of democratic government.

☆2107800/NVE	PSYCHOLOGY 1-IB	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	IB Elective

The purpose of this course is to provide students with the opportunity to acquire an understanding of human behavioral interaction, and the progressive development of individuals. The content will include the theories and methods of study employed by psychologists, human growth and development, self- concept development, adjustment, motivation and desire, intelligence, human interaction, conditioning and learning, attitudes and social influences, memory, personality, behavior, conformity, autonomy, alienation, stress, mental health, psychological testing and therapy. **Students will take District EOC.**

☆2107810/NVF	PSYCHOLOGY 2-IB-SL	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Psychology 1-IB
	Type of Credit:	IB Elective

This course provides students with the opportunity to acquire an understanding of research methodology, as applied to the study of human behavior. Specific content to be covered will include human growth and development, self-concept development, adjustment, motivation and desire, intelligence, human interaction, conditioning and learning, attitudes and social influence, memory, personality, behavior, emotional frustration, abnormal behavior, conformity, autonomy, alienation, stress, and mental health. **Students will take SL IB Assessment.**

☆2107820/NVG	PSYCHOLOGY 3-IB-HL	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Psychology 1-IB
	Type of Credit:	IB Elective

This course provides students with the opportunity to acquire an understanding of research methodology, as applied to the study of human behavior. Specific content to be covered will include human growth and development, self-concept development, adjustment, motivation and desire, intelligence, human interaction, conditioning and learning, attitudes and social influence, memory, personality, behavior, emotional frustration, abnormal behavior, conformity, autonomy, alienation, stress, and mental health. **Students will take HL IB Assessment.**

☆2109805/NYH	CONTEMPORARY HISTORY 2 - IB	
	Offered:	Grade 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
	Type of Credit:	Pre-IB Requirement

This course provides an understanding of the development of the contemporary world through an investigation of the significant events and trends which have occurred during the recent past. The students will engage in in-depth analysis of historical events of the mid to late twentieth century from a global perspective in order to increase understanding of events occurring in their lifetime. Content will include historical antecedents of contemporary political, social, economic, and religious problems; competing goals of the world's political and economic systems; the influence of major historical and contemporary figures; and the projection of current trends into the near future. **Students will take HL IB Assessment.**

☆2109810/NYD	WORLD HISTORY-PRE-IB	
	Offered:	Grade 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance
	Type of Credit:	Pre-IB Requirement

This course will provide a survey of world history and the humanities from preliterate times to the early nineteenth century. The course will emphasize the contributions of the past to contemporary life as well as the ways, other societies have attempted to answer questions and resolve problems that continue to perplex mankind today. The student will explore interpretations of history and change, the development of institutions, the meaning of the good life, myth and reality, growth and decline of civilizations, changing concepts of right and wrong, heroism, relationships between church and state, and conflicts between social and economic classes. Throughout the term, students will write essays and papers and complete projects individually and in groups.

☆2103800/NRT	GEOGRAPHY 3 - IB	
	Offered:	Grade 11
	Credit:	1.0
	Length:	Year
	Prerequisite:	IB Acceptance IB
Type of Credit:	Elective	

Students will be introduced to a variety of geographic concepts using a problem-oriented study. Topics are presented through regional case studies emphasizing human and physical geography. Topics will include world population, economic development, energy resources, urbanization, world food and water supply and environmental hazards.

Cambridge International AICE Courses

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ENGLISH – PRE-AICE

☆1001560/GNP	ENGLISH LANG IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (English – 9 th)

This course is designed for learners to develop the ability to communicate clearly, accurately and effectively in both speech and writing. They learn how to employ a wide-ranging vocabulary, use correct grammar, spelling and punctuation, and develop a personal style and an awareness of the audience being addressed. Learners will also read widely, both for their own enjoyment and to further their awareness of the ways in which English can be used. This course also develops more general analysis and communication skills such as synthesis, inference, and the ability to order facts and present opinions effectively.

☆1005380/GNR	ENGLISH LIT IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (English – 10 th)

This course enables learners to read, interpret and evaluate texts through the study of literature in English. Learners develop an understanding of literal meaning, relevant contexts and of the deeper themes or attitudes that may be expressed. Through their studies, they learn to recognize and appreciate the ways in which writers use English to achieve a range of effects, and will be able to present an informed, personal response to the material they have studied. This course also develops the exploration of wider and universal issues, promoting learners' better understanding of themselves and of the world around them.

MATH – PRE-AICE

☆1209810/GNW	MATH 1 IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (Algebra 1)

This course enables the development of mathematical knowledge as a key life skill, and as a basis for more advanced study. This course aims to build learners' confidence by helping them develop a feel for numbers, patterns and relationships, and places a strong emphasis on solving problems and presenting and interpreting results. Learners also gain an understanding of how to communicate and reason using mathematical concepts.

SCIENCE – PRE-AICE

☆2000322/GNX	BIOLOGY IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (Bio)

This course helps learners to understand the technological world in which they live, and take an informed interest in science and scientific developments. Learners gain an understanding of the basic principles of biology through a mix of theoretical and practical studies. They also develop an understanding of the scientific skills essential for further study at Cambridge International A Level, which are useful in everyday life. As they progress, learners understand how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.

☆2003335/GOK	PHYSICAL SCIENCE IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (EQ for Science)

This course helps learners to understand the technological world in which they live, and take an informed interest in science and scientific developments. It is a single award qualification, earning one grade. They learn about the basic principles of Physical Science through a mix of theoretical and practical studies. As they progress, learners gain an understanding of how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.

☆2001342/GOO	ENVIRONMENTAL MANAGEMENT 1 IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (EQ for Science)

This course enables learners to understand sustainable development in a world where the security of resources and life-sustaining systems is endangered by human impact. It draws upon disciplines such as biology, Earth science, geography and economics. Learners gain an understanding of the Earth's natural systems and how people use natural resources; they then investigate the impact of human development on the environment and learn how the environment can be managed sustainably in the future, from a local as well as a global perspective.

☆2003372/GOJ	CHEMISTRY IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (EQ for Science)

This course enables learners to understand the technological world in which they live, and take an informed interest in science and scientific developments. Learners gain an understanding of the basic principles of Chemistry through a mix of theoretical and practical studies. They also develop an understanding of the scientific skills essential. As they progress, learners understand how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.

☆2003432/GON	PHYSICS IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
Type of Credit:	Pre-AICE Requirement (EQ for Science)	

This course enables learners to understand the technological world in which they live, and take an informed interest in science and scientific developments. They learn about the basic principles of Physics through a mix of theoretical and practical studies. Learners also develop an understanding of the scientific skills essential for further study. As they progress, learners gain an understanding of how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment.

2001405/MEA	IGCSE SCIENCE-COMBINED (CAMBRIDGE COURSE #0653)	
	Offered:	Grade 9,10,11,12
	Credit:	1.0
	Length:	Year
	Prerequisite:	
Type of Credit:	(EG for Science)	

Cambridge IGCSE Combined Sciences gives learners the opportunity to study Biology, Chemistry and Physics, each covered in separate syllabus sections. It is a single award qualification earning one grade. Learners gain an understanding of the basic principles of each subject through a mix of theoretical and practical studies, while also developing an understanding of the scientific skills essential for further study. They learn how science is studied and practiced, and become aware that the results of scientific research can have both good and bad effects on individuals, communities and the environment. As well as focusing on the individual sciences, the syllabus helps learners to understand the technological world in which they live, and take an informed interest in science and scientific developments.

SOCIAL STUDIES – PRE-AICE

☆2002323/GOE	ECONOMICS IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	0.5
	Length:	Semester
	Prerequisite:	AICE Acceptance
Type of Credit:	Pre-AICE Requirement (Economics)	

This course develops an understanding of economic terminology and principles and of basic economic theory. Learners study the economics of developed and developing nations and how these interrelate. They also learn to handle simple data and undertake economic analysis, evaluate information and discriminate between facts and value judgements in economic issues. A foundation for further study the course also enables a better understanding of the world in which learners live, and helps them play an active part in the decision-making process, whether as consumers, producers or citizens of the local, national and international community.

☆2103420/GOM	GEOGRAPHY IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (Elective)

In this course, learners will develop a 'sense of place' by looking at the world around them on a local, regional and global scale. Learners will examine a range of natural and man-made environments, and study some of the processes which affected their development. They will also look at the ways in which people interact with their environment and the opportunities and challenges an environment can present, thereby gaining a deeper insight into the different communities and cultures that exist around the world.

☆2104370/GOB	DEVELOPMENT STUDIES IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (Elective)

Focusing on issues of particular relevance to less economically developed countries, this course looks at the changes in society that encourage or hamper human development. By emphasizing the interaction between economic, geographical, social and political processes, learners gain a greater awareness of the local, regional and national issues that affect development. As a result, learners will become more informed about their own local context, and can participate positively in the shaping of their own society.

☆2108305/GOL	SOCIOLOGY IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (Elective)

In this course, learners explore aspects of social relationships, processes and structures; as a result, they develop a greater understanding of human societies and the role of continuity and change in social life. Learners are encouraged to evaluate critically a variety of different social, economic and political structures, thereby learning more about the sociological method, and developing an ability to assess different forms of information and evidence. By relating the syllabus to the local context, teachers can help learners apply their developing sociological knowledge and understanding to the analysis of their own lives and their participation in society.

FOREIGN LANGUAGE – PRE-AICE

☆0701394/GOA	FRENCH 1 IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (Elective)

This course is designed for learners who are learning French as a foreign language. The aim is to develop an ability to use the language effectively for purposes of practical communication. The course is based on the linked language skills of listening, reading, speaking and writing, and these are built on as learner's progress through their studies. The syllabus also aims to offer insights into the culture and civilization of countries where French is spoken, thus encouraging positive attitudes towards language learning and towards speakers of other languages.

☆0708532/GNZ	SPANISH 1 IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (Elective)

This course is designed for learners who are learning Spanish as a foreign language. The aim is to develop an ability to use the language effectively for practical communication. The course is based on the linked language skills of listening, reading, speaking and writing, and these are built on as learner's progress through their studies. The syllabus also aims to offer insights into the culture and civilization of countries where the language is spoken, thus encouraging positive attitudes towards language learning and towards speakers of other languages.

RESEARCH and CRITICAL THINKING – PRE-AICE

☆1700362/GNY	GLOBAL PERSPECTIVES IGCSE – Pre-AICE	
	Offered:	Grade 9, 10
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Pre-AICE Requirement (Elective)

This course is a groundbreaking and stimulating course that stretches across traditional subject boundaries and develops transferable skills. It is both cross-curricular and skills-based and taps into the way learners of today enjoy learning, including team work, presentations, projects, and working with other learners around the world. The emphasis is on developing the ability to think critically about a range of global issues where there is always more than one point of view.

1700372/LAI	AICE Thinking Skills (Cambridge Course #9694)	
	Offered:	Grade 9,10,11,12
	Credit:	1.0
	Length:	Year
	Prerequisite:	AICE Acceptance
	Type of Credit:	Elective

Thinking Skills develops a specific set of intellectual skills, independent of subject content, reflecting the need voiced by universities and employers for more mature and sophisticated ways of thinking. The Thinking Skills syllabus also enables students to approach their other subjects with an improved ability to understand, analyze and resolve problems. As a result, students will find the course of great benefit when preparing for higher education and for a wide range of careers, including law, scientific research, social science, journalism, medicine, business, accounting and engineering. The Thinking Skills syllabus encourages free and open debate, critical and investigative thinking, and informed and disciplined reasoning.

EXCEPTIONAL STUDENT **EDUCATION**

EXCEPTIONAL STUDENT EDUCATION

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MULTI-VE AND VE MODIFIED

ACADEMIC

Access courses are intended only for students with a significant cognitive disability. The access points included in access courses are intentionally designed to foster high expectations for students with significant cognitive disabilities and are designed to provide students with access to the general curriculum. Access points reflect increasing levels of complexity and depth of knowledge aligned with grade-level expectations. Access points in the subject areas of science, social studies, art, dance, physical education, theatre, and health provide tiered access to the general curriculum through three levels of access points (Participatory, Supported, and Independent). Access points in English language arts and mathematics do not contain these tiers, but contain Essential Understandings (or EUs). EUs consist of skills at varying levels of complexity and are a resource when planning for instruction

7910120/	ACCESS ENGLISH 1	
	Offered:	Grade 9
	Credit:	
	Length:	up to 2 Year
	Prerequisite:	None
Type of Credit:	English/Language Arts	

The purpose of these courses is to provide access to the general education English 1 curriculum, through Florida Standards Access Points and Essential Understandings, in using texts of high complexity, and integrated language arts study in reading, writing, speaking, listening, and language.

7910125/	ACCESS ENGLISH 2	
	Offered:	Grade 10
	Credit:	
	Length:	up to 2 Year
	Prerequisite:	None
Type of Credit:	English/Language Arts	

The purpose of these courses is to provide access to the general education English 2 curriculum, through Florida Standards Access Points and Essential Understandings, in using texts of high complexity, and integrated language arts study in reading, writing, speaking, listening, and language.

7910130/	ACCESS ENGLISH 3	
	Offered:	Grade 11
	Credit:	
	Length:	up to 2 Year
	Prerequisite:	None
Type of Credit:	English/Language Arts	

The purpose of these courses is to provide access to the general education English 3 curriculum, through Florida Standards Access Points and Essential Understandings, in using texts of high complexity, and integrated language arts study in reading, writing, speaking, listening, and language.

7910135/	ACCESS ENGLISH 4	
	Offered:	Grade 12
	Credit:	
	Length:	up to 2 Year
	Prerequisite:	None
Type of Credit:	English/Language Arts	

The purpose of these courses is to provide access to the general education English 4 curriculum, through Florida Standards Access Points and Essential Understandings, in using texts of high complexity, and integrated language arts study in reading, writing, speaking, listening, and language.

7912075/ROJ	ACCESS ALGEBRA 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	up to 2 Year
	Length:	None
	Prerequisite:	Math
	Type of Credit:	

The purpose of Access Algebra 1 course is to provide access to the general education algebra curriculum, through Florida Standards Access Points and Essential Understandings, in the areas of algebraic concepts and processes that can be used to analyze and solve a variety of routine and non-routine real-world and mathematical problems. The content should include, but not be limited to, the following: content-related vocabulary, operations using real numbers in real-world problems, patterns, relations, and functions, including tables, sequences, and graphs, graphs to summarize data and predict outcomes, variables and their impact on outcomes, varied solution strategies to solve real-world problems.

7912065/ROG	ACCESS GEOMETRY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	
	Length:	up to 2 Year
	Prerequisite:	None
	Type of Credit:	Math

The purpose of the Access Geometry and Access Informal Geometry courses is to provide access to the general education geometry curriculum, through Florida Standards Access Points and Essential Understandings, in the areas of geometric situations and geometric relationships, moving towards formal mathematical arguments. The Standards for Mathematical Practice apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

7920015/RPB	ACCESS BIOLOGY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	
	Length:	up to 2 Year
	Prerequisite:	None
	Type of Credit:	Science

The purpose of this course is to provide tiered access to the general education Biology 1 curriculum through three levels of Florida Standards Access Points (participatory, supported, and independent). The content of this course should include, but not be limited to: biological processes, cell structure and function, health-related issues and concerns, physiological processes, characteristics and classifications of plants and animals, plant and animal development, adaptation, and inter-relationships, plant, animal, and environment inter-relationships, renewable and non-renewable resources, scientific investigation.

7920025/RPC	ACCESS INTEGRATED SCIENCE	
	Offered:	Grade 9, 10, 11, 12
	Credit:	
	Length:	up to 2 Year
	Prerequisite:	None
	Type of Credit:	Science

The purpose of this course is to provide tiered access to the general education Integrated Science curriculum through three levels of Florida Standards Access Points (participatory, supported, and independent). The content should include, but not be limited to: biological, physical, and chemical characteristics of matter, characteristics of energy transmission, practical application of electric and magnetic phenomena, interaction of matter and energy, characteristics of life, equilibrium of earth's biotic community.

7920020	ACCESS EARTH/SPACE SCIENCE	
	Offered:	Grade 9, 10, 11, 12
	Credit:	
	Length:	up to 2 Year
	Prerequisite:	None
	Type of Credit:	Science

The purpose of this course is to provide tiered access to the general education Earth/Space Science curriculum through three levels of Florida Standards Access Points (participatory, supported, and independent). The content should include, but not be limited to: earth and space in time, earth structures earth systems and patterns, diversity and evolution of living organisms, practice of science, characteristics of scientific knowledge, science and society, energy, motion, and the role of theories, laws, hypotheses, and models.

7921022/RUR	ACCESS ECONOMICS WITH FINANCIAL LITERACY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	up to 1
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Social Studies

The purpose of this course is to provide tiered access to the general education economics and financial literacy curriculum through three levels of Florida Standards Access Points (participatory, supported, and independent), in the areas of economics and financial literacy. Areas of study include currency, banking, monetary policy, financial planning, money management, credit and investment, production of goods and services, supply and demand, and taxation.

7921015/RQB	ACCESS UNITED STATES GOVERNMENT	
	Offered:	Grade 9, 10, 11, 12
	Credit:	up to 1
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Social Studies

The purpose of this course is to provide tiered access to the general education US Government curriculum through three levels of Florida Standards Access Points (participatory, supported, and independent). The content is intended to develop or expand the student's understanding of: origins and purposes of government, law, and the American political system; roles, rights, and responsibilities of United States citizens; principles, functions, and organization of government; United States foreign policy; characteristics, distribution, and migration of human populations; human actions that can impact the environment.

7921025/RQE	ACCESS US HISTORY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	up to 2
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Social Studies

The purpose of this course is to provide tiered access to the general education United States History course, through three levels of Florida Standards Access Points (participatory, supported, and independent), which consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history.

7921027/RQD	ACCESS WORLD HISTORY	
	Offered:	Grade 9, 10, 11, 12
	Credit:	up to 2
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Social Studies

The purpose of this course is to provide tiered access to the general education World History course, through three levels of Florida Standards Access Points (participatory, supported, and independent), which consists of the following content area strands: World History, Geography and Humanities. This course is a continued in-depth study of the history of civilizations and societies from the middle school course, and includes the history of civilizations and societies of North and South America. Students will be exposed to historical periods leading to the beginning of the 21st Century.

7915015/ROI	ACCESS HEALTH OPPORTUNITIES THROUGH PHYSICAL EDUCATION (H.O.P.E.)	
	Offered:	Grade 9, 10, 11, 12
	Credit:	up to 2
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Physical Education

Developing physical skills and team sensibilities through physical education promotes active participation in home, school, and community learning and social activities, which, in turn, promotes participation in life. The content is intended to develop or expand the student's understanding of: Physical Activity; Components of Physical Fitness; Nutrition and Wellness Planning; Diseases and Disorders; Health Advocacy; First Aid/CPR; Alcohol, Tobacco, and Drug Prevention; Human Sexuality, including Abstinence and HIV; Cognitive Abilities; Lifetime Fitness; Movement; Responsible Behaviors and Values.

7967010/RVB	ACCESS VISUAL AND PERFORMING ARTS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

This course is designed for students who are working toward Florida Standards Access Points. Content includes physical movement and dance, music, theater, and visual arts.

Selected standards from this course may be used for students eligible for access points instruction who are receiving instruction alongside typical peers in a general education visual /performing arts course.

SPECIAL SKILLS
COURSES

7963010/RUA	PREPARATION FOR ADULT LIVING	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to acquire the knowledge and skills needed to prepare for post-school adult living. The content should include, but not be limited to, the following: personal planning, personal care, living arrangements, household maintenance, interpersonal relationships, community involvement and participation, use of leisure time and communication. This entire course may not be mastered in one year.

7963070/RUG	UNIQUE SKILLS: SOCIAL AND EMOTIONAL 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide instruction related to environmental, interpersonal, and task- related behavior of students with disabilities. The content should include, but not be limited to, the following: appropriate classroom behavior, social and personal development, communication skills, behavioral control, conflict resolution, responsibility, interpersonal and intrapersonal problem solving, and appropriate use of leisure time. This entire course may not be mastered in one year.

7963160/RUJ	UNIQUE SKILLS: INDEPENDENT FUNCTIONING 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to achieve independence in daily living activities in educational, home, community, and employment settings to achieve annual goals based on assessed needs and the student's individual educational plan (IEP).

7963150/RUO	UNIQUE SKILLS: COMMUNICATION 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to develop and use expressive and receptive communication skills and strategies effectively in educational, home, community, and employment settings to achieve annual goals based on assessed needs and the student's individual educational plan (IEP).

7963140/RUN	SELF-DETERMINATION	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to develop and apply self-determination skills in school, home, community, and work settings. These skills will assist students with achieving their desired school and post-school outcomes, participating actively and effectively in planning meetings and self-advocating in multiple settings.

VOCATIONAL EDUCATION FOR STUDENTS WITH DISABILITIES

7980110/TNK	CAREER PREPARATION: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to acquire the career knowledge and skills necessary to identify career options, access community resources, and develop work-related behaviors. The course will provide a foundation for further progress toward achieving the student's desired post-school outcomes related to a career. The content should include, but not be limited to, the following: self-appraisal, decision making, self-determination and self-advocacy, career options, community resources related to career decisions, workplace competencies, and rights and responsibilities of employees. This entire course may not be mastered in one year.

7980120/TNR	CAREER EXPERIENCES: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to further develop the career knowledge and skills necessary to identify career options, access community resources, and practice work-related behaviors. The course will provide guided practice and experiences in school and community work situations aimed at further progress toward achieving the student's desired post-school outcomes related to a career. The content should include, but not be limited to, the following: self-appraisal, decision making, self-determination and self-advocacy, career options, community resources related to career decisions, workplace competencies, and rights and responsibilities of employees. This entire course may not be mastered in one year.

7980150/TNO	SUPPORTED COMPETITIVE EMPLOYMENT	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with moderate and severe disabilities who are functioning at supported levels to acquire skills necessary for successful individual supported competitive employment. Supported employment refers to competitive work in an integrated work setting with ongoing support services for individuals with moderate and severe handicaps for whom competitive employment has not traditionally occurred. Features of supported employment include intensive onsite training, fade-off, ongoing monitoring, and onsite advocacy. Students will receive one-to-one intensive training by a job coach or employment specialist. The students will be paid at or above minimum wage. A weekly work hour goal is to be established for each individual that would maximize employment potential at the time of transition. The weekly work hour goal will be identified in the student's Transition Individual Educational Plan. Students will receive ongoing support with at least one hour of follow-along services per week at the job site after stabilization has been attained. Stabilization refers to the point at which onsite training and support services in an individual employment situation has been 20% or less of normal work hours for at least 60 calendar days. The content of the course is expected to be provided as part of employment activities, not as pre-employment. The content should include, but not be limited to, the following: positive work attitudes and habits, appropriate hygiene and grooming skills, related safety procedures, appropriate decision-making skills, specific job-related skills, and self-reliance and initiative. This entire course may not be mastered in one year.

SEPARATE CLASS - MILD/MODERATE VE and SC-E/BD
ACADEMIC

All academic courses offered below are to be used for students with disabilities who entered 9th grade prior to the 2014-15 school year (with the exception of Intensive Reading and Intensive Mathematics). Students with disabilities who entered 9th grade during the 2014-15 school year or later, who are not eligible for alternate assessment, must enroll in general education courses used to satisfy standard diploma requirements per Florida State Board of Education Rule 6A- 1.09963.

1000410/GMF	INTENSIVE READING	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation (IEP)
	Type of Credit:	English

This course will provide intensive instruction and practice in reading skills for students two or more years below grade level in reading comprehension based on a standardized test, or for students who score at level one or two on the FCAT reading test. Content of the course will be based on a diagnosis of each student's needs for instruction and specified in the Individualize Education Plan (IEP). Students will be given opportunities to develop and apply reading, vocabulary, and writing skills through guided, share and independent reading, Instructions in test taking skills, regarding performance tasks and comprehension strategies for reading content areas texts will be emphasized.

1200400/IRS	INTENSIVE MATHEMATICS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Math

The purpose of this course is to reinforce problem solving communication and reasoning skills. This course is also designed to support the student's success in satisfying the high school math graduation requirements for **special** diploma (for students who entered 9th grade prior to the 2014-15 SY) or as an elective credit for those students pursuing a standard diploma. Students will have access to calculators and computers; classroom activities will be student centered and evaluation will include alternative methods of assessment. Each year there should be emphasis on basic math skills, consumer math skills or business math skills.

Graduation Requirements: Fundamental courses are academic skill-building courses which support a student's participation in a general education classes by allowing them more time to build the necessary skills for success. Students with disabilities may earn elective credit towards a standard diploma for the successful completion of a fundamental course. A student for which the IEP Team has determined the general education curriculum with accommodations and supports is not appropriate but is ineligible to participate in access courses may take fundamental courses to earn credit towards a special diploma, in accordance with the district's student progression plan. These courses are appropriate for these students as general education courses may not be modified for this purpose.

7910115/RVA 7910120/RVE 7910125/RVF 7910130/RVG	FUNDAMENTAL ENGLISH 1	
	FUNDAMENTAL ENGLISH 2	
	FUNDAMENTAL ENGLISH 3	
	FUNDAMENTAL ENGLISH 4	
	Offered:	For students with disabilities in a 9 th grade cohort prior to 14-15
	Credit:	Multiple
	Length:	1.0
	Prerequisite:	Year
	Type of Credit:	None
		Language Arts

The purpose of these courses is to provide students with disabilities, using texts of high complexity, integrated language arts study in reading, writing, speaking, listening, and language in preparation for college and career readiness.

The content should include, but not be limited to, the following:

- **active reading of varied texts for what they say explicitly, as well as the logical inferences that can be drawn**
- analysis of literature and informational texts from varied literary periods to examine:
 - text craft and structure
 - elements of literature
 - arguments and claims supported by textual evidence power and impact of language
 - influence of history, culture, and setting on language
 - personal critical and aesthetic response
- writing for varied purposes
 - developing and supporting argumentative claims
 - crafting coherent, supported informative/expository texts
 - responding to literature for personal and analytical purposes
 - writing narratives to develop real or imagined events
 - writing to sources using text-based evidence and reasoning
- ⌚ effective listening, speaking, and viewing strategies with emphasis on the use of evidence to support or refute a claim in multimedia presentations, class discussions, and extended text discussions
- ⌚ collaboration amongst peers

912110/RVH	FUNDAMENTAL EXPLORATIONS IN MATHEMATICS 1	
	Offered:	For students with disabilities in a 9 th grade cohort prior to 14-15
	Credit:	Multiple
	Length:	1.0 Year
	Prerequisite:	None
	Type of Credit:	Mathematics

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

7912115/RVI	FUNDAMENTAL EXPLORATIONS IN MATHEMATICS 2	
	Offered:	For students with disabilities in a 9 th grade cohort prior to 2014- 15 SY
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Mathematics

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

7912100/RVJ	FUNDAMENTAL ALGEBRAIC SKILLS	
	Offered:	For students with disabilities in a 9 th grade cohort prior to 2014- 15 SY
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Mathematics

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

7912105/RVK	FUNDAMENTAL CONSUMER MATHEMATICS	
	Offered:	For students with disabilities in a 9 th grade cohort prior to 2014- 15 SY
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Mathematics

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. The critical areas deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

7920030/RVL	FUNDAMENTAL INTEGRATED SCIENCE 1	
	Offered:	For students with disabilities in a 9 th grade cohort prior to 2014- 15 SY
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Science

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3).

Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).

Instructional Strategies

1. Utilize UDL strategies when planning lessons for all students.
2. Ensure that students have accessible instructional materials.
3. Ensure that students read from text that varies in length and complexity.
4. Provide graphic organizers and instruct students on how to use them properly to support understanding of concepts.
5. Use rubrics for assignments that clearly outline expectations for students.
6. Make close reading and rereading of texts central to lessons and provide guided practice and immediate feedback in how to do this.
7. Provide multiple opportunities to practice new vocabulary.
8. Provide explicit instruction in how students can locate evidence from text to support their answers.
9. Provide extensive research and writing opportunities (claims and evidence) based on student interest.
10. Provide students with outlines that assist them in note taking during teacher-led instruction.
11. Teach students to utilize appropriate graphic organizers or organize thoughts when planning for writing assignments.

7920035/RVM	FUNDAMENTAL INTEGRATED SCIENCE 2	
	Offered: Credit: Length: Prerequisite: Type of Credit:	For students with disabilities in a 9 th grade cohort prior to 2014- 15 SY 1.0 Year None Science

Laboratory investigations that include the use of scientific inquiry, research, measurement, problem solving, laboratory apparatus and technologies, experimental procedures, and safety procedures are an integral part of this course. The National Science Teachers Association (NSTA) recommends that at the high school level, all students should be in the science lab or field, collecting data every week. School laboratory investigations (labs) are defined by the National Research Council (NRC) as an experience in the laboratory, classroom, or the field that provides students with opportunities to interact directly with natural phenomena or with data collected by others using tools, materials, data collection techniques, and models (NRC, 2006, p. 3).

Laboratory investigations in the high school classroom should help all students develop a growing understanding of the complexity and ambiguity of empirical work, as well as the skills to calibrate and troubleshoot equipment used to make observations. Learners should understand measurement error; and have the skills to aggregate, interpret, and present the resulting data (National Research Council, 2006, p.77; NSTA, 2007).

Instructional Strategies

1. Utilize UDL strategies when planning lessons for all students.
2. Ensure that students have accessible instructional materials.
3. Ensure that students read from text that varies in length and complexity.
4. Provide graphic organizers and instruct students on how to use them properly to support understanding of concepts.
5. Use rubrics for assignments that clearly outline expectations for students.
6. Make close reading and rereading of texts central to lessons and provide guided practice and immediate feedback in how to do this.
7. Provide multiple opportunities to practice new vocabulary.
8. Provide explicit instruction in how students can locate evidence from text to support their answers.
9. Provide extensive research and writing opportunities (claims and evidence) based on student interest.
10. Provide students with outlines that assist them in note taking during teacher-led instruction.
11. Teach students to utilize appropriate graphic organizers or organize thoughts when planning for writing assignments.

7921035/RVN	FUNDAMENTAL US HISTORY	
	Offered: Credit: Length: Prerequisite: Type of Credit:	For students with disabilities in a 9 th grade cohort prior to 2014- 15 SY 1.0 Year None Social Studies

The grade 9-12 United States History course consists of the following content area strands: United States History, Geography, and Humanities. The primary content emphasis for this course pertains to the study of United States history from Reconstruction to the present day. Students will be exposed to the historical, geographic, political, economic, and sociological events which influenced the development of the United States and the resulting impact on world history. So that students can clearly see the relationship between cause and effect in historical events, students should have the opportunity to review those fundamental ideas and events which occurred before the end of Reconstruction. **Mathematics Benchmark Guidance** – Social Studies instruction should include opportunities for students to interpret and create representations of historical events and concepts using mathematical tables, charts, and graphs.

7921042/RVO	FUNDAMENTAL ECONOMICS WITH FINANCIAL LITERACY	
	Offered:	For students with disabilities in a 9 th grade cohort prior to 2014- 15 SY
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Social Studies

Economics - The grade 9-12 Economics course consists of the following content area strands: Economics and Geography. The primary content emphasis for this course pertains to the study of the concepts and processes of the national and international economic systems. Content should include, but is not limited to, currency, banking, and monetary policy, the fundamental concepts relevant to the major economic systems, the global market and economy, major economic theories and economists, the role and influence of the government and fiscal policies, economic measurements, tools, and methodology, financial and investment markets, and the business cycle. **Mathematics Benchmark Guidance** – Social Studies instruction should include opportunities for students to interpret and create representations of historical events and concepts using mathematical tables, charts, and graphs.

Instructional Strategies

1. Utilize UDL strategies when planning lessons for all students.
2. Ensure that students have accessible instructional materials.
3. Ensure that students read from text that varies in length and complexity.
4. Provide graphic organizers and instruct students on how to use them properly to support understanding of concepts.
5. Use rubrics for assignments that clearly outline expectations for students.
6. Make close reading and rereading of texts central to lessons and provide guided practice and immediate feedback in how to do this.
7. Provide multiple opportunities to practice new vocabulary.
8. Provide explicit instruction in how students can locate evidence from text to support their answers.
9. Provide extensive research and writing opportunities (claims and evidence) based on student interest.
10. Provide students with outlines that assist them in note taking during teacher-led instruction.
11. Teach students to utilize appropriate graphic organizers or organize thoughts when planning for writing assignments.

Additional content that may be contained in the NAEP Grade 12 United States History assessment includes material from all time periods on the following topics:

- ⌚ Change and Continuity in American Democracy: Ideas, Institutions, Events, Key Figures, and Controversies
- ⌚ The Gathering and Interactions of Peoples, Cultures, and Ideas
- ⌚ Economic and Technological Changes and Their Relationship to Society, Ideas, and the Environment
- ⌚ The Changing Role of America in the World

The NAEP frameworks for United States History may be accessed at:

<http://www.nagb.org/content/nagb/assets/documents/publications/frameworks/historyframework.pdf>

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7921045/RVP	FUNDAMENTAL UNITED STATES GOVERNMENT	
	Offered: Credit: Length: Prerequisite: Type of Credit:	For students with disabilities in a 9 th grade cohort prior to 2014- 15 SY .50 Semester None Social Studies

United States Government - The grade 9-12 United States Government course consists of the following content area strands: Geography, Civics and Government. The primary content for the course pertains to the study of government institutions and political processes and their historical impact on American society. Content should include, but is not limited to, the functions and purpose of government, the function of the state, the constitutional framework, federalism, separation of powers, functions of the three branches of government at the local, state and national level, and the political decision-making process.

Mathematics Benchmark Guidance - Social Studies instruction should include opportunities for students to interpret and create representations of historical events and concepts using mathematical tables, charts, and graphs.

Instructional Strategies

1. Utilize UDL strategies when planning lessons for all students.
2. Ensure that students have accessible instructional materials.
3. Ensure that students read from text that varies in length and complexity.
4. Provide graphic organizers and instruct students on how to use them properly to support understanding of concepts.
5. Use rubrics for assignments that clearly outline expectations for students.
6. Make close reading and rereading of texts central to lessons and provide guided practice and immediate feedback in how to do this.
7. Provide multiple opportunities to practice new vocabulary.
8. Provide explicit instruction in how students can locate evidence from text to support their answers.
9. Provide extensive research and writing opportunities (claims and evidence) based on student interest.
10. Provide students with outlines that assist them in note taking during teacher-led instruction.
11. Teach students to utilize appropriate graphic organizers or organize thoughts when planning for writing assignments.

Additional content that may be included in the Grade 12 NAEP Civics assessment includes:

- ⌚ Distinctive characteristics of American society
- ⌚ Unity/diversity in American society
- ⌚ Civil society: nongovernmental associations, groups
- ⌚ Nation-states
- ⌚ Interaction among nation-states
- ⌚ United States, major governmental, nongovernmental international organizations

The NAEP frameworks for Civics may be accessed at:

<http://www.nagb.org/publications/frameworks/civicsframework.pdf>

SPECIAL SKILLS COURSES

7963070/RUG	UNIQUE SKILLS: SOCIAL AND EMOTIONAL 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide instruction related to environmental, interpersonal, and task-related behavior of students with disabilities. The content should include, but not be limited to, the following: appropriate classroom behavior, social and personal development, communication skills, behavioral control, conflict resolution, responsibility, interpersonal and intrapersonal problem solving, and appropriate use of leisure time. This entire course may not be mastered in one year.

7963080/RUH	LEARNING STRATEGIES: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide instruction that enables students with disabilities to acquire and use strategies and skills to enhance their independence as learners in educational and community settings. The content should include, but not be limited to, the following: strategies for acquiring and storing knowledge; strategies for oral and written expression; strategies for problem solving; strategies for linking new information with prior knowledge; strategies for active participation in reading, viewing, and listening; self-regulated use of comprehension strategies; test taking strategies; time management and organizational skills; social skills; and self-advocacy and planning skills. This entire course may not be mastered in one year.

7963140/RUN	SELF-DETERMINATION: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to develop and apply self-determination skills in school, home, community, and work settings. These skills will assist students with achieving their desired school and post-school outcomes, participating actively and effectively in planning meetings and self-advocating in multiple settings. This entire course may not be mastered in one year.

7960010/RRA	Transition Planning 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to apply the knowledge and skills needed to design and implement personal plans for achieving their desired post-school outcomes. These plans will address all critical transition service areas, including instruction, related services, community experiences, employment, post-school adult living, and, if needed, daily living skills and functional vocational evaluation. The content should include, but not be limited to, the following: personal career planning, information about careers, diploma options and post-secondary education, community involvement and participation, personal care, interpersonal relationships, communication, and use of leisure time. This entire course may not be mastered in one year.

VOCATIONAL EDUCATION FOR STUDENTS WITH DISABILITIES

7980110/TNK	CAREER PREPARATION: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to acquire the career knowledge and skills necessary to identify career options, access community resources, and develop work-related behaviors. The course will provide a foundation for further progress toward achieving the student's desired post-school outcomes related to a career. The content should include, but not be limited to, the following: self-appraisal, decision-making, self-determination and self-advocacy, career options, community resources related to career decisions, workplace competencies, and rights and responsibilities of employees. This entire course may not be mastered in one year.

7980120/TNR	CAREER EXPERIENCES: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enable students with disabilities to further develop the career knowledge and skills necessary to identify career options, access community resources, and practice work-related behaviors. The course will provide guided practice and experiences in school and community work situations aimed at further progress toward achieving the student's desired post-school outcomes related to a career. The content should include, but not be limited to, the following: self-appraisal, decision-making, self-determination and self-advocacy, career options, community resources related to career decisions, workplace competencies, and rights and responsibilities of employees. This entire course may not be mastered in one year.

7980130/TNL	CAREER PLACEMENT: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	Career Preparation/Career Education/Career Experiences/or Job Preparatory Education
Type of Credit:	Elective	

The purpose of this course is to enable students with disabilities to use the career knowledge and skills necessary to identify career options, access community resources, and apply work-related behaviors. The course will provide placement in a job in the community aimed at further progress toward achieving the student's desired post-school outcomes related to a career. The content should include, but not be limited to, the following: self-appraisal, decision-making, self-determination and self-advocacy, career selection, community resources related to career decisions, workplace competencies, and advocating rights and responsibilities of employees. This entire course may not be mastered in one year.

7980150/TNO	SUPPORTED COMPETITIVE EMPLOYMENT	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
Type of Credit:	Elective	

The purpose of this course is to enable students with moderate and severe disabilities who are functioning at supported levels to acquire skills necessary for successful individual supported competitive employment. Supported employment refers to competitive work in an integrated work setting with ongoing support services for individuals with moderate and severe handicaps for whom competitive employment has not traditionally occurred. Features of supported employment include intensive onsite training, fade-off, ongoing monitoring, and onsite advocacy. Students will receive one-to-one intensive training by a job coach or employment specialist. The students will be paid at or above minimum wage. A weekly work hour goal is to be established for each individual that would maximize employment potential at the time of transition. The weekly work hour goal will be identified in the student's Transition Individual Educational Plan. Students will receive ongoing support with at least one hour of follow-along services per week at the job site after stabilization has been attained. Stabilization refers to the point at which onsite training and support services in an individual employment situation has been 20% or less of normal work hours for at least 60 calendar days. The content of the course is expected to be provided as part of employment activities, not as pre-employment. The content should include, but not be limited to, the following: positive work attitudes and habits, appropriate hygiene and grooming skills, related safety procedures, appropriate decision-making skills, specific job-related skills, and self-reliance and initiative. This entire course may not be mastered in one year.

ALL PROGRAMS
SPECIAL SKILLS COURSES

7963040/RUD	EXPANDED SKILLS: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to enhance the acquisition, comprehension, and use of language for students who are deaf or hard of hearing. The content should include, but not be limited to, the following: communication, hearing aids and assistive devices, community resources and services, hearing loss, deaf culture and heritage, and interpreters and note takers. This entire course may not be mastered in one year.

7963050/RUE	EXPANDED CORE COMPETENCIES: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies None
	Prerequisite:	Elective
	Type of Credit:	

The purpose of this course is to provide instruction for students who have visual impairments which affect their ability to function in the home, community, or educational setting. The content should include, but not be limited to, the following: maximum use of sensory input; access to print information through use of strategies and modifications for completion of general education requirements; personal communication systems; personal management; social and interpersonal relationships; and productivity and career options. This entire course may not be mastered in one year.

7963060/RUF	ORIENTATION AND MOBILITY SKILLS: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide instruction in skills involving orientation and mobility. Orientation is the collection and organization of information concerning the environment and one's relationship to it. Mobility is the ability to move efficiently within the environment. The content should include, but not be limited to, the following: developing safe, efficient and independent travel skills in one's neighborhood, community, and school environment; using major forms of public transportation; traveling to specified destinations in an unfamiliar environment; and locating and reading survival symbols in order to access public places. This entire course may not be mastered in one year.

THERAPY COURSES

7966010/TMA	PHYSICAL THERAPY: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide instruction to students with disabilities who have physically disabling conditions, including sensorimotor or neuromuscular deficits that substantially limit one or more major life activities and require adaptation of the school environment or curriculum in order to benefit from an educational program. The content should include, but not be limited to, the following: maintain, restore, or enhance motor and sensory skills; use adaptive equipment and assistive devices; and promote independence in mobility and management of health-related functions. This entire course may not be mastered in one year.

7966020/TMB	OCCUPATIONAL THERAPY: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies None
	Prerequisite:	Elective
	Type of Credit:	

The purpose of this course is to provide instruction to students with disabilities whose physical, motor, or neurological deficits result in significant dysfunction in daily living or academic learning skills to the extent that they require adaptation of the school environment or curriculum in order to benefit from an educational program. The content should include, but not be limited to, the following: maintain, restore, or enhance motor and sensory skills; use adaptive equipment and assistive devices; and promote independence in activities of daily living. This entire course may not be mastered in one year.

7966030/TMC	SPEECH THERAPY: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to provide students exhibiting communication disorders that negatively impact their ability to benefit from the educational process appropriate instruction in the communication skills necessary for academic learning, social interaction, and vocational success. The content should include, but not be limited to, the following: articulation therapy, fluency therapy, and voice therapy. This entire course may not be mastered in one year.

7966040/TMD	LANGUAGE THERAPY: 9-12	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Varies None
	Prerequisite:	Elective
	Type of Credit:	

The purpose of this course is to provide students exhibiting language disorders that negatively impact their ability to benefit from the educational process appropriate instruction in language skills, both oral and written, necessary for academic learning, social interaction, and vocational success. The content should include, but not be limited to, the following: form, including phonology, syntax, and morphology; content, including semantics; and function, including pragmatics. This entire course may not be mastered in one year.

CAREER AND TECHNICAL **EDUCATION**

Career and Technical Education

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AGRICULTURE, FOOD & NATURAL RESOURCES CLUSTER

PROGRAM NUMBER	AGRICULTURAL COMMUNICATIONS		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8117000 ✪	8106810/UWT	Agriscience Foundations 1*		Agricultural Associate
	8117010/UVR	Agricultural Communications 2	✓	
	8117020/UVS 8117020H/UVSH	Agricultural Communications 3 Agricultural Communications 3 HONORS	✓ ✓	Agricultural Communications

**Since July 2001, Agriscience Foundations 1 counts as a science credit for graduation.*

8106810/UWT	AGRISCIENCE FOUNDATIONS 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Science	

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; Agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in Agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

8117010/UVR	AGRICULTURAL COMMUNICATIONS 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Agriscience Foundations 1	
	Type of Credit:	Elective, Arts Elective	

This course is designed to develop competencies in the communications sector of the agricultural industry including instruction in developing and editing materials for printed media and media broadcast, utilizing photography and graphics, the importance of the internet in communications, writing technical papers and media scripts and ethical and professional issues in the industry.

8117020/UVS	AGRICULTURAL COMMUNICATIONS 3		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Agricultural Communications 2	
	Type of Credit:	Elective, Arts Elective	

This course is designed to further develop competencies in the communications sector the agricultural industry including instruction in developing and editing materials for printed media and media broadcast, utilizing photography and graphics, the importance of the internet in communications, writing technical papers and media scripts, ethical and professional issues in the industry, and marketing.

✪ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

8117020H/UVSH	AGRICULTURAL COMMUNICATIONS 3		HONORS Care
	er Prep		
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Agricultural Communications 2/Permission of Instructor/ Contract Required		
Type of Credit:	Elective, Arts Elective		

This honors course offers extensive experience in Communications. In addition to fulfilling all requirements of Agricultural Communications 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	AGRITECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8106800 ✪	8106810/UWT	Agriscience Foundations 1*		Agricultural Associate
	8106820/UWW	Agritechnology 1		
	8106830/UWX	Agritechnology 2		Agricultural Technician

*Since July 2001, Agriscience Foundations 1 counts as a science credit for graduation.

8106810/UWT	AGRISCIENCE FOUNDATIONS 1		Career Prep
	er Prep		
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective, Science		

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; Agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in Agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

8106820/UWW	AGRITECHNOLOGY 1		Career Prep
	er Prep		
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Agriscience Foundations		
Type of Credit:	1 Elective		

This course is designed to develop competencies in the areas of Agriscience industry careers; prevention and treatment of livestock diseases; livestock anatomy; wholesale cuts of meat; animal reproduction and identification; animal safety; animal-health certification; plant growth; plant fertilization; safe use of pesticides; maintenance of tools and equipment; record keeping; and employability skills.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8106830/UWX	AGRITECHNOLOGY 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Agritechnology	
	Type of Credit:	1 Elective	

This course is designed to develop competencies in the areas of job and training requirements; professional organizations; crop identification; planting crops; fertilizer calculations and application; irrigation; pest control; harvesting, packing, and grading crops, safe equipment operation; and finance.

PROGRAM NUMBER	ANIMAL SCIENCE AND SERVICES		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8106200 ✪	8106810/UWT	Agriscience Foundations 1*		Agricultural Associate
	8106210/UNF	Animal Science and Services 2		
	8106220/UNG	Animal Science and Services 3		
	8106230/UNH	Animal Science and Services 4		Animal Science

*Since July 2001, Agriscience Foundations 1 counts as a science credit for graduation.

8106210/UNF	ANIMAL SCIENCE AND SERVICES 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Agriscience Foundations 1	
	Type of Credit:	Elective	

This course is designed to develop competencies in the areas of safety; animal behavior; animal welfare; animal control; and employability skills.

8106220/UNG	ANIMAL SCIENCE AND SERVICES 3		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Animal Science and Services 2	
	Type of Credit:	Elective	

This course is designed to develop competencies in the areas of animal digestive systems; animal breeding; preventive medicine and disease control; control of parasites; animal marketing; and analyzing records

✪ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8106230/UNH	ANIMAL SCIENCE AND SERVICES 4		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Animal Science and Services 3 Elective	

This course is designed to develop competencies in the areas of animal digestive systems; animal breeding; preventive medicine and disease control; control of parasites; animal marketing; and analyzing records.

PROGRAM NUMBER	AQUACULTURE		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8004100 ✪	8106810/UWT	Agriscience Foundations 1*		Agricultural Associate
	8112010/UXH	Aquaculture 2		Aquaculture Technician
	8112020/UXI	Aquaculture 3		Aquaculture Technician

8106810/UWT	AGRISCIENCE FOUNDATIONS 1		Career
	Prep		
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 9, 10, 11, 12 1.0 Year None Elective, Science	

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; Agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in Agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

8112010/UXH	AQUACULTURE 2		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Agriscience Foundations 1 Elective	

This course is designed to develop competencies in the areas of nature and origin, career opportunities, biological principles, safety, water quality, seed production, market outlets, rules and regulations, technological advances, problem solving and leadership employability communication and human relations skills.

8112020/UXI	AQUACULTURE 3		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Aquaculture 2 Elective	

This course is designed to develop competencies in the area of management and use of water, the propagation and rearing of seed, producing aquaculture or mariculture species, control of diseases, pests and water quality problems, harvesting and processing, marketing and transportation, management skills and leadership, employability, communication and human

relation skills.

PROGRAM NUMBER	ENVIRONMENTAL RESOURCES		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8113000 ☼	8113010/UWO 8113010H/UWOH	Environmental Resources 3 Environmental Resources 3 HONORS		Agriculture Biotechnology Certification
	8113020/UWQ 8113020H/UWQH	Environmental Resources 4 Environmental Resources 4 HONORS		

THE ENVIRONMENTAL RESOURCES (8113000) PROGRAM IS DAGGERED FOR DELETION. There are NO new enrollments in this program. Only enroll current Environmental Resources program students into the Environmental Resources 4 course. The program Environmental Resources is replaced with NATURAL RESOURCES (8006200)

8113020/UWQ	ENVIRONMENTAL RESOURCES 4		Career
	Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Environmental Resources	
	Type of Credit:	3 Elective	

This course is designed to develop competencies in the areas of land management, weather systems, wildlife programs, commodity and non-commodity resources, sustainable agriculture and environmental research.

8113020H/UWQH	ENVIRONMENTAL RESOURCES 4 HONORS		Career Prep
	Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Environmental Resources 3/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in the Environment. In addition to fulfilling all requirements of Environmental Resources 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	NATURAL RESOURCES		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8006200 ☼	8106810/UWT	Agriscience Foundations 1*		Agricultural Associate
	8006220/UXJ	Introduction to Natural Resources 2		
	8006230/UXK	Natural Resource Technology 3		
	8006240/UXL	Natural Resource Management 4		

*Since July 2001, Agriscience Foundations 1 counts as a science credit for graduation.

****NEW PROGRAM: NATURAL RESOURCES (8006200) replaces the Environmental Resources (8113000) program.**

☼ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8106810/UWT	AGRISCIENCE FOUNDATIONS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Science	

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; Agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in Agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

8006220/UXJ	INTRODUCTION TO NATURAL RESOURCES 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Agriscience Foundations	
	Type of Credit:	1 Elective	

This course was developed as a core and is designed to develop competencies in the areas of Environmental Resources in agriculture, scientific investigation, laboratory safety, scientific and technological concepts; and the fundamentals of biotechnology.

8006230/UXK	NATURAL RESOURCE TECHNOLOGY 3		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Introduction to Natural Resources 2	
	Type of Credit:	Elective	

This course is designed to develop competencies in the areas of water treatment, storm water systems, Geographic Informational and Global Positioning Systems, environmental standards and regulations, career opportunities; scientific and research concepts; principles of leadership; and employability, and human relations skills. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

8006240/UXL	NATURAL RESOURCE MANAGEMENT 4		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Natural Resource Technology 3	
	Type of Credit:	Elective	

This course is designed to develop competencies in the areas of land management, weather systems, wildlife programs, commodity and non-commodity resources, sustainable agriculture and environmental research.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

PROGRAM NUMBER	FOOD SCIENCE APPLICATIONS		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8129200	8106810/UWT	Agriscience Foundations 1*		Agricultural Associate
	8129210/UXA	Food Science Applications 2	✓	ServSafe; Food Safety Manager
	8129220/UXB	Food Science Applications 3		ServSafe; Food Safety Manager

*Since July 2001, Agriscience Foundations 1 counts as a science credit for graduation.

8106810/UWT	AGRISCIENCE FOUNDATIONS 1		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective, Science		

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; Agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in Agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

8129210/UXA	FOOD SCIENCE APPLICATIONS 2		Career Prep
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Agriscience Foundations 1		
Type of Credit:	Elective		

This course is designed to develop competencies in the concepts related to: the use of taste and other sensory tests in developing foods; the application of scientific principles in food processing; food marketing; nutritional and economic value of plant-based food products; safe and efficient distribution and handling of food products; environmental factors in food production and processing; the global and historical impact of food on people; and employability skills necessary in the food industry.

8129210/UXAH	FOOD SCIENCE APPLICATIONS 2 HONORS		Career Prep
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Agriscience Foundations 1		
Type of Credit:	Elective		

This honors course offers extensive experience in Food Science. In addition to fulfilling all requirement of Food Science Applications 2, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8129220/UXB	FOOD SCIENCE APPLICATIONS 3		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Food Applications 2	
	Type of Credit:	Elective	

This course is designed to develop competencies the food industry. The course addresses concepts related to: developing new food products; scientific experimentation with the chemical and biological components of foods; the impact of microbes in food production; the nutritional and economic value of animal-based food products; food spoilage and waste management; safety and security risks in the food supply; the international trade of foods; and employability skills necessary in the food industry.

8129220/UXBH	FOOD SCIENCE APPLICATIONS 3, HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Food Applications 2	
	Type of Credit:	Elective	

This honors course offers extensive experience in Food Science. In addition to fulfilling all requirements of Food Science Applications 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	HORTICULTURE SCIENCE AND SERVICES		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8121600 ✨	8106810/UWT	Agriscience Foundations 1*		Agricultural Associate
	8121510/UWU	Introductory Horticulture 2	✓	
	8121520/UWV 8121520H/UWVH	Horticultural Science 3 Horticultural Science 3 HONORS	✓	FNGLA Certified Horticulture Professional
	8121610/UWE 8121610H/UWEH	Horticulture Science/Services 4 Horticulture Science/Services 4 HONORS		FNGLA Certified Horticulture Professional
	8121620/UWF 8121620H/UWFH	Horticulture Science/Services 5 Horticulture Science/Services 5 HONORS		FNGLA Certified Horticulture Professional
	8121630/UWG 8121630H/UWGH	Horticulture Science/Services 6 Horticulture Science/Services 6 HONORS		FNGLA Certified Horticulture Professional

*Beginning July 2001, Agriscience Foundations 1 counts as a science credit for graduation.

✨ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8106810/UWT	AGRISCIENCE FOUNDATIONS 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Science	

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; Agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in Agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

8121510/UWU	INTRODUCTORY HORTICULTURE 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Agriscience Foundations 1	
	Type of Credit:	Elective, Arts Elective	

This course is designed to develop competencies in the areas of career opportunities; global importance of agriculture; plant classification; propagation; growing media; nutritional needs; fertilization; irrigation; pest identification; pest control, pruning; plant installation; transplanting; safe hand-tool use; and employability skills.

8121520/UWV	HORTICULTURAL SCIENCE 3		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Introductory Horticulture 2	
	Type of Credit:	Elective, Arts Elective	

This course is designed to develop competencies in the areas of industry regulations; plant classification; plant transportation; soil sampling and analysis; fertilizer calculations; recording keeping; irrigation components, water quality; drainage; integrated pest management; pesticide safety and regulations; equipment calibration; chemical growth regulators; xeriscaping; integrated landscape management; safe use of power equipment; record keeping; and employability skills.

8121520H/UWVH	HORTICULTURAL SCIENCE 3		HONORSCar
	eer Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Introductory Horticulture 2/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in Horticulture. In addition to fulfilling all requirements of Horticultural Science 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8121610/UWE	HORTICULTURAL SCIENCE & SERVICES 4		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Horticultural Science 3	
	Type of Credit:	Elective	

This course is designed to further develop competencies in the areas of plant identification and classification; growing media; irrigation system set up; and maintaining and analyzing records including production costs.

8121610H/UWEH	HORTICULTURE SCIENCE & SERVICES 4		HONORSCar
	eer Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Horticulture Science 3/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Horticulture. In addition to fulfilling all requirements of Horticultural Science & Services 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8121620/UWF	HORTICULTURAL SCIENCE & SERVICES 5		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Horticulture Science & Services 4	
	Type of Credit:	Elective	

This course is designed to further develop competencies in the areas of identifying and evaluating IPM practices; maintaining and repairing irrigation systems; analyzing and evaluating fertilizer usage.

8121620H/UWFH	HORTICULTURE SCIENCE & SERVICES 5 HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Horticulture Science & Services 4/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Horticulture. In addition to fulfilling all requirements of Horticultural Science & Services 5, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

8121630/UWG	HORTICULTURAL SCIENCE & SERVICES 6		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Horticulture Science & Services 5 Elective	

This course is designed to further develop competencies in the areas of irrigation; growing media; planting beds and sites; propagation; marketing; repair and maintenance of nursery equipment and facilities.

8121630H/UWGH	HORTICULTURE SCIENCE & SERVICES 6 HONORS		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Horticulture Science & Services 5/Permission of Instructor/ Contract Required Elective	

This honors course offers extensive experience in Horticulture. In addition to fulfilling all requirements of Horticultural Science & Services 6, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	AGRICULTURE BIOTECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8003100	8106810/UWT	Agriscience Foundations 1*		Agricultural Associate
	8106850/UWH	Agricultural Biotechnology 2		
	8106860/UWJ	Agricultural Biotechnology 3		Agricultural Biotechnician

*Since July 2001, Agriscience Foundations 1 counts as a science credit for graduation.

8106810/UWT	AGRISCIENCE FOUNDATIONS 1		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 9, 10, 11, 12 1.0 Year None Elective, Science	

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; Agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in Agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8106850/UWH	AGRICULTURAL BIOTECHNOLOGY 2		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Agriscience Foundations 1 Elective	

This course was developed as a core and is designed to develop competencies in the areas of agricultural biotechnology in agriculture, scientific investigation, laboratory safety, scientific and technological concepts; and the fundamentals of biotechnology.

8106860/UWJ	Agricultural Biotechnology 3		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Agricultural Biotechnology 2 Elective	

This course is designed to enhance competencies in the areas of current agricultural biotechnology applications, genetic principles, tissue/cell culture, and the potential for biotechnology in the area of agriculture.

PROGRAM NUMBER	TECHNICAL AGRICULTURE OPERATIONS		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8005100	8106810/UWT	Agriscience Foundations 1*		Agricultural Associate
	8005110/UXC	Technical Agricultural Operations 2		
	8005120/UXD	Technical Agricultural Operations 3		Agricultural Mechanics

*Since July 2001, Agriscience Foundations 1 counts as a science credit for graduation.

8106810/UWT	AGRISCIENCE FOUNDATIONS 1		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 9, 10, 11, 12 1.0 Year None Elective, Science	

This course is designed to develop competencies in the areas of agricultural history and the global impact of agriculture; career opportunities; scientific and research concepts; biological and physical science principles; environmental principles; Agriscience safety; principles of leadership; and agribusiness, employability, and human relations skills in Agriscience. Laboratory-based activities are an integral part of this course. These include the safe use and application of appropriate technology, scientific testing and observation equipment.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8005110/UXC	TECHNICAL AGRICULTURAL OPERATIONS 2		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Agriscience Foundations 1 Elective	

This course is designed to develop competencies in the areas of safety; selection and use of tools; planning and building projects and construction of agricultural structures, including the use of electrical circuits, plumbing, concrete and masonry; and employability skills.

8005120/UXD	TECHNICAL AGRICULTURAL OPERATIONS 3		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Technical Agricultural Operations 2 Elective	

This course is designed to develop competencies in the areas of welding; small gasoline engine service and repair; preventative maintenance procedures; irrigation system repair; refrigeration; new and emerging technologies; financial management skills; and employability skills.

PROGRAM NUMBER	VETERINARY ASSISTING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8115110 ✨	8111510/UXP	Veterinary Assisting 1		Agricultural Associate
	8111540/UXQ	Veterinary Assisting 2		
	8111550/UXR 8111550H/UXRH	Veterinary Assisting 3 Veterinary Assisting 3 HONORS		Certified Veterinary Assistant
	8111520/UXS 8111520H/UXSH	Veterinary Assisting 4 Veterinary Assisting 4 HONORS		Certified Veterinary Assistant
	8111530/UXT 8111530H/UXTH	Veterinary Assisting 5 Veterinary Assisting 5 HONORS		Certified Veterinary Assistant

8111510/UXP	VETERINARY ASSISTING 1		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 9, 10, 11, 12 1.0 Year None Elective	

This course is designed is designed to develop competencies in areas such as the history of the animal industry; applied scientific and technological concepts; ecosystems; safety; and human relations skills

✨ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8111540/UXQ	VETERINARY ASSISTING 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Veterinary Assisting 1	
	Type of Credit:	Elective	

This course is designed to develop competencies in the areas such as global importance of the animal industry; career opportunities; animal behavior; animal welfare; and animal control.

8111550/UXR	VETERINARY ASSISTING 3		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Veterinary Assisting 2	
	Type of Credit:	Elective	

This course is designed to develop competencies in the areas of animal digestive systems; animal breeding; preventive medicine and disease control; control of parasites; animal marketing; and analyzing records.

8111550H/UXRH	VETERINARY ASSISTING 3		HONORSCareer Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Veterinary Assisting 2/Permission of Instructor/Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in animal care. In addition to fulfilling all requirements of Veterinary Assisting 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8111520/UXS	VETERINARY ASSISTING 4		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Veterinary Assisting 3	
	Type of Credit:	Elective	

This course is designed to develop competencies in the areas of animal welfare and rights; research; record keeping; disease and parasites.

8111520H/UXSH	VETERINARY ASSISTING 4 HONORS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Veterinary Assisting 3/Permission of Instructor/Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in animal care. In addition to fulfilling all requirements of Veterinary Assisting 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and

8111530/UXT	VETERINARY ASSISTING 5		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Veterinary Assisting 4	
	Type of Credit:	Elective	

This course is designed to develop competencies in the areas of grooming, effects of captivity of exotics; genetics and biotechnology in reproduction; diagnostic and therapeutic testing; surgical preparation; and pharmacology.

8111530H/UXTH	VETERINARY ASSISTING 5 HONORS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Veterinary Assisting 4/Permission of Instructor/Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in animal care. In addition to fulfilling all requirements of Veterinary Assisting 5, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	PRACTICAL ARTS COURSES	
	Course Number	Course Name
8500395	8500395/WPP	Food Science Safety and Technology

8500395/WPP	FOOD SCIENCE SAFETY AND TECHNOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

The purpose of this course is to give students an opportunity to apply knowledge and skills related to the area of food science and nutrition. The content includes but is not limited to food microbiology including microorganisms and methods of food preservation, physical and chemical changes in foods, structures, and functions of nutrients; and human physiology in relation to food.

🌀 GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8005100	8009120/UXE	Principals of Agribusiness
8100100	8100100/XWY	Agriculture, Food, & Natural Resources Directed Study
8100330	8100330/UWZ	Advanced Concepts of Agriscience
8100410	8100410/UWM	Agriculture, Food, & Natural Resources Cooperative <i>OJT</i>

8009120/UXE	PRINCIPALS OF AGRIBUSINESS Career Prep	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 1.0 Year None Elective

This course provides technical skill proficiency, occupation-specific skills and knowledge of all aspects of the agribusiness sector within the agriculture, food and natural resources career cluster.

8100100/XWY	AGRICULTURE, FOOD, AND NATURAL RESOURCES Career Prep <i>DIRECTED STUDY</i>	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 1.0 Year None Multiple

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the Agriculture, Food, & Natural Resources cluster that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed a specific Agriculture, Food, & Natural Resources career preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

8100330/UWZ	ADVANCED CONCEPTS OF AGRISCIENCE Career Prep	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 1.0 Year Teacher Recommendation Elective

The purpose of this one-credit course is to provide students who have completed, or are currently completing, an OCP in an agricultural program, a capstone experience in research or problem solving. The content is prescribed by the instructor based upon the individual student's assessed needs.

🌀 GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8100410/UWM	AGRICULTURE, FOOD, AND NATURAL RESOURCES COOPERATIVE OJT		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Enrollment in Agriculture Education Career Prep Program Multiple	

The purpose of this course is to provide an Agriculture, Food, & Natural Resources on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

ARCHITECTURE AND CONSTRUCTION CLUSTER

PROGRAM NUMBER	**BUILDING CONSTRUCTION TECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8720300 ✿	8720350/XRG 8720350H/XRGH	Building Construction Tech. 5 Building Construction Tech. 5 HONORS		Building Construction Technology
	8720360/XRH 8720360H/XRHH	Building Construction Tech. 6 Building Construction Tech. 6 HONORS		Building Construction Technology
	8720370/XRI 8720370H/XRIH	Building Construction Tech. 7 Building Construction Tech. 7 HONORS		Building Construction Technology

****THE BUILDING CONSTRUCTION TECHNOLOGY (8720300) PROGRAM IS DAGGERED FOR DELETION.** There are NO new enrollments in this program. Only enroll current Building Construction Technology program students into Building Construction Technology 5 - 7 courses. The program Building Construction Technology (8720300) is replaced with [BUILDING TRADES & CONSTRUCTION DESIGN TECHNOLOGIES \(8722000\)](#).

8720350/XRG	BUILDING CONSTRUCTION TECHNOLOGY 5		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 10, 11, 12 1.0 Year Building Construction Technology 4 Elective	

The purpose of this course is to develop knowledge and skills in the use of power tools and heavy equipment and in Carpentry skills and theory.

8720350H/XRGH	BUILDING CONSTRUCTION TECHNOLOGY 5 HONORS	Career Prep
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Offered:	Grade 10, 11, 12
Credit:	1.0
Length:	Year
Prerequisite:	Building Construction Technology 4/Permission of Instructor/ Contract Required
Type of Credit:	Elective

This honors course offers extensive experience in Building Construction. In addition to fulfilling all requirements of Building Construction 5, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

8720360/XRH	BUILDING CONSTRUCTION TECHNOLOGY 6	Career Prep
Offered:	Grade 10, 11, 12	
Credit:	1.0	
Length:	Year	
Prerequisite:	Building Construction Technology 5	
Type of Credit:	Elective	

The course is designed to develop competencies in theory, construction and installation of cabinets, finishes, roofs, and plumbing systems.

8720360H/XRHH	BUILDING CONSTRUCTION TECHNOLOGY 6 HONORS	Career Prep
Offered:	Grade 10, 11, 12	
Credit:	1.0	
Length:	Year	
Prerequisite:	Building Construction Technology 5/Permission of Instructor/ Contract Required	
Type of Credit:	Elective	

This honors course offers extensive experience in Building Construction. In addition to fulfilling all requirements of Building Construction 6, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8720370/XRI	BUILDING CONSTRUCTION TECHNOLOGY 7	Career Prep
Offered:	Grade 10, 11, 12	
Credit:	1.0	
Length:	Year	
Prerequisite:	Building Construction Technology 6	
Type of Credit:	Elective	

This course is designed to provide students with an in-depth knowledge of building construction technology and skills in the installation, repair and replacement of electrical, heating, ventilation, and air-cooling (HVAC) systems; site preparation and maintenance; and entrepreneurship.

8720370H/XRIH	BUILDING CONSTRUCTION TECHNOLOGY 7 HONORS	Career Prep
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Offered:	Grade 10, 11, 12
Credit:	1.0
Length:	Year
Prerequisite:	Building Construction Technology 6/Permission of Instructor/ Contract Required
Type of Credit:	Elective

This honors course offers extensive experience in Building Construction. In addition to fulfilling all requirements of Building Construction 7, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

❁ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

PROGRAM NUMBER	**BUILDING TRADES AND CONSTRUCTION DESIGN TECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8722000	8722010/XRJ	Building Trades and Construction Design Technology 1		
	8722020/XRK	Building Trades and Construction Design Technology 2		
	8722030/XRL	Building Trades and Construction Design Technology 3	✓	Building Construction Technology
	8722040/XRM	Building Trades and Construction Design Technology 4		Building Construction Technology

****NEW PROGRAM:** BUILDING TRADES AND CONSTRUCTION DESIGN TECHNOLOGY (8722000) replaces the Building Construction Technology (8720300) program.

8722010/XRJ	BUILDING TRADES AND CONSTRUCTION DESIGN TECHNOLOGY 1 Career Prep	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

The purpose of this course is to develop the competencies essential to the building construction industry. These competencies include skills and knowledge related to safety practices, understanding all aspects of the industry, the use of hand and power tools, employability skills, human relations and leadership skills and related construction theory.

8722020/XRK	BUILDING TRADES AND CONSTRUCTION DESIGN TECHNOLOGY 2 Career Prep	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Building Trades and Construction Design Technology 1
	Type of Credit:	Elective

The purpose of this course is to develop the competencies necessary for the building, construction, and repair industry. These competencies relate to communication and computer skills; construction components, materials and hardware; and blueprints, specifications, and construction documents.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8722030/XRL	BUILDING TRADES AND CONSTRUCTION DESIGN TECHNOLOGY 3 Career Prep	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Building Trades and Construction Design Technology 2
	Type of Credit:	Elective, Arts Elective

The purpose of this course is to develop the competencies necessary for the building, construction and repair industry. These competencies relate to entrepreneurship, building codes and regulations, and CAD drawings and construction documents.

8722040/XRM	BUILDING TRADES AND CONSTRUCTION DESIGN TECHNOLOGY 4 Career Prep	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Building Trades and Construction Design Technology 3
	Type of Credit:	Elective

The purpose of this course is to provide students with hands on skills in the carpentry and masonry trades.

PROGRAM NUMBER	**CARPENTRY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8722100 ✿	8722130/XTL 8722130H/XTLH	Carpentry & Cabinetmaking 3 Carpentry & Cabinetmaking 3 HONORS		Building Construction Technology
	8722140/XTM 8722140H/XTMH	Carpentry 4 Carpentry 4 HONORS		Building Construction Technology
	8722150/XTN 8722150H/XTNH	Carpentry 5 Carpentry 5 HONORS		Building Construction Technology
	8722160/XTO 8722160H/XTOH	Carpentry 6 Carpentry 6 HONORS		Building Construction Technology

****THE CARPENTRY PROGRAM (8722100) IS DAGGERED FOR DELETION.** There are NO new enrollments in this program. Only enroll current Carpentry program students into Carpentry 3 - 6 courses. The Carpentry program (8722100) is replaced with a NEW CARPENTRY PROGRAM (8104500).

8722130/XTL	CARPENTRY AND CABINETMAKING 3 Career Prep	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Carpentry & Cabinetmaking 2
	Type of Credit:	Elective

This course provides students with an in-depth knowledge of trim and finish carpentry. It trains students to use blueprints

and specifications and to install an exterior covering and trim, interior doors, interior-stair systems, interior walls, ceiling coverings, and cabinet and shelving.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

8722130H/XTLH	CARPENTRY AND CABINETMAKING 3 HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry & Cabinetmaking 2/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Carpentry. In addition to fulfilling all requirements of Carpentry and Cabinetmaking 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8722140/XTM	CARPENTRY 4		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry & Cabinetmaking 3	
	Type of Credit:	Elective	

This course provides students with the knowledge and skills needed for trim and finish carpentry. The content is related to interior stair systems, interior wall and ceiling covering systems, cabinets and shelving.

8722140H/XTMH	CARPENTRY 4 HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry & Cabinetmaking 3/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Carpentry. In addition to fulfilling all requirements of Carpentry 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8722150/XTN	CARPENTRY 5		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry 4	
	Type of Credit:	Elective	

This course provides students with the knowledge and skills needed for frame and form carpentry. The content related to blueprints and specifications; site preparation; framing members, walls, and partition framing; roof framing; roof trusses; and sheathing.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

8722150H/XTNH	CARPENTRY 5 HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry 4/Permission of Instructor/Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Carpentry. In addition to fulfilling all requirements of Carpentry 5, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8722160/XTO	CARPENTRY 6		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry 5	
	Type of Credit:	Elective	

This course provides students with the in-depth knowledge and skills needed for frame and form carpentry. The content deals with the use of a transit and a builder's level; the construction of forms; and the installation of rigging and scaffolding, exterior doors and stairs, and window units.

8722160H/XTOH	CARPENTRY 6 HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry 5/Permission of Instructor/Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Carpentry. In addition to fulfilling all requirements of Carpentry 6, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	**CARPENTRY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8104500	8104510/XTP	Carpentry 1		
	8104520/XTQ	Carpentry 2	✓	
	8104530/XTR	Carpentry 3 HONORS		Building Construction Technology
	8722140/XTS	Carpentry 4 HONORS		Building Construction Technology

****NEW PROGRAM:** The NEW CARPENTRY PROGRAM (8104500) replaces the old Carpentry program (8722100).

⚙️ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8104510/XTP	CARPENTRY 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

The purpose of this course is for the student to develop competencies essential to the carpentry industry. These competencies include safety, use of manual and power tools, applied math, plan reading, building materials, fasteners and hardware.

8104520/XTQ	CARPENTRY 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry 1	
	Type of Credit:	Elective	

The purpose of this course is for the student to continue developing competencies essential to the carpentry profession. These competencies include safety, hand and power tools, fastening methods, cabinet assembly and plan reading.

8104530/XTR	CARPENTRY 3 HONORS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry 2	
	Type of Credit:	Elective	

This course provides students with a more in-depth knowledge of trim and finish carpentry, as well as an introduction to rough carpentry. Students will further their understanding of plan and specifications, assemble and install cabinetry, install doors, frame floors and walls and construct stairs.

8722140/XTS	CARPENTRY 4 HONORS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Carpentry 3	
	Type of Credit:	Elective	

This course provides students with knowledge and skills pertaining to codes, roof framing and applications, wall framing and site preparation.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8700400	8700400/XXA	Architecture and Construction Cooperative <i>OJT</i>

8700400/XXA	ARCHITECTURE AND CONSTRUCTION COOPERATIVE <i>OJT</i>		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Enrollment in a Career Prep Industrial Education Program	
	Type of Credit:	Elective	

The purpose of this course is to provide an Architecture and Construction on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

ARTS, AV, TECHNOLOGY, AND COMMUNICATION CLUSTER

PROGRAM NUMBER	DIGITAL AUDIO PRODUCTION		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8772300 ✨	8772310/YAC	Digital Audio Production 1	✓	
	8772320/YAD	Digital Audio Production 2	✓	
	8772330/YAE	Digital Audio Production 3	✓	
	8772340/YAF	Digital Audio Production 4	✓	

8772310/YAC	DIGITAL AUDIO PRODUCTION 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

The course provides competencies in operating audio consoles, production writing, news writing, and voice over and on-air skills.

8772320/YAD	DIGITAL AUDIO PRODUCTION 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Audio Production 1	
	Type of Credit:	Elective, Arts Elective	

This course provides competencies in the set up and configuration of a computer for audio applications and the operation of audio equipment.

8772330/YAE	DIGITAL AUDIO PRODUCTION 3		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Audio Production 2	
	Type of Credit:	Elective, Arts Elective	

This course covers competencies in digital audio production.

8772340/YAF	DIGITAL AUDIO PRODUCTION 4		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Audio Production 3	
	Type of Credit:	Elective, Arts Elective	

This course provides competencies in the operation of basic reproduction, reinforcement and recording audio equipment.

✨ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

PROGRAM NUMBER	**DIGITAL DESIGN		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8209600	8209550/VOS	Digital Design 5		ACA Illustrator, InDesign, Photoshop
	8209550H/VOSH	Digital Design 5 HONORS		

****THE DIGITAL DESIGN PROGRAM (8209600) IS DAGGERED FOR DELETION.** There are NO new enrollments in this program. Only enroll current Digital Design program students into the Digital Design 5 course. The program Digital Design (8209600) is replaced with DIGITAL MEDIA/MULTIMEDIA DESIGN (8201200).

8209550/VOS	DIGITAL DESIGN 5		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Design 4	
	Type of Credit:	Elective, Arts Elective	

This course continues the development of advanced industry-standard skills required for careers in the digital publishing industry. The content includes the use of a variety of software and equipment used to create multimedia presentations.

8209550H/VOSH	DIGITAL DESIGN 5 HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Design 4/Permission of Instructor/Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in Digital Design. In addition to fulfilling all requirements of Digital Design 5, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

⚙️ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

PROGRAM NUMBER	**DIGITAL MEDIA/MULTIMEDIA DESIGN		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8201200 ✪	8201210/VQS	Digital Media/Multimedia Foundations 1	✓	Adobe Certifications
	8201220/VQT	Digital Media/Multimedia Foundations 2	✓	Adobe Certifications
	8201230/VQU	Digital Media/Multimedia Foundations 3	✓	Adobe Certifications
	8201240/VQV	Digital Media/Multimedia Foundations 4	✓	Adobe Certifications
	8201250/VQW	Digital Media/Multimedia Foundations 5	✓	Adobe Certifications
	8201260/VQX	Digital Media/Multimedia Foundations 6	✓	Adobe Certifications
	8201270/VQY	Digital Media/Multimedia Foundations 7	✓	Adobe Certifications

****NEW PROGRAM:** The DIGITAL MEDIA/MULTIMEDIA DESIGN PROGRAM (8201200) replaces the Digital Design (8209600) program.

8201210/VQS	DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 1		Career Prep
Offered:	Grade 9, 10, 11		
Credit:	1.0		
Length:	Year		
Prerequisite:	Recommended Computer Applications for Business (8200200)/ Keyboarding (8200110)/Teacher Recommendation		
Type of Credit:	Elective, Arts Elective		

This course provides competencies in presentation production issues, basic computer knowledge, illustration software, digital still photography, and photo editing software.

8201220/VQT	DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 2		Career Prep
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Digital Media/Multimedia Foundations 1/Permission of Instructor		
Type of Credit:	Elective, Arts Elective		

This course covers competencies in advanced design, color modes, and fonts.

8201230/VQU	DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 3		Career Prep
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Digital Media/Multimedia Foundations 2/Permission of Instructor		
Type of Credit:	Elective, Arts Elective		

This course covers competencies in design layout software.

✪ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and

8201240/VQV	DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 4		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Media/Multimedia Foundations 3	
	Type of Credit:	Elective, Arts Elective	

This course covers competencies in webpage design, HTML and CSS, and authoring software for webpage design.

8201250/VQW	DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 5		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Media/Multimedia Foundations 4/Permission of Instructor	
	Type of Credit:	Elective, Arts Elective	

This course covers competencies in animated webpage design and the use of interactive design software.

8201260/VQX	DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 6		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Media/Multimedia Foundations 5/Permission of Instructor	
	Type of Credit:	Elective, Arts Elective	

This course covers competencies in the use of video editing software and equipment.

8201270/VQY	DIGITAL MEDIA/MULTIMEDIA FOUNDATIONS 7		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Media/Multimedia Foundations 6/Permission of Instructor	
	Type of Credit:	Elective, Arts Elective	

This course allows students to utilize authoring software, create an advertising campaign and participate in work-based learning experiences and career planning.

PROGRAM NUMBER	Digital Photography Technology		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8201300 ✪/VUA	8201310/VUB	Digital Photography 1	✓	Adobe Certifications
	8201320/VUC	Digital Photography 2		Adobe Certifications
	8201330/VUD	Digital Photography 3	✓	Adobe Certifications
	8201340/VUE	Digital Photography 4	✓	Adobe Certifications

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8201310/VUB	DIGITAL Photography 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Practical Arts Elective	

This course provides competencies in photographic history, the production process, intellectual property rights, camera systems, support equipment, basic photography and workflow application.

8201320/VUC	DIGITAL PHOTOGRAPHY 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course covers competencies in developing a production plan, creative direction and computer skills.

8201330/VUD	DIGITAL PHOTOGRAPHY 3		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course covers competencies in photo editing software, photographic lights, sets and photo processing.

8201340/VUE	DIGITAL PHOTOGRAPHY 4		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course covers competencies in photo/video journalism and digital single-lens reflex (DSLR) video production.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

PROGRAM NUMBER	**DIGITAL VIDEO PRODUCTION		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8772400 ✪	8772430/VPU 8772430H/VPUH	Digital Video Production 3 Digital Video Production 3 HONORS	✓	Adobe Certifications
	8772440/VDE 8772440H/VPVH	Digital Video Production 4 Digital Video Production 4 HONORS	✓	Adobe Certifications

****THE DIGITAL VIDEO PRODUCTION (8772400) PROGRAM IS DAGGERED FOR DELETION.** There are NO new enrollments in this program. Only enroll current Digital Video Production program students into the Digital Video Production 3 and 4 courses. The program Digital Video Production is replaced with DIGITAL VIDEO TECHNOLOGY (8201400).

8772430/VPU	DIGITAL VIDEO PRODUCTION 3		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 1.0 Year None Elective, Arts Elective	

This course covers competencies in safe work practices and lighting.

8772430/VPUH	DIGITAL VIDEO PRODUCTION 3		HONORSCar
	eer Prep		
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 1.0 Year None Elective, Arts Elective	

This honors course offers extensive experience in video production. In addition to fulfilling all requirements of Digital Video Production 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8772440/VDE	DIGITAL VIDEO PRODUCTION 4		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 1.0 Year None Elective, Arts Elective	

This course covers competencies in safe work practices; audio/ video recording, mixing, and editing; and shooting footage.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and

State research and labor market information

8772440/VPVH	DIGITAL VIDEO PRODUCTION 4		HONORSCar
	eer Prep		
Offered:	Grade 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective, Arts Elective		

This honors course offers extensive experience in video production. In addition to fulfilling all requirements of Digital Video Production 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	**DIGITAL VIDEO TECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8201400/VDA ✪	8201410/VDB	Digital Video Technology 1	✓	ACA Photoshop, Premiere
	8772420/VPT	Digital Video Production 2	✓	ACA Photoshop, Premiere, Flash
	8772430/VPU 8772430H/VPUH	Digital Video Production 3 Digital Video Production 3 HONORS	✓	ACA Photoshop, Premiere, Flash
	8772440/VDE 8772440H/VPVH	Digital Video Production 4 Digital Video Production 4 HONORS	✓	ACA Photoshop, Premiere, Flash

****NEW PROGRAM:** DIGITAL VIDEO TECHNOLOGY (8201400) replaces the Digital Video Production (8772400) program and the Television Production (8772100) program.

8201410/VDB	DIGITAL VIDEO TECHNOLOGY 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective, Arts Elective		

This course covers competencies in safe work practices, planning a production set, lighting planning, camera operation, and audio/video recording, mixing and editing.

8201420/VDC	DIGITAL VIDEO TECHNOLOGY 2		Career Prep
	Offered:	Grade 10, 11, 12	
Credit:	1.0		
Length:	Year		
Prerequisite:	Digital Video Technology 1		
Type of Credit:	Elective, Arts Elective		

This course provides students with intermediate level instruction in the digital video production process.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8201430/VDD	DIGITAL VIDEO TECHNOLOGY 3		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Video Technology 2	
	Type of Credit:	Elective, Arts Elective	

This course allows students to participate in the digital video pre-production, production and post-production processes.

8201430H/VDDH	DIGITAL VIDEO TECHNOLOGY 3 HONORS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Video Technology 2/Permission of Instructor/Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in Digital Video Technology. In addition to fulfilling all requirements of Digital Video Technology 3, students participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8201440/VDE	DIGITAL VIDEO TECHNOLOGY 4		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Video Technology 3	
	Type of Credit:	Elective, Arts Elective	

This course allows students to demonstrate proficiency in all phases of the digital video production process (pre-production, production and post-production).

8201440H/VDEH	DIGITAL VIDEO TECHNOLOGY 4 HONORS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Video Technology 3/Permission of Instructor/Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in Digital Video Technology. In addition to fulfilling all requirements of Digital Video Technology 4, students participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

- ◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8200430	8200430/VPW	Arts, A/V Technology and Communication Cooperative Education OJT

8200430/VPW	ARTS, A/V TECHNOLOGY AND COMMUNICATION COOPERATIVE EDUCATION OJT		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Enrollment in a Career Prep Arts, A/V Technology and/or Communication Education Program	
	Type of Credit:	Elective	

The purpose of this course is to provide Arts, A/V Technology and Communication on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

BUSINESS MANAGEMENT AND ADMINISTRATION CLUSTER

PROGRAM NUMBER	ACCOUNTING APPLICATIONS		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8302100 ✪	8207310/VQA	Digital Information Technology	✓	Microsoft Office Specialist (MOS)
	8203310/VMB	Accounting Applications 1		
	8203320/VMC	Accounting Applications 2		QuickBooks
	8203330/VML	Accounting Applications 3		QuickBooks

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

✪ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

8203310/VMB	ACCOUNTING APPLICATIONS 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Computing for College & Careers	
	Type of Credit:	Elective	

This course emphasizes double-entry accounting; methods and principles of recording business transactions; the preparation of various documents used in recording income, expenses, acquisition of assets, incurrence of liabilities, and changes in equity; and the preparation of financial statements. The use of computers is required.

8203320/VMC	ACCOUNTING APPLICATIONS 2		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Accounting Applications 1	
	Type of Credit:	Elective	

This course is designed to continue the study of accounting principles. The content includes voucher systems, cash receipts, petty cash, payroll records, and internal control systems. The use of computers is required.

8203330/VML	ACCOUNTING APPLICATIONS 3		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Accounting Applications 2	
	Type of Credit:	Elective	

This course continues the study of accounting principles and applies those principles to various entities. The content includes methods for determining the cost of merchandise inventory, general ledger account analysis, and the aging process. The use of computers is required.

PROGRAM NUMBER	PROMOTIONAL ENTERPRISE		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8217100 ✦	8207310/VQA	Digital Information Technology	✓	Microsoft Office Specialist (MOS)
	8217110/YUJ	Custom Promotional Layout Design	✓	Adobe Certifications
	8217120/YUK	Promotional Design Management		Adobe Certifications
	8217130/YUL	Custom Promotional Sales and Distribution Management	✓	Adobe Certifications
	8217140/YUO	Promotional Business Management and Supervision 1		Adobe Certifications
	8217160/YUQ	Legal Aspects of Promotional Industry Ownership		Adobe Certifications

✦ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Art Elective	

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; and emerging technologies and web page design.

8217110/YUJ	CUSTOM PROMOTIONAL LAYOUT DESIGN		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course is designed to develop basic entry-level skills required for careers in the custom imprinted merchandise industry. The content includes computer skills, layout, design, measurement activities, and decision-making activities, digital imaging, sublimation activities, and digital embroidery activities, digital precision cutting activities, direct to garment printing activities, and sign making activities. After successful completion of Custom Promotional Layout Design students will be able to perform basic design and layout in predictable situations

8217120/YUK	PROMOTIONAL DESIGN MANAGEMENT		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is designed to develop mid-level management skills required in the imprinted merchandise industry. The content includes real world production schedules for single lines of merchandise, management of production equipment, customer relations, and sales of imprinted merchandise and delivery of the product. This course is designed to be done in a real production environment through placement in a school-based imprinted merchandise enterprise or industry internship placement. After successful completion of Custom Promotional Sales and Distribution the student will be able to manage a production line from customer product design through delivery of final product.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

8217130/YUL	CUSTOM PROMOTIONAL SALES & DISTRIBUTION MANAGEMENT		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course is designed to develop mid-level management skills required in the imprinted merchandise industry. The content includes real world production schedules for single lines of merchandise, management of production equipment, customer relations, and sales of imprinted merchandise and delivery of the product. This course is designed to be done in a real production environment through placement in a school-based imprinted merchandise enterprise or industry internship placement. After successful completion of Custom Promotional Sales and Distribution the student will be able to manage a production line from customer product design through delivery of final product.

8217140/YUO	PROMOTIONAL BUSINESS MANAGEMENT & SUPERVISION 1		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is designed to develop entry-level skills required in management and supervision in the imprinted merchandise industry. The content includes activities in equipment operation and maintenance, small business development, market evaluation, and economic effects on small businesses in the United States. After successful completion of Promotional Business Management and Supervision 1, students will be able to organize a small business in the imprinted merchandise industry.

8217160/YUQ	LEGAL ASPECTS OF PROMOTIONAL INDUSTRY OWNERSHIP		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is designed to develop knowledge of legal requirements and resources for owners of businesses in the imprinted merchandise industry. The content includes activities on incorporating, taxation, legal recourses, and free enterprise design. After successful completion of Legal Aspects of Promotional Industry Ownership, students will be able to set up a corporation in the imprinted merchandise industry.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

PROGRAM NUMBER	PRACTICAL ARTS COURSES	
	Course Number	Course Name
8500375	8500375/WPO	Blueprint for Professional Success

8500375/WPO	BLUEPRINT FOR PROFESSIONAL SUCCESS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Practical Arts

The purpose of this course is to assist students in making informed decisions regarding their future academic and occupational goals. Emphasis will include technology resources to investigate the broad range of occupations and careers in family and consumer sciences. The concept includes, but is not limited to, personal decision making as it applies to careers, occupations and entrepreneurial opportunities

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8200410	8200410/VRT	Business, Management & Administration Cooperative <i>OJT</i>
8200100	8200100/YAA	Business Management & Administration <i>Directed Study</i>
8200420	8200420/VRU	Business Management & Administration <i>Organization & Management</i>

8200410/VRT	BUSINESS MANAGEMENT AND ADMINISTRATION <i>OJT</i>		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Completion of Business Management & Administration program	
	Type of Credit:	Elective	

The purpose of this course is to provide a *Business Management and Administration* on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

✿ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

8200100/YAA	BUSINESS MANAGEMENT AND ADMINISTRATION		Career Prep
	<i>DIRECTED STUDY</i>		
	Offered:	Grade 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Completion of Business Management & Administration program	
	Type of Credit:	Elective	

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the *Business Management and Administration* cluster that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed a specific *Business Management and Administration* career preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

8200420/VRU	BUSINESS MANAGEMENT AND ADMINISTRATION		Career Prep
	<i>ORGANIZATION AND MANAGEMENT</i>		
	Offered:	Grade 10, 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Enrollment in Business Management & Administration OJT	
	Type of Credit:	Elective	

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the *Business Management and Administration* cluster that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed a specific *Business Management and Administration* career preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

EDUCATION AND TRAINING CLUSTER

PROGRAM NUMBER	EARLY CHILDHOOD EDUCATION		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8405100 ✪	8405110/WQP	Early Childhood Education 1		ECPC
	8405120/WQQ	Early Childhood Education 2		ECPC
	8405130/WQS 8405130H/WQSH	Early Childhood Education 3 Early Childhood Education 3 HONORS		ECPC
	8405140/WQT 8405140H/WQTH	Early Childhood Education 4 Early Childhood Education 4 HONORS		ECPC

8405110/WQP	EARLY CHILDHOOD EDUCATION 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

The purpose of this course is to assist students to identify career and job opportunities; to maintain a safe, clean and healthy learning environment; to identify principles of child development; to identify age-appropriate physical, intellectual, social and emotional development activities; and to identify rules and regulations that govern child care.

8405120/WQQ	EARLY CHILDHOOD EDUCATION 2		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Early Childhood Education 1	
	Type of Credit:	Elective	

The purpose of this course is to assist students to identify various observations and recording methods; to maintain a safe, clean and healthy learning environment; to guide physical, intellectual, social and emotional development activities; to assist with the food service program; to use appropriate guidance and discipline techniques, and to identify and report suspected child abuse and neglect.

8405130/WQS	EARLY CHILDHOOD EDUCATION 3		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Early Childhood Education 2	
	Type of Credit:	Elective, Arts Elective	

The purpose of this course is to assist students to guide young children in physical, intellectual, social and emotional development activities; to demonstrate communication and employability skills and to develop and maintain a professional attitude toward child care.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and

8405130H/WQSH	EARLY CHILDHOOD EDUCATION 3 HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Early Childhood Education 2/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in Child Care. In addition to fulfilling all requirements of Early Childhood Education 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8405140/WQT	EARLY CHILDHOOD EDUCATION 4		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Early Childhood Education 3	
	Type of Credit:	Elective	

The purpose of this course is to assist students to guide young children in physical, intellectual, social and emotional development activities; to demonstrate communication and employability skills and to develop and maintain a professional attitude toward child care.

8405140H/WQTH	EARLY CHILDHOOD EDUCATION 4 HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Early Childhood Education 3	
	Type of Credit:	Elective	

This honors course offers extensive experience in Child Care. In addition to fulfilling all requirements of Early Childhood Education 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

PROGRAM NUMBER	PRINCIPLES OF TEACHING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8909000 ✪	8909010/VRA	Introduction to the Teaching Profession		
	8909020/VRB	Human Growth and Development		
	8909030/VRC	Foundations of Curriculum and Instruction		
	8909030H/VRCH	Foundations of Curriculum and Instruction HONORS		
	8909040/VRD 8909040H/VRDH	Principles of Teaching Internship Principles of Teaching Internship HONORS		

8909010/VRA	INTRODUCTION TO THE TEACHING PROFESSION		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is designed to develop competencies related to the role, regulations, and career path of teacher aides; the role of education; leadership and CTSO activities; interpersonal and communication skills; and educational-support tasks.

8909020/VRB	HUMAN GROWTH AND DEVELOPMENT		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Teacher Assisting 1	
	Type of Credit:	Elective	

This course is designed to develop competencies in the operation of audiovisual equipment; job-related math skills; test administration and grading; job-related computer applications; visual aids preparation; the supervision of student health and safety; and the reporting of child abuse and drug abuse. It also requires a teaching practicum experience that involves direct student contact.

8909030/VRC	FOUNDATIONS OF CURRICULUM AND INSTRUCTION		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Teacher Assisting 2	
	Type of Credit:	Elective	

This course is designed to develop competencies related to supporting the learning activities of students, establishing and maintaining appropriate student behaviors, and supporting cooperative home-school relationships. It develops competencies in employability skills and entrepreneurship. It also requires the completion of the teaching practicum experience that involves direct contact with students.

✪ GOLD SEAL PROGRAM

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8909030H/VRCH	FOUNDATIONS OF CURRICULUM AND INSTRUCTION		HONORSCar
	eer Prep		
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Teacher Assisting 2/Permission of Instructor/Contract Required		
Type of Credit:	Elective		

This honors course offers extensive experience in Teacher Assisting. In addition to fulfilling all requirements of Teacher Assisting 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8909040/VRD	PRINCIPLES OF TEACHING INTERNSHIP		Career Prep
	er Prep		
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Teacher Assisting 3		
Type of Credit:	Elective		

This course is designed to develop competencies related to employability skills; developing relationships between school and the home; intrapersonal skills and professionalism. During this course students must participate in and document a 50-hour practicum (this is in addition to the 25-hour practicum in Teacher Assisting 3). A formal observation of the student must be conducted by the instructor during the latter part of the practicum experience. The student must submit a completed portfolio to the instructor by the end of this course.

8909040H/VRDH	PRINCIPLES OF TEACHING INTERNSHIP		HONORSCare
	er Prep		
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Teacher Assisting 3/Permission of Instructor/Contract Required		
Type of Credit:	Elective		

This honors course offers extensive experience in Teacher Assisting. In addition to fulfilling all requirements of Teacher Assisting 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	PRACTICAL ARTS COURSES	
	Course Number	Course Name
8500310	8500310/WPA	Child Development

8500310/WPA	CHILD DEVELOPMENT	
	Offered:	Grade 9, 10, 11, 12
Credit:	.50	
Length:	Semester	
Prerequisite:	None	
Type of Credit:	Practical Arts	

This course emphasizes knowledge and skills needed to prepare students to understand the nature of child development from prenatal care through age six. The role of communication and guidance in the parent/child

relationship are emphasized as well as basic needs and the principles of human development.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8500410	8500410/WTA	Education & Training <i>Cooperative OJT</i>
8500100	8500100/YST	Education & Training <i>Directed Study</i>

8500410/WTA	EDUCATION AND TRAINING COOPERATIVE <i>OJT</i>		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Enrolled in Education & Training Program	
	Type of Credit:	Elective	

The purpose of this course is to provide an *Education and Training* on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

8500100/YST	EDUCATION AND TRAINING <i>DIRECTED STUDY</i>		Career Prep
	Offered:	Grade 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Completed Education & Training Career Prep Program	
	Type of Credit:	Elective	

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the *Education and Training* cluster that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed a specific *Education and Training* career preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

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ENGINEERING AND TECHNOLOGY EDUCATION CLUSTER

PROGRAM NUMBER	AEROSPACE TECHNOLOGIES		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8600080 ✦	8600580/XPE	Aerospace Technologies 1	✓	
	8600680/XPF	Aerospace Technologies 2	✓	
	8601780/XPG 8601780H/XPGH	Aerospace Technologies 3 Aerospace Technologies 3 HONORS	✓ ✓	Small UAS Safety: Visual Line of Sight Systems; FAA Private Pilot

8600580/XPE	AEROSPACE TECHNOLOGIES 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective, Arts Elective

This course (the first of three in the aerospace program) is designed to familiarize students with a foundation of knowledge and technically-oriented experiences in the study of aerospace and its effect upon our lives and the choosing of an occupation. The content and activities include the study of entrepreneurship, safety, and leadership skills. The program focuses on transferable skills and stresses understanding and demonstrating the technological tools, machines, instruments, materials, processes and systems in business and industry.

8600680/XPF	AEROSPACE TECHNOLOGIES 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Aerospace Technology 1
	Type of Credit:	Elective, Arts Elective

This course (the second of three in the aerospace program) is designed to familiarize students with a foundation of knowledge and technically-oriented experiences in the study of aerospace and its effect upon our lives and the choosing of an occupation. The content and activities include the study of entrepreneurship, safety, and leadership skills. The program focuses on transferable skills and stresses understanding and demonstrating the technological tools, machines, instruments, materials, processes and systems in business and industry.

8601780/XPG	AEROSPACE TECHNOLOGIES 3	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Aerospace Technology 2
	Type of Credit:	Elective, Arts Elective

This course (the third of three in the aerospace program) is designed to familiarize students with a foundation of knowledge and technically-oriented experiences in the study of aerospace and its effect upon our lives and the choosing of an occupation. The content and activities include the study of entrepreneurship, safety, and leadership skills. The program focuses on transferable skills and stresses understanding and demonstrating the technological tools, machines, instruments, materials, processes and systems in business and industry.

✦ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8601780H/XPGH	AEROSPACE TECHNOLOGIES 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Aerospace Technology 2/Permission of Instructor/ Contract Required
	Type of Credit:	Elective, Arts Elective

This honors course offers extensive experience in Engineering & Technology Education. In addition to fulfilling all requirements of Aerospace Technology 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	*APPLIED ENGINEERING TECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8401100	8401110/XPH	Applied Engineering Technology 1	✓	
	8401120/XPI	Applied Engineering Technology 2		Autodesk Inventor
	8401130/XPJ	Applied Engineering Technology 3	✓	Autodesk Inventor
	8401130H/XPJH	Applied Engineering Technology 3 HONORS		

8401110/XPH	APPLIED ENGINEERING TECHNOLOGY 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective

This course helps students understand the field of engineering/engineering technology and prepares them for postsecondary engineering programs by developing a more in-depth mastery of the associated mathematics, science, and technology knowledge and skills. The course also includes essential concepts of technology and design, as well as concerns about the social and political implications of technological change.

8401120/XPI	APPLIED ENGINEERING TECHNOLOGY 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Applied Engineering Technology 1
	Type of Credit:	Elective

This course provides students with opportunities to further their mastery of engineering-related math and science principles to design solutions to real world problems. The course also includes a more in-depth look into the relationship between technology and design.

GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8401130/XPJ	APPLIED ENGINEERING TECHNOLOGY 3	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Applied Engineering Technology 2
Type of Credit:	Elective	

This course provides opportunities for students to apply their acquired knowledge and skills in engineering scenarios. The course features multiple options for providing context-based projects oriented to specific fields of engineering. This feature enables instruction in complex projects involving multi-faceted project teams by providing instruction oriented to four key engineering disciplines: mechanical, electrical, civil, and environmental.

8401130H/XPJH	APPLIED ENGINEERING TECHNOLOGY 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Applied Engineering Tech 2/Permission of Instructor/ Contract Required
Type of Credit:	Elective	

This course provides opportunities for students to apply their acquired knowledge and skills in engineering scenarios. The course features multiple options for providing context-based projects oriented to specific fields of engineering. This feature enables instruction in complex projects involving multi-faceted project teams by providing instruction oriented to four key engineering disciplines: mechanical, electrical, civil, and environmental. This honors course offers extensive experience in Engineering & Technology Education. In addition to fulfilling all requirements of Applied Engineering Technology 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	*APPLIED ROBOTICS		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9410100 	9410110/YTQ	Foundations of Robotics	✓	RCF Pre-Engineering; RCF Robotics
	9410120/YTR	Robotic Design Essentials	✓	RCF Pre-Engineering; RCF Robotics
	9410130/YTS 9410130H/YTSH	Robotic Systems Robotic Systems HONORS	✓	RCF Pre-Engineering; RCF Robotics;
	9410140/YTT 9410140H/YTTH	Robotic Applications Capstone Robotic Applications Capstone HONORS	✓	RCF Pre-Engineering; RCF Robotics

 GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

9410110/YTQ	FOUNDATIONS OF ROBOTICS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective, Art Elective

This course provides students with a foundation in content and skills associated with robotics and automation, including; artificial intelligence, electronics, physics, and principles of engineering.

9410120/YTR	ROBOTIC DESIGN ESSENTIALS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Foundations of Robotics
	Type of Credit:	Elective, Art Elective

This course provides students with content and skills essential to the design and operation of robotics, including artificial intelligence, sensors, electronic devices, engineering technologies, motion physics, electrical motors, programming, simulation and modeling, and critical thinking skills.

9410130/YTS	ROBOTIC SYSTEMS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Robotic Design Essentials
	Type of Credit:	Elective, Art Elective

This course provides students with extended content and skills essential to the design and operation of robotic systems, including artificial intelligence, specialized sensors, electronic applications, engineering technologies, environmental physics, manufacturing, topographical considerations, programming, communications, simulation and modeling, and critical thinking skills.

9410130H/YTSH	ROBOTIC SYSTEMS HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Robotic Design Essentials/Permission of Instructor/ Contract Required
	Type of Credit:	Elective, Art Elective

This course provides students with extended content and skills essential to the design and operation of robotic systems, including artificial intelligence, specialized sensors, electronic applications, engineering technologies, environmental physics, manufacturing, topographical considerations, programming, communications, simulation and modeling, and critical thinking skills. This honors course offers extensive experience in Engineering & Technology Education. In addition to fulfilling all requirements of Robotic Systems, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

9410140/YTT	ROBOTIC APPLICATIONS CAPSTONE	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Robotic Design Essentials
Type of Credit:	Elective, Art Elective	

This course provides students with extended content and skills essential to the design and operation of autonomous robotic systems in the context of a capstone project.

9410140H/YTTH	ROBOTIC APPLICATIONS CAPSTONE HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Robotic Design Essentials/Permission of Instructor/ Contract Required
Type of Credit:	Elective, Art Elective	

This course provides students with extended content and skills essential to the design and operation of autonomous robotic systems in the context of a capstone project. This honors course offers extensive experience in Engineering & Technology Education. In addition to fulfilling all requirements of Robotic Applications Capstone, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	COMMUNICATIONS TECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8601000 ✪	8601010/XMN	Communications Technology 1	✓	ACA Photoshop
	8601020/XMO	Communications Technology 2	✓	ACA Illustrator
	8601030/XMP	Communications Technology 3	✓	ACA InDesign
	8601030H/XMPH	Communications Technology 3 HONORS	✓	

8601010/XMN	COMMUNICATIONS TECHNOLOGY 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Elective, Arts Elective	

This course provides students with an introduction to the knowledge, human relations and technical skills of communications technology.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8601020/XMO	COMMUNICATIONS TECHNOLOGY 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Communications Technology 1
Type of Credit:	Elective, Arts Elective	

This course provides students with an intermediate understanding of the knowledge, human relations, and technical skills of communications technology.

8601030/XMP	COMMUNICATIONS TECHNOLOGY 3	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Communications Technology 2
Type of Credit:	Elective, Arts Elective	

This course provides students with an advanced knowledge of the human relations and technical skills of printing, graphic, digital, and electronic communications technology.

8601030H/XMPH	COMMUNICATIONS TECHNOLOGY 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Communications Technology 2/Permission of Instructor/ Contract Required
Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in Printing and related Technology. In addition to fulfilling all requirements of Communications Technology 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

PROGRAM NUMBER	*ENGINEERING PATHWAYS		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9400300 ✿	8600550/XDF 8600550H/XDFH	Intro to Engineering Design* Intro to Engineering Design HONORS*	✓	Autodesk Inventor; Autodesk Revit
	8600520/XDC 8600520H/XDCH	Principles of Engineering* Principles of Engineering HONORS*	✓	Autodesk Inventor; Autodesk Revit
	8600530/XDD 8600530H/XDDH	Digital Electronics* Digital Electronics HONORS*	✓	Autodesk Inventor; Autodesk Revit
	8600620/XTB 8600620H/XTBH	Aerospace Engineering* Aerospace Engineering HONORS*	✓	Autodesk Inventor; Autodesk Revit
	8600590/XDJ 8600590H/XDJH	Civil Engineering and Architecture* Civil Engineering and Architecture HONORS*	✓	Autodesk Inventor; Autodesk Revit
	8600560/XDG 8600560H/XDGH	Computer Integrated Manufacturing* Computer Integrated Manufacturing HONORS*	✓	Autodesk Inventor; Autodesk Revit
	8600650/XPD 8600650H/XPDH	Engineering Design and Development* Engineering Design and Development HONORS*	✓	Autodesk Inventor; Autodesk Revit

*This is a course in the Project Lead the Way program

8600550/XDF	INTRODUCTION TO ENGINEERING DESIGN (PLTW)	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 9, 10, 11, 12 1.0 Year None Elective, Arts Elective

This course teaches problem-solving skills using a design development process. Models of product solutions are created, analyzed, and communicated using solid modeling computer design software.

✿ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8600550H/XDFH	INTRODUCTION TO ENGINEERING DESIGN (PLTW) HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Permission of Instructor/Contract Required
	Type of Credit:	Elective, Arts Elective

This honors course offers extensive experience in Engineering. In addition to fulfilling all requirements of Introduction to Engineering, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8600520/XDC	PRINCIPLES OF ENGINEERING (PLTW)	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Introduction to Engineering Design
	Type of Credit:	Elective, Arts Elective

This course helps students understand the field of engineering/engineering technology. Exploring various technology systems and manufacturing processes help students learn how engineers and technicians use math, science and technology in an engineering problem solving process to benefit people. The course also includes concerns about social and political consequences of technological change.

8600520H/XDCH	PRINCIPLES OF ENGINEERING (PLTW) HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Introduction to Engineering Design/Permission of Instructor/ Contract Required
	Type of Credit:	Elective, Arts Elective

This honors course offers extensive experience in Engineering. In addition to fulfilling all requirements of Principles of Engineering, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8600530/XDD	DIGITAL ELECTRONICS (PLTW)	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering
	Type of Credit:	Elective, Arts Elective

This is a course in applied logic that encompasses the application of electronic circuits and devices. Computer simulation software is used to design and test digital circuitry prior to the actual construction of circuits and devices.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8600530H/XDDH	DIGITAL ELECTRONICS (PLTW) HONORS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering /Permission of Instructor/ Contract Required
	Type of Credit:	Elective, Arts Elective

This honors course offers extensive experience in Engineering. In addition to fulfilling all requirements of Digital Electronics, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8600620/XTB	AEROSPACE ENGINEERING (PLTW)	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering
	Type of Credit:	Elective, Arts Elective

This course is intended to engage students in analyzing and designing solutions to engineering design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Students work in teams, exploring hands-on projects and activities to learn the characteristics of aerospace engineering and work on major problems to be exposed to the various situations that aerospace engineers face in their careers.

8600620H/XTBH	AEROSPACE ENGINEERING (PLTW) HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering
	Type of Credit:	Elective, Arts Elective

This honors course offers extensive experience in Engineering. In addition to fulfilling all requirements of Aerospace Engineering, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8600590/XDJ	CIVIL ENGINEERING AND ARCHITECTURE (PLTW)	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering
	Type of Credit:	Elective, Arts Elective

This course provides an overview of the fields of Civil Engineering and Architecture, while emphasizing the interrelationship and dependence of both fields on each other. Students use state of the art software to solve real world problems and communicate solutions to hands-on projects and activities. This course covers topics such as the Roles of Civil Engineers and Architects, Project Planning, Site Planning, Building Design, and Project Documentation and Presentation.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8600590H/XDJH	CIVIL ENGINEERING AND ARCHITECTURE (PLTW) HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering/ Permission of Instructor/ Contract Required
	Type of Credit:	Elective, Arts Elective

This honors course offers extensive experience in Engineering. In addition to fulfilling all requirements of Civil Engineering and Architecture, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8600560/XDG	COMPUTER INTEGRATED MANUFACTURING (PLTW)	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering
	Type of Credit:	Elective, Arts Elective

This course applies principles of robotics and automation. The course builds on computer solid modeling skills developed in Introduction to Engineering Design, and Design and Drawing for Production. Students use CNC equipment to produce actual models of their three-dimensional designs. Fundamental concepts of robotics used in automated manufacturing, and design analysis are included.

8600560H/XDGH	COMPUTER INTEGRATED MANUFACTURING (PLTW) HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering/ Permission of Instructor/ Contract Required
	Type of Credit:	Elective, Arts Elective

This honors course offers extensive experience in Engineering. In addition to fulfilling all requirements of Computer Integrated Manufacturing, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8600650/XPD	ENGINEERING DESIGN AND DEVELOPMENT (PLTW)	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering
	Type of Credit:	Elective, Arts Elective

This course provides students with an advanced understanding of the knowledge, human relations, and technological skills found today in technical profession.

⚙️ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8600650H/XPDH	ENGINEERING DESIGN AND DEVELOPMENT (PLTW) HONORS	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Principles of Engineering/ Permission of Instructor/ Contract Required
	Type of Credit:	Elective, Arts Elective

This honors course offers extensive experience in Engineering. In addition to fulfilling all requirements of Engineering Design and Development, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	PRODUCTION TECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8604000 ✨	8600540/XNJ	Production Technology 1	✓	
	8600640/XNK	Production Technology 2	✓	
	8601740/XNL	Production Technology 3	✓	
	8601740H/XNLH	Production Technology 3 HONORS		

8600540/XNJ	PRODUCTION TECHNOLOGY 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective, Arts Elective

This course provides students with basic knowledge, skills, and attitudes related to the technology of changing one or more industrial materials into useful products. The course content includes the use of tools and machines, characteristics of materials and their processing, safety, and the socioeconomic aspects of production.

8600640/XNK	PRODUCTION TECHNOLOGY 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Production Technology 1
	Type of Credit:	Elective, Arts Elective

This course provides students with advanced knowledge, skills, and attitudes related to selected industrial materials and processes. Performance standards from the introductory course are expanded and increased knowledge and skills are taught.

✨ **GOLD SEAL PROGRAM**

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8601740/XNL	PRODUCTION TECHNOLOGY 3	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 1.0 Year Production Technology 2 Elective, Arts Elective

Course provides students with advanced individual study related to the technology of industrial materials and processes, utilizing selected performance standards from the introductory and intermediate courses of this program. Each student must have an individual study plan cooperatively organized with the teacher, or the teacher must have a written lesson outline for this course.

8601740H/XNLH	PRODUCTION TECHNOLOGY 3 HONORS	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 1.0 Year Production Technology 2/Permission of Instructor/ Contract Required Elective, Arts Elective

This honors course offers extensive experience in Construction. In addition to fulfilling all requirements of Production Technology 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	*TECHNICAL DESIGN		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8401000 ✪	8401010/XNN	Technical Design 1	✓	Autodesk Inventor
	8401020/XNO	Technical Design 2	✓	Autodesk Inventor
	8401030/XNR	Technical Design 3	✓	Autodesk Inventor
	8401030H/XNRH	Technical Design 3 HONORS		

8401010/XNN	TECHNICAL DESIGN 1	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 9, 10, 11, 12 1.0 Year None Elective, Arts Elective

This course provides students with instruction in the characteristics and evolution of technology, underlying principles of design, and fundamental knowledge and skills in the use of illustration and drafting software. Included in the content is the use of essential application software. The ultimate output of this course is a design portfolio created by the student. Each item or product included in the portfolio should include a narrative description and an explanation of the technical approach or techniques used to create the item. Consideration should be given to having students present the portfolio using presentation software.

✪ **GOLD SEAL PROGRAM**

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8401020/XNO	TECHNICAL DESIGN 2	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Technical Design 1
	Type of Credit:	Elective

In this course, students learn more about the nature of design and drafting techniques for architectural purposes. Students are also provided with instruction in a variety of technical illustrations commonly produced to depict architectural concepts and designs. Students are expected to continue collating their portfolio using exemplars of their work. As with previous portfolio pieces; each exemplar should include a narrative description of the item with an explanation of any special techniques used to create the item.

8401030/XNR	TECHNICAL DESIGN 3	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Technical Design 2
	Type of Credit:	Elective

In addition to exploring the implications of applying technologies, this course provides students with instruction in advanced imaging techniques relative to both static and animated illustrations. In addition to learning more advanced techniques, students will have an opportunity to research a project, design an appropriate solution, and present their results. The ultimate output of this course is the student's presentation of a completed portfolio illustrating their best exemplars. The portfolio should include a narrative description of the scenario, the approach to data collection, resulting renderings, and an interpretation of each chart/graph. Research references should be cited appropriately. Given the advanced nature of this course, students should be encouraged to produce the portfolio using presentation software suitable for dissemination via the Internet.

8401030H/XNRH	TECHNICAL DESIGN 3 HONORS	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Technical Design 2/Permission of Instructor/Contract Required
	Type of Credit:	Elective

In addition to exploring the implications of applying technologies, this course provides students with instruction in advanced imaging techniques relative to both static and animated illustrations. In addition to learning more advanced techniques, students will have an opportunity to research a project, design an appropriate solution, and present their results. This honors course offers extensive experience in Technical Design. In addition to fulfilling all requirements of Technical Design 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✦ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

PROGRAM NUMBER	OTHER COURSES		HS ARTS CREDIT
	Course Number	Course Name	
8601900	8601900/XPA	Advanced Technology Applications	
	8601900H/XPAH	Advanced Technology Applications HONORS	

8601900/XPA	ADVANCED TECHNOLOGY APPLICATIONS	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 Multiple Year See Description Below Elective, Arts Elective

The purpose of this course is to provide students with the opportunity to develop a project from “vision” to “reality.” Working in teams to design, engineer, manufacture, construct, test, redesign, test again, and then produce a finished “project.” This would involve using ALL of the knowledge previously learned, not only in engineering & technology education but across the curriculum.

To enroll in Advanced Applications in Technology, a student must have:

Completed three credits of an Engineering & Technology Education program.

Received permission of the supervising Engineering & Technology Education Instructor and/or Faculty Team.

Advanced Applications in Technology may be taken by a student for one or more semesters. A student may earn multiple credits in this course.

8601900H/XPAH	ADVANCED TECHNOLOGY APPLICATIONS HONORS	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 11, 12 Multiple Year See Description Below Elective, Arts Elective

This honors course offers extensive experience in Engineering and Technology Education. In addition to fulfilling all requirements of an Engineering and Technology program, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project. The purpose of this course is to provide students with the opportunity to develop a project from “vision” to “reality.” Working in teams to design, engineer, manufacture, construct, test, redesign, test again, and then produce a finished “project.” This would involve using ALL of the knowledge previously learned, not only in engineering & technology education but across the curriculum.

To enroll in Advanced Applications in Technology, a student must have:

Completed three credits of an Engineering & Technology Education program.

Received permission of the supervising Engineering & Technology Education Instructor and/or Faculty Team.

Advanced Applications in Technology may be taken by a student for one or more semesters. A student may earn multiple credits in this course.

⚙️ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and

FINANCE CLUSTER

PROGRAM NUMBER	FINANCE		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8815100 ✪	8815150/YMN	Business Communication and Technology OR	✓	Microsoft Office Specialist (MOS)
	8207310/VQA	Digital Information Technology		
	8203310/VMB	Accounting Applications 1		
	8815110/YMJ 8815110H/YMJH	Economics and Financial Services Economics and Financial Services HONORS		
	8815130/YML 8501420/YMP	Financial Internship OR Finance Cooperative OJT		
	8815120/YMK 8815120H/YMKH	Personal Finance Personal Finance HONORS		

8815150/YMN	BUSINESS COMMUNICATION AND TECHNOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is designed to provide an overview of current business, finance and information systems and trends and to introduce students to the foundations required for today's business environments. Emphasis is placed on developing proficiency with computer applications, so that they may be used as communication tools for enhancing personal and work place proficiency in an information-based society. This also includes proficiency with computers using databases, spreadsheets, presentation applications, financial and tax software applications and the integration of these programs using software that meets industry standards.

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8203310/VMB	ACCOUNTING APPLICATIONS 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Financial & Business Technology	
	Type of Credit:	Elective	

This course emphasizes double-entry accounting; methods and principles of recording business transactions; the preparation of various documents used in recording income, expenses, acquisition of assets, incurrence of liabilities, and changes in equity; and the preparation of financial statements. The use of computers is required.

8815110/YMJ	ECONOMICS AND FINANCIAL		SERVICES Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course presents basic topics in economics, including the principles and practices of banking, credit, and consumer lending in the United States. Additional emphasis is placed on money, credit and banking, economic growth and stability, characteristics of different economic systems and institutions. Students become familiar with the major functions of banks and other financial intermediaries, central banking by the Federal Reserve System, and modern trends in the finance industry. The students are also introduced to credit functions, principles of credit risk evaluation, loan creation, debt collection, and stocks and bonds.

8815110H/YMJH	ECONOMICS AND FINANCIAL SERVICES HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Permission of Instructor/Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Finance. In addition to fulfilling all requirements of Financial Operations, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8815130/YML	FINANCIAL INTERNSHIP		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Financial Operations	
	Type of Credit:	Elective	

This course provides students with authentic learning experiences in which they demonstrate human relations, technical, communication, and career development skills through entry level employment in the financial services industry. Through hands-on project management, major tasks outlined in a training plan, mentors supervise student learning in specific skill attainment and professional development. Students earn high school credit and financial compensation

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8501420/YMP	FINANCE COOPERATIVE OJT		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Enrollment in a Finance Career Prep Program	
	Type of Credit:	Elective	

The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student must be compensated for work performed.

8815120/YMK	PERSONAL		FINANCECar
	eer Prep		
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Financial Operations	
	Type of Credit:	Elective	

This course is designed to develop an awareness of the need for care and organization in planning for the wise use of economic resources and financial products available through a study of savings, credit, insurance, banking, and financial goals. Students are provided with the concepts necessary to understand international trade as well as career opportunities offered by lending institutions.

8815120H/YMKH	FINANCIAL PLANNING		HONORSCare
	er Prep		
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Financial Operations/Permission of Instructor/Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Finance. In addition to fulfilling all requirements of Financial Planning, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

PROGRAM NUMBER	PRACTICAL ARTS COURSES	
	Course Number	Course Name
8500120	8500120/YSG	Personal & Family Finance
8500120/YSG	PERSONAL AND FAMILY FINANCE	
	Offered:	Grade 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Practical Arts

The purpose of this course is to give students an overview of personal and family finance concepts including the American economic system, personal and family management of resources including income, money management, saving and investing, spending and credit, the role of financial institutions and the consumer, consumer information and taxation and financial planning.

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8501420	8501420/YMP	Finance Cooperative <i>OJT</i>
8501000	8501000/YMO	Finance <i>Directed Study</i>
8501420/YMP	FINANCE COOPERATIVE <i>OJT</i>	
		Career Prep
	Offered:	Grade 10, 11, 12
	Credit:	Multiple
	Length:	Year
	Prerequisite:	Enrollment in a Finance Career Prep Program
	Type of Credit:	Elective

The purpose of this course is to provide the on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

8501000/YMO	FINANCE DIRECTED STUDY	
		Career Prep
	Offered:	Grade 11, 12
	Credit:	Multiple
	Length:	Year
	Prerequisite:	Completion of a Finance Career Prep Program
	Type of Credit:	Elective

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the *Finance* cluster that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed a specific *Finance* career preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

✿ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and*

HEALTH SCIENCE CLUSTER

PROGRAM NUMBER	ALLIED HEALTH ASSISTING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8417130 ✪	8417100/WNA	*Health Science Anatomy & Physiology		
	8417110/WNB 8417110H/WNBH	**Health Science Foundations Health Science Foundations HONORS		Certified Medical Admin. Assistant
	8417131/WNF	Allied Health Assisting 3		Patient Care Technician; EKG Operator; Certified Nursing Assistant

*The course Anatomy and Physiology (2000350) may be substituted for the course Health Science 1.

**When Health Science Anatomy and Physiology and Health Science Foundations are completed they may be substituted for one science credit in Anatomy and Physiology (2000350).

8417100/WNA	HEALTH SCIENCE ANATOMY & PHYSIOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course.

8417110/WNB	HEALTH SCIENCE		FOUNDATIO
	NSCareer Prep		
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Health Science Anatomy & Physiology	
	Type of Credit:	Elective, Substitution for Anatomy & Physiology (2000350)	

This course is part of the Secondary Health Core designed to provide the student with an in-depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem-solving skills. Students may shadow professionals throughout the course.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8417110H/WNBH	HEALTH SCIENCE FOUNDATIONS		HONORSCar
	eer Prep		
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Health Science Anatomy & Physiology/Permission of Instructor/Contract Required		
Type of Credit:	Elective, Substitution for Anatomy & Physiology (2000350)		

This honors course offers extensive experience in Health Occupations. In addition to fulfilling all requirements of Health Science Foundations, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8417131/WNF	ALLIED HEALTH ASSISTING 3		Career Prep
	eer Prep		
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Health Science Foundations		
Type of Credit:	Elective		

In this course students will perform skills representative of one to three areas of allied health care in the laboratory and clinical settings. Major areas of allied health are defined as physical therapy, emergency, radiation, laboratory and respiratory medicine, and occupational therapy. Other areas of health, medicine, dentistry, or veterinary may be included with instructor provided competencies.

PROGRAM NUMBER	BIOMEDICAL SCIENCES		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8708100 ✨	8708110/WOA	Principles of the Biomedical Sciences		
	8708120/WOB	Human Body Systems		
	8708130/WOC	Medical Interventions		
	8708140/WOD	Biomedical Innovation		Biotechnician Assistant

8708110/WOA	PRINCIPLES OF THE BIOMEDICAL SCIENCES		Career Prep
	eer Prep		
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective		

Students investigate the human body systems and various health conditions. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses. Students are introduced to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated.

✨ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8708120/WOB	HUMAN BODY SYSTEMS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Principles of Biomedical Sciences	
	Type of Credit:	Elective	

Students examine the interactions of body systems as they explore identity, communication, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real-world cases and often play the role of biomedical professionals to solve medical mysteries.

8708130/WOC	MEDICAL INTERVENTIONS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Human Body Systems	
	Type of Credit:	Elective	

Students investigate the variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the lives of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body as students explore: how to prevent and fight infection; how to screen and evaluate the code in human DNA; how to prevent, diagnose and treat cancer; and how to prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to the wide range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.

8708140/WOD	BIOMEDICAL INNOVATION		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Medical Interventions	
	Type of Credit:	Elective	

In this capstone course, students apply their knowledge and skills to answer questions or solve problems related to the biomedical sciences. Students design innovative solutions for the health challenges of the 21st century as they work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

PROGRAM NUMBER	HEALTH & WELLNESS		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8417000 ✪	8417100/WNA	*Health Science Anatomy & Physiology		
	8417110/WNB 8417110H/WNBH	**Health Science Foundations Health Science Foundations HONORS		Certified Medical Admin. Assistant
	8417120/WND	Health & Wellness 3		

*The course Anatomy and Physiology (2000350) may be substituted for the course Health Science 1.

**When Health Science 1 and Health Science 2 are completed they may be substituted for one science credit in Anatomy and Physiology (2000350).

8417100/WNA	HEALTH SCIENCE ANATOMY & PHYSIOLOGY		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective		

This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course.

8417110/WNB	HEALTH SCIENCE		FOUNDATIO
	NSCareer Prep		
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Health Science Anatomy & Physiology		
Type of Credit:	Elective, Substitution for Anatomy & Physiology (2000350)		

This course is part of the Secondary Health Core designed to provide the student with an in-depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem-solving skills. Students may shadow professionals throughout the course.

8417110H/WNBH	HEALTH SCIENCE FOUNDATIONS		HONORSCar
	eer Prep		
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Health Science Anatomy & Physiology/Permission of Instructor/Contract Required		
Type of Credit:	Elective, Substitution for Anatomy & Physiology (2000350)		

This honors course offers extensive experience in Health Science. In addition to fulfilling all requirements of Health Science Foundations, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8417120/WND	HEALTH & WELLNESS 3		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course prepares students to be employed as Personal Trainers. Content includes, but not limited to, identifying and practicing within the appropriate scope of practice for a personal trainer, develop and implement exercise programs for apparently healthy individuals or those who have medical clearance to exercise, proficiency in the appropriate fitness equipment used, as well as a foundation in the musculo-skeletal system of the body.

PROGRAM NUMBER	EMERGENCY MEDICAL RESPONDER		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8417170 ✳	8417100/WNA	*Health Science Anatomy and Physiology		
	8417110/WNB 8417110H/WNBH	**Health Science Foundations Health Science Foundations HONORS		Certified Medical Admin. Assistant
	8417171/WNM 8417171H/WNMH	Emergency Medical Responder 3 Emergency Medical Responder 3 HONORS		Emergency Medical Responder

*The course *Anatomy and Physiology (2000350)* may be substituted for the course *Health Science Anatomy and Physiology*.

**When *Health Science Anatomy and Physiology* and *Health Science Foundations* are completed they may be substituted for one science credit in *Anatomy and Physiology (2000350)*.

8417100/WNA	HEALTH SCIENCE ANATOMY AND PHYSIOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is part of the secondary Health Core consisting of an overview of the human body, both structurally and functionally with emphasis on the pathophysiology and transmission of disease. Medical terminology is an integral part of the course.

✳ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8417110/WNB	HEALTH SCIENCE		FOUNDATIO
	NSCareer Prep		
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Health Science Anatomy & Physiology		
Type of Credit:	Elective, Substitution for Anatomy & Physiology (2000350)		

This course is part of the Secondary Health Core designed to provide the student with an in-depth knowledge of the health care system and associated occupations. Emphasis is placed on communication and interpersonal skills, use of technology, ethics and the development of critical thinking and problem-solving skills. Students may shadow professionals throughout the course.

8417171/WNM	EMERGENCY MEDICAL RESPONDER 3		Career Prep
	Offered:	Grade 10, 11, 12	
Credit:	1.0		
Length:	Year		
Prerequisite:	Health Science Foundation		
Type of Credit:	Elective		

This course prepares students to be employed as Emergency Medical Responders. Content includes, but not limited to, identifying and practicing within the appropriate scope of practice for an Emergency Medical Responder, demonstrating correct medical procedures for various emergency situations, proficiency in the appropriate instruments used, as well as a foundation in the musculo-skeletal system of the body.

8417171H/WNMH	EMERGENCY MEDICAL RESPONDER 3 HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
Credit:	1.0		
Length:	Year		
Prerequisite:	Health Science Foundations/Permission of Instructor/Contract Required		
Type of Credit:	Elective, Substitution for Anatomy & Physiology (2000350)		

This honors course offers extensive experience in Health Science. In addition to fulfilling all requirements of Emergency Medical Responder 3, students will participate in a Career and Technical Education Leadership- project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	PRACTICAL ARTS COURSES	
	Course Number	Course Name
8400320	8400320/WOT	Medical Skills & Services
8400320/WOT	MEDICAL SKILLS & SERVICES	
	Offered:	Grade 9, 10, 11, 12
Credit:	1.0	
Length:	Year	
Prerequisite:	None	
Type of Credit:	Practical Arts	

The purpose of this course is to provide students with practical generic skills in health science education. The student will be able to describe services by provided by health occupations career clusters. Demonstrate basic health skills,

including first aid and CPR. Understand responsible consumer decision making regarding health screening and health care management. Be able to discuss legal aspects for the health consumer. The student will understand the use of computers and technology in the health care field.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8400410	8400410/WOV	Health Science Education Cooperative OJT
8400100	8400100/YSX	Health Science Education Directed Study

8400410/WOV	HEALTH SCIENCE EDUCATION COOPERATIVE OJT	Career Prep
	Offered:	Grade 10, 11, 12
	Credit:	Multiple
	Length:	Year
	Prerequisite:	Enrollment in a Health Education Career Prep Program
	Type of Credit:	Elective

The purpose of this course is to provide a *Health Science* on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

8400100/YSX	HEALTH SCIENCE EDUCATION DIRECTED STUDY	Career Prep
	Offered:	Grade 10, 11, 12
	Credit:	Multiple
	Length:	Year
	Prerequisite:	Completed Career Prep Program
	Type of Credit:	Elective

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the *Health Science* cluster that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed a specific *Health Science* career preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

HOSPITALITY AND TOURISM CLUSTER

PROGRAM NUMBER	CULINARY ARTS		HS ARTS CREDIT	INDUSTRY CREDENTIAL
	Course Number	Course Name		
8800500 ✪	8800510/WSA	Culinary Arts 1		
	8800520/WSB	Culinary Arts 2	✓	
	8800530/WSC 8800530H/WSCH	Culinary Arts 3 Culinary Arts 3 HONORS	✓	FRA/ServSafe; ProStart; Food Safety Manager
	8800540/WSD 8800540H/WSDH	*TRACK 1: Culinary Arts 4 - <i>Culinary and Hospitality Management</i> Culinary Arts 4 – <i>Culinary and Hospitality Management</i> HONORS		FRA/ServSafe; ProStart; Food Safety Manager
	8800550/WSG 8800550H/WSGH	*TRACK 2: Culinary Arts 4 - <i>Advanced Baking Techniques</i> Culinary Arts 4 - <i>Advanced Baking Techniques</i> HONORS		
	8800560/WSH 8800560H/WSHH	*TRACK 3: Culinary Arts 4 - <i>Gastronomy and Garde Manger</i> Culinary Arts 4 - <i>Gastronomy and Garde Manger</i> HONORS		

**There are multiple tracks in Culinary 4. Please select one area of concentration.*

8800510/WSA	CULINARY ARTS 1	Career Prep
Offered:	Grade 9, 10, 11, 12	
Credit:	1.0	
Length:	Year	
Prerequisite:	None	
Type of Credit:	Elective	

The purpose of this course is to provide students with competencies basic to a cluster of occupations in the food service industry and to develop skills, knowledge, and attitude for success and advancement in a specialized occupational proficiency program. Course content includes employability skills, qualifications and career opportunities; introduction to operational procedures; basics of nutrition; characteristics and functions of types of food service establishments; safety, sanitation, security, and storage procedures; identifications, use, care and storage of commercial tools and equipment; cooking terms and vocabulary; standard and metric measurements; food preparation; and rules and regulations governing the food industry.

✪ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

8800520/WSB	CULINARY ARTS 2		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary Arts 1	
	Type of Credit:	Elective	

This course has increased laboratory instruction and activities, so students may develop their skills in using commercial equipment and tools safely and quickly in the preparation of food. Instructional units include planning, scheduling, and simplifying work patterns; cost and portion control; customer relations; management of time, energy, space; and using standard recipes.

8800530/WSC	CULINARY ARTS 3		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary Arts 2	
	Type of Credit:	Elective, Arts Elective	

This course includes content in the preparation and presentation of the food that has been prepared; preserving the nutritive values of food; following standard recipes for quality control; serving quantity foods; receiving, storing, and issuing foods and supplies; taking inventories, and keeping records; and maintaining clean food preparation and service areas.

8800530H/WSCH	CULINARY ARTS 3 HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary Arts 2/Permission of Instructor/Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in culinary arts. In addition to fulfilling all requirements of Culinary Arts 3, students participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8800540/WSD	CULINARY ARTS 4/TRACK 1		MANAGEMENT
	CULINARY AND HOSPITALITY		
	NTCareer Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary Arts 3	
	Type of Credit:	Elective	

This course provides opportunities for students to apply their acquired knowledge and skills in culinary related scenarios. Track 1 focuses on Culinary and Hospitality Management. This is a culminating course to develop advanced culinary techniques and skills. Students learn using modern technology and culinary trends. **To complete the program, students must complete either Track 1 or Track 2 or Track 3. Students may complete more than one track.**

✿ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8800540H/WSDH	CULINARY ARTS 4 HONORS/TRACK 1 CULINARY AND HOSPITALITY		MANAGEMENT
	NT Career Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary Arts 3/Permission of Instructor/Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in culinary arts. In addition to fulfilling all requirements of Culinary Arts 4/Track 1, students participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8800550/WSG	CULINARY ARTS 4/TRACK 2 ADVANCED BAKING		TECHNIQUES
	Career Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary Arts 3	
	Type of Credit:	Elective	

This course provides opportunities for students to apply their acquired knowledge and skills in culinary related scenarios. This feature enables instruction in three key culinary disciplines. Track 2 focuses on Advanced Baking Techniques. This is a culminating course to develop advanced culinary techniques and skills. Students learn using modern technology and culinary trends. **To complete the program, students must complete either Track 1 or Track 2 or Track 3. Students may complete more than one track.**

8800550H/WSGH	CULINARY ARTS 4 HONORS/TRACK 2 ADVANCED BAKING		TECHNIQUES
	Career Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary Arts 3/Permission of Instructor/Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in culinary arts. In addition to fulfilling all requirements of Culinary Arts 4/Track 2, students participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8800560/WSH	CULINARY ARTS 4/TRACK 3 GASTRONOMY AND GARDE		MANGERCareer
	Career Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary Arts 3	
	Type of Credit:	Elective	

This course provides opportunities for students to apply their acquired knowledge and skills in culinary related scenarios. This feature enables instruction in three key culinary disciplines. Track 3 focuses on Gastronomy and Garde Manger Skills. This is a culminating course to develop advanced culinary techniques and skills. Students learn using modern technology and culinary trends. **To complete the program, students must complete either Track 1 or Track 2 or Track 3. Students may complete more than one track.**

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8800560H/WSHH	CULINARY ARTS 4 HONORS/TRACK 3 GASTRONOMY AND GARDE		MANGERCAR
	Career Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary Arts 3/Permission of Instructor/Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in culinary arts. In addition to fulfilling all requirements of Culinary Arts 4/Track 3, students participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	CULINARY AND HOSPITALITY SPECIALTIES		HS ARTS CREDIT	INDUSTRY CREDENTIAL
	Course Number	Course Name		
8800600	8800620/WSF	Culinary & Hospitality Specialties 2		

****THE CULINARY AND HOSPITALITY SPECIALTIES PROGRAM (8800600) IS DAGGERED FOR DELETION. There are NO new enrollments in this program. Only enroll current Culinary and Hospitality Specialties program students into the Culinary and Hospitality Specialties 2 course. Culinary and Hospitality Specialties (8800600) program competencies have been incorporated into the multiple tracks within the CULINARY ARTS (8800500) PROGRAM.**

8800620/WSF	CULINARY & HOSPITALITY SPECIALTIES 2		Career Prep
	Career Prep		
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Culinary & Hospitality Specialties 1	
	Type of Credit:	Elective	

This course is designed for students to gain advanced preparation and entrepreneurial skills for small business ownership and/or event catering. The course content includes using technology, such as point-of-sale software, internet marketing, and social networking to enhance food service business efficiency and development; acquiring advanced skills in geriatric and athletic nutrition; and understanding the interconnections and interdependency of ecological, social, and economic systems as well as that of food and science. The program culminates in a capstone project with acquired knowledge and skills utilized to obtain the Florida *Employee Food Handler Training Certification*.

PROGRAM NUMBER	PRACTICAL ARTS COURSES	
	Course Number	Course Name
8500355	8500355/WPJ	Nutrition & Wellness
8500390	8500390/WPK	Principles of Food Preparation

8500355/WPJ	NUTRITION AND WELLNESS
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Offered:	Grade 9, 10, 11, 12
Credit:	.50
Length:	Semester
Prerequisite:	None
Type of Credit:	Practical Arts

The purpose of this course is to prepare students to understand the relationship between nutrition and wellness. The program also provides for selection, preparation, service, and storage of foods. It allows students to use technology to practice meal management techniques directed toward nutritional food choices based on the life cycle. This course will provide an awareness of consumer issues relating to health and wellness.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

8500390/WPK	PRINCIPLES OF FOOD PREPARATION	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
Type of Credit:	Practical Arts	

The purpose of this course is to prepare students to understand the principles of food preparation, selection and storage, basic food preparation and selection of food services.

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8800420	8800420/WPQ	Hospitality & Tourism Cooperative <i>OJT</i>
8801000	8801000/WPR	Hospitality & Tourism <i>Directed Study</i>

8800420/WPQ	HOSPITALITY & TOURISM COOPERATIVE <i>OJT</i>		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Enrolled in Hospitality & Training Program	
Type of Credit:	Elective		

The purpose of this course is to provide a *Hospitality and Tourism* on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

8801000/WPR	HOSPITALITY & TOURISM <i>DIRECTED STUDY</i>		Career Prep
	Offered:	Grade 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Completed Career Prep Program	
Type of Credit:	Elective		

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the *Hospitality and Tourism* cluster that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed a specific *Hospitality and Tourism* career

preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

HUMAN SERVICES CLUSTER

PROGRAM NUMBER	PRACTICAL ARTS COURSES	
	Course Number	Course Name
8500345	8500345/WPM	Family Dynamics
8500300	8500300/WOZ	Parenting Skills

8500345/WPM	FAMILY DYNAMICS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Practical Arts

The purpose of this course is to give students an opportunity to apply knowledge and skills related to the area of Family Dynamics. The content includes but is not limited to: recognizing the role and importance of the family; formulating skills in preparation for successful adult and family life; studying the family life cycle; developing skills to build and maintain healthy family relationships; addressing current issues that create stress and conflict within the family unit; recognizing the importance of balancing work and family; and evaluating the impact of technological and social forces on the family - past, present and future.

8500300/WOZ	PARENTING SKILLS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Practical Arts

The purpose of this course is to give students an opportunity to apply knowledge and skills related to the area of Human Services. The content includes but is not limited to parenting roles and responsibilities; nurturing and protective environments for children; positive parenting strategies; effective communication in parent/child relationships; multicultural diversity and trends in technology.

✿ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

INFORMATION TECHNOLOGY CLUSTER

PROGRAM NUMBER	APPLIED CYBER-SECURITY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9001300 ✪	9001310/YTM	IT Fundamentals OR		Microsoft Office Specialist (MOS)
	8207310/VQA	Digital Information Technology		
	9001320/YTN	Computer and Network Security Fundamentals		
	9001330/YTO	Cybersecurity Essentials		
	9001340/YTP	Operational Cybersecurity		
	9001350/YTU	Cybersecurity Planning and Analysis OR		MTA Security Fundamentals
	9001360/YTV	Database Security OR		
	9001370/YTW	Software and Application Security OR		
	9001380/YTX	Web Security OR		
9001390/YTY	Applied Cybersecurity Applications			

9001310/YTM	IT		FUNDAMENT
	ALSCareer Prep		
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course introduces students to the essential concepts, components, terminology, and knowledge about computers, computer systems, peripherals, and networks.

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	ALSCareer Prep		
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Practical Arts Elective	

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards. After successful completion of this core course, students will have met Occupational Completion Point A, Information Technology Assistant – SOC Code 15/1151.

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

9001320/YTN	COMPUTER AND NETWORK SECURITY FUNDAMENTALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Take with Introduction to Information Technology	
	Type of Credit:	Elective	

This course introduces students to Cybersecurity and provides them with essential computer and networking knowledge and skills, particularly those related to Cybersecurity.

9001330/YTO	CYBERSECURITY ESSENTIALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Computer & Network Security Fundamentals	
	Type of Credit:	Elective	

This course provides students with insight into the many variations of vulnerabilities, attack mechanisms, intrusion detection systems, and some methods to mitigate Cybersecurity risks, including certificate services and cryptographic systems.

9001340/YTP	OPERATIONAL CYBERSECURITY		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Cybersecurity Essentials	
	Type of Credit:	Elective	

This course provides students with insight into the many ways in which computer systems can be secured, countermeasures implemented, and risk assessment performed.

9001350/YTU	CYBERSECURITY PLANNING AND ANALYSIS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Operational Cybersecurity	
	Type of Credit:	Elective	

This course focuses on the mitigation planning, disaster recovery, business continuity planning, and forensic analysis associated with securing computer environments. Many of the standards covered in this framework are based on or aligned with guidelines published by the Computer Security Division of the National Institute of Standards and Technology (NIST).

✿ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

9001360/YTV	DATABASE SECURITY		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Cybersecurity Planning & Analysis	
	Type of Credit:	Elective	

This course focuses on strategies employed to mitigate data compromise, including design, access, and deployment of databases.

9001370/YTW	SOFTWARE & APPLICATION SECURITY		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Database Security	
	Type of Credit:	Elective	

This course addresses the creation of secure software applications, including identifying the vulnerabilities and mitigation strategies.

9001380/YTX	WEB		SECURITYCar
	eer Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Software & Application Security	
	Type of Credit:	Elective	

This course addresses the creation of secure websites and authentication applications, including identifying the vulnerabilities and mitigation strategies.

9001390/YTY	APPLIED CYBERSECURITY APPLICATIONS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Web Security	
	Type of Credit:	Elective	

This is a project-based capstone course to provide Applied Cybersecurity students with the opportunity to apply their skills from both offensive and defensive perspectives. Students work in teams to research, plan, and design, create, and configure a virtual network to prevent intrusion. Students will be expected to plan, document, perform, and report on penetration testing of a mock virtual network. This activity may take the form of a Capture the Flag (CTF) event.

🌀 GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

PROGRAM NUMBER	APPLIED INFORMATION TECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9003400 ✪	9003410/YUA	Computer Fundamentals OR	✓	Microsoft Office Specialist (MOS)
	8207310/VQA	Digital Information Technology		
	9003420/YUB	Web Technologies	✓	
	9003430/YUC	IT Systems and Applications		
	9003440/YUD	Database Essentials		
	9003450/YUE	Programming Essentials		
	9003460/YUF	Web Development Technologies	✓	
	9003470/YUG	Multimedia Technologies	✓	
	9003480/YUH	Computer Networking Fundamentals		
9003490*/YUI	Cybersecurity Fundamentals			

9003410/YUA	COMPUTER FUNDAMENTALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course introduces students to the essential concepts, components, terminology, and knowledge about computers, computer systems, peripherals, and networks.

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

✪ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

9003420/YUB	WEB TECHNOLOGIES		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Information Technology	
	Type of Credit:	Elective	

In this course students will learn fundamental principles of web page design, planning and formulating an effective web site, use web development tools and techniques, learn specialized web design software, prepare and launch web content and sites.

9003430/YUC	IT SYSTEMS & APPLICATIONS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Web Technologies	
	Type of Credit:	Elective	

This course introduces students to the essential concepts and components of motherboards and CPU's, perform installation and configuration activities, use problem diagnostics protocols and problem resolution through wireless, infrared, telephone, e-mail, remote access, or direct contact, learn presentation production issues, learn essentials of troubleshooting, repair and maintenance of computers, and basic principles of security concepts and technologies and other concepts.

9003440/YUD	DATABASE ESSENTIALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	IT Systems & Applications	
	Type of Credit:	Elective	

This course will teach an awareness of the changes taking place in the information age and how they fit into an evolving society, gain an understanding of the "big picture" of database design and how to best organize data according to business rules and/or client needs, learn the process of creating an entity by identifying relationships, formulate and assemble initial entity relationship by expanding on modeling concepts, learn advanced data constructs by analyzing business requirements and diagramming entities and relationships and other fundamental concepts and practices of database development/management.

9003450/YUE	PROGRAMMING ESSENTIALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Database Essentials	
	Type of Credit:	Elective	

This course is designed to teach students how to plan program design, code and test programs. Students will learn how to perform program maintenance, develop an understanding and awareness of software quality assurance, programming techniques and concepts and design structured programs.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

9003460/YUF	WEB DEVELOPMENT TECHNOLOGIES		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Programming Essentials	
	Type of Credit:	Elective	

Students will learn essential concepts in page design applicable to the WWW learn to use a WYSIWG editor, web design, or web animation software for web page design, digital photography and digital imaging, understand how website performance is monitored and analyzed, be able to host a website.

9003470/YUG	MULTIMEDIA TECHNOLOGIES		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Web Development Technologies	
	Type of Credit:	Elective	

In this course, students will learn presentation production issues, be able to use digital photography and digital imaging, and basic video production. Students will also learn to set-up and configure a computer for video applications, perform basic operations of a video workstation and audio production and applications.

9003480/YUH	COMPUTER NETWORKING FUNDAMENTALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Multimedia Technologies	
	Type of Credit:	Elective	

This course is designed to teach students an understanding of network technologies. Students will also understand, install, and configure network hardware, networking devices, network management software, networking tools, and network security hardware and software devices.

9003490*/YUI	CYBERSECURITY FUNDAMENTALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Computer Networking Fundamentals	
	Type of Credit:	Elective	

This course is designed to teach students to develop an understanding of cybersecurity, the terminology used, its history and culture, and trends. Students will also recognize the following types of malicious code and specify the appropriate actions to take to mitigate vulnerability and risk, be able to differentiate and explain common control models, methods of authentication, and following attacks and specify the appropriate actions to take to mitigate vulnerability and risk.

🌟 GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

PROGRAM NUMBER	BUSINESS COMPUTER PROGRAMMING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8206500 ✪	8207310/VQA	Digital Information Technology	✓	Microsoft Office Specialist (MOS)
	8206010/VOF 8206010H/	Bus Computer Programming 1 Bus Computer Programming 1 HONORS		
	8206020/VOQ 8206020H/VOQH	Bus Computer Programming 2 Bus Computer Programming 2 HONORS		
	8206030/VOH 8206030H/VOHH	Bus Computer Programming 3 Bus Computer Programming 3 HONORS		
	8206040/VOI 8206040H/VOIH	Bus Computer Programming 4 Bus Computer Programming 4 HONORS		
	8206050/VOJ 8206050H/VOJH	Bus Computer Programming 5 Bus Computer Programming 5 HONORS		
	8206060/VOK 8206060H/VOKH	Bus Computer Programming 6 Bus Computer Programming 6 HONORS		
	8206070/VOL 8206070H/VOLH	Bus Computer Programming 7 Bus Computer Programming 7 HONORS		

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Practical Arts Elective	

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheet, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

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8206010/VOF	BUSINESS COMPUTER PROGRAMMING 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Information Technology	
	Type of Credit:	Elective	

This course introduces computer programming concepts for business applications. The content includes basic information processing and computer functions; operating systems, environments, and hardware platform; programming techniques and concepts; and basic financial business concepts. After successful completion of Business Computer Programming 1 and 2, students will have met Occupational Completion Point B, Computer Programmer Assistant, SOC Code 15-1131.

8206010H/VOFH	BUSINESS COMPUTER PROGRAMMING 1 HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Information Technology	
	Type of Credit:	Elective	

This honors course offers extensive experience in Programming. In addition to fulfilling all requirements of Business Computer Programming 1, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8206020/VOQ	BUSINESS COMPUTER PROGRAMMING 2		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 1	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts for business applications. The content includes information processing and computer functions; operating systems; programming techniques and concepts for sequential, indexed sequential, random, and direct files; and the integrated nature of corporate systems. After successful completion of business Computer Programming 1 and 2, students will have met Occupational Completion Point B, Computer Programmer Assistant, SOC Code 15-1131.

8206020H/VOGH	BUSINESS COMPUTER PROGRAMMING 2 HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Digital Information Technology	
	Type of Credit:	Elective	

This honors course offers extensive experience in Programming. In addition to fulfilling all requirements of Business Computer Programming 2, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

8206030/VOH	BUSINESS COMPUTER PROGRAMMING 3		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 2	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts for business applications. The content includes interfaces for systems integration, software quality assurance, and advanced programming techniques and concepts.

8206030H/VOHH	BUSINESS COMPUTER PROGRAMMING 3 HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 2/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Programming. In addition to fulfilling all requirements of Business Computer Programming 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8206040/VOI	BUSINESS COMPUTER PROGRAMMING 4		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 3	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts for business applications. The content includes client/server environments, interactive programming, and vendor application programming.

8206040H/VOIH	BUSINESS COMPUTER PROGRAMMING 4 HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 3/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Programming. In addition to fulfilling all requirements of Business Computer Programming 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✦ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8206050/VOJ	BUSINESS COMPUTER PROGRAMMING 5		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 4	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts for business applications. The content includes client/server environments, interactive programming, and vendor application programming. The competencies included in Business Programming 5 and 6 are designed to allow students to learn a second language. They build on the same tools as mastered in a previous language with increasing refinement of skill. Activities utilized must reflect increasingly greater complexity.

8206050H/VOJH	BUSINESS COMPUTER PROGRAMMING 5 HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 4/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Programming. In addition to fulfilling all requirements of Business Computer Programming 5, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8206060/VOK	BUSINESS COMPUTER PROGRAMMING 6		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 5	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts for business applications. The content includes client/server environments, interactive programming, and vendor application programming. The competencies included in Business Programming 6 are designed to allow students to learn a second language. They build on the same tools as mastered in a previous language with increasing refinement of skill. Activities utilized must reflect increasingly greater complexity.

8206060H/VOKH	BUSINESS COMPUTER PROGRAMMING 6 HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 5/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Programming. In addition to fulfilling all requirements of Business Computer Programming 6, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8206070/VOL	BUSINESS COMPUTER PROGRAMMING 7		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 6	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts for business applications. The content includes client/server environments, interactive programming, and vendor application programming. The competencies included in Business Programming 7 are designed to allow students to learn a second language. They build on the same tools as mastered in a previous language with increasing refinement of skill. Activities utilized must reflect increasingly greater complexity.

8206070H/VOLH	BUSINESS COMPUTER PROGRAMMING 7 HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Computer Programming 6/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Programming. In addition to fulfilling all requirements of Business Computer Programming 7, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	COMPUTER SYSTEMS AND INFORMATION TECHNOLOGY (CSIT)		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9001200 ✪	9001210/VPO	CSIT Foundations		MTA Windows OS Fundamentals
	9001220/VPP	CSIT System Essentials		
	9001230/VPQ	CSIT Network Systems Configuration		CompTIA A+
	9001230H/VPQH	CSIT Network Systems Configuration HONORS		
	9001240/VPY	CSIT Network Systems Design and Administration		CompTIA A+

9001210/VPO	CSIT FOUNDATIONS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the information technology industry; technical and product skills, underlying principles of technology, planning, management, finance, labor issues, community issues and health, safety, and environmental issues. The course content includes, but is not limited to, communication, leadership skills, human relations and employability skills; and safe, efficient work practices.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and

9001220/VPP	CSIT SYSTEM ESSENTIALS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	CSIT Foundations	
	Type of Credit:	Elective	

This is a continuation of the first course under Computer Systems and Information Technology. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the information technology industry; technical and product skills, underlying principles of technology, planning, management, finance, labor issues, community issues and health, safety, and environmental issues. The course content includes, but is not limited to, communication, leadership skills, human relations and employability skills; and safe, efficient work practices.

9001230/VPQ	CSIT NETWORK SYSTEMS CONFIGURATION		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	CSIT System Essentials	
	Type of Credit:	Elective	

This is a continuation of the second course under Computer Systems and Information Technology. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the information technology industry; technical and product skills, underlying principles of technology, planning, management, finance, labor issues, community issues and health, safety, and environmental issues. The course content includes, but is not limited to, communication, leadership skills, human-relations and employability skills; and safe, efficient work practices.

9001230H/VPQH	CSIT NETWORK SYSTEMS CONFIGURATION HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	CSIT System Essentials	
	Type of Credit:	Elective	

This honors course offers extensive experience in Computer Systems and Information Technology. In addition to fulfilling all requirements of Computer Systems and Information Technology Network Systems Configuration (CSIT Network Systems Configuration), students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

9001240/VPY	CSIT NETWORK SYSTEMS DESIGN & ADMINISTRATION		Career Prep
	Offered:	Grade 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	CSIT System Configuration	
	Type of Credit:	Elective	

This course prepares students for employment or advanced training in a variety of occupations in the information technology industry. Focus is on the skills and knowledge necessary to begin work in a technology support services center. Skills such as network design and infrastructure, network security, network troubleshooting and maintenance, and system design are taught. At the conclusion of this course, students could be eligible to take the Comp TIA A Network & Certification Exam.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

PROGRAM NUMBER	GAME/SIMULATION/ANIMATION PROGRAMMING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8208300 ✿	8207310/VQA	Digital Information Technology	✓	Microsoft Office Specialist (MOS)
	8208110/VPE	Game and Simulation Foundations	✓	Adobe Certifications; Toon Boom
	8208120/VPF	Game and Simulation Design	✓	Adobe Certifications; Toon Boom
	8208330/VPI 8208330H/VPIH	Game and Simulation Programming Game and Simulation Programming HONORS		Adobe Certifications; Toon Boom
	8208340/VPJ 8208340H/VPJH	Multi-User Game and Simulation Programming Multi-User Game and Simulation Programming HONORS		Adobe Certifications; Toon Boom

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective, Practical Arts Elective		

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheet, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

8208110/VPE	GAME AND SIMULATION FOUNDATIONS		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective, Arts Elective		

This course is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application, storyboarding techniques, and development tools. Hands-on activities using an entry-level game development tool will result in the creation of a playable game.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8208120/VPF	GAME AND SIMULATION DESIGN		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Game and Simulation Foundations	
	Type of Credit:	Elective, Arts Elective	

This course covers fundamental principles of designing a game or a simulation application, in particular Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools, and implementation issues. The content includes market research, product design documentation, storyboarding, proposal development, and presentation of a project report. Emphasis is placed on the techniques needed to develop well-documented, structured game or simulation programs. Extensive use is made of evaluating and analyzing existing games or simulations. Hands- on activities using an entry-level game development tool will result with the creation and presentation of a playable game with design documentation.

8208330/VPI	GAME AND SIMULATION PROGRAMMING		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Game and Simulation Design	
	Type of Credit:	Elective, Arts Elective	

This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, memory management, score-keeping, timed event strategies and methodologies, and implementation issues.

8208330H/VPIH	GAME AND SIMULATION PROGRAMMING HONORS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Game and Simulation Design/Permission of Instructor/Contract	
	Type of Credit:	Required Elective, Arts Elective	

This honors course offers extensive experience in Game & Simulation Programming. In addition to fulfilling all requirements of Game & Simulation Programming, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8208340/VPJ	MULTI-USER GAME AND SIMULATION PROGRAMMING		Career Prep
	Offered:	Grade 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Game and Simulation Programming	
	Type of Credit:	Elective, Arts Elective	

This course is focused on students acquiring the appropriate programming skills for rendering a game or simulation product, including program control, conditional branching, score-keeping, timed event strategies and methodologies, and implementation issues specific to multi-user game/simulation products.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8208340H/VPJH	MULTI-USER GAME AND SIMULATION PROGRAMMING HONORS Career Prep	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 12 1.0 Year Game and Simulation Programming/Permission of Instructor/ Contract Required Elective, Arts Elective

This honors course offers extensive experience in Multi-user Game & Simulation Programming. In addition to fulfilling all requirements of Multi-user Game & Simulation Programming, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	GAME/SIMULATION/ANIMATION VISUAL DESIGN		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8208100 ✳	8207310/VQA	Digital Information Technology OR	✓	Microsoft Office Specialist (MOS)
	8208110/VPE	Game and Simulation Foundations		
	8208120/VPF	Game and Simulation Design	✓	Adobe Certifications; Toon Boom
	8208130/VPG	Game and Simulation 2D Graphic Development	✓	Adobe Certifications; Toon Boom
	8208130H/VPGH	Game and Simulation 2D Graphic Development HONORS		
8208140/VPH	Game and Simulation 3D Graphic Animation	✓	Adobe Certifications; Toon Boom	
8208140H/VPHH	Game and Simulation 3D Graphic Animation HONORS			

8208110/VPE	GAME AND SIMULATION FOUNDATIONS Career Prep	
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 9, 10, 11, 12 1.0 Year Digital Design 6 Elective, Arts Elective

This course is designed to provide an introduction to game and simulation concepts and careers, the impact game and simulation has on society and industry, and basic game/simulation design concepts such as rule design, play mechanics, and media integration. This course compares and contrasts games and simulations, key development methodologies and tools, careers, and industry-related information. This course also covers strategies, processes, and methods for conceptualizing a game or simulation application, storyboarding techniques, and development tools. Hands-on activities using an entry-level game development tool will result in the creation of a playable game.

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◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and

8208120/VPF	GAME AND SIMULATION DESIGN		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Game and Simulation Foundations	
	Type of Credit:	Elective, Arts Elective	

This course covers fundamental principles of designing a game or a simulation application, in particular Human Computer Interface (HCI) principles, rules and strategies of play, conditional branching, design and development constraints, use of sound and animation, design tools, and implementation issues. The content includes market research, product design documentation, storyboarding, proposal development, and presentation of a project report. Emphasis is placed on the techniques needed to develop well-documented, structured game or simulation programs. Extensive use is made of evaluating and analyzing existing games or simulations. Hands-on activities using an entry-level game development tool will result with the creation and presentation of a playable game with design documentation.

8208130/VPG	GAME AND SIMULATION 2D GRAPHIC		DEVELOPME
	NTCareer Prep		
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Game and Simulation Design	
	Type of Credit:	Elective, Arts Elective	

This course is focused on students acquiring skills to create, refine, and integrate realistic 2D graphics into a game or simulation product. Students will essentially learn how to use a graphic software package, file maintenance strategies, and migration techniques and issues.

8208130H/VPGH	GAME AND SIMULATION 2D GRAPHIC DEVELOPMENT		HONORSCar
	eer Prep		
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Game and Simulation Design/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in Game & Simulation 2D Graphic Development. In addition to fulfilling all requirements of Game & Simulation 2D Graphic Development, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8208140/VPH	GAME AND SIMULATION 3D GRAPHIC		ANIMATION
	Career Prep		
	Offered:	Grade 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Game and Simulation 2D Graphic Development	
	Type of Credit:	Elective, Arts Elective	

This course is focused on students acquiring skills to create, refine, and integrate realistic 2D graphics into a game or simulation product. Students will essentially learn how to use a graphic software package, file maintenance strategies,

and migration techniques and issues.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8208140H/VPHH	GAME AND SIMULATION 3D GRAPHIC ANIMATION HONORS		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 12 1.0 Year Game and Simulation 2D Graphic Development/Permission of Instructor/Contract Required Elective, Arts Elective	

This honors course offers extensive experience in Game & Simulation 3D Graphic Animation. In addition to fulfilling all requirements of Game & Simulation 3D Graphic Animation, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	JAVA DEVELOPMENT & PROGRAMMING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9007200 ✿	8207310/VQA	Digital Information Technology	✓	Microsoft Office Specialist (MOS)
	9007210/VQF	Foundations of Programming		MTA Software Development Fundamentals
	9007220/VQG	Procedural Programming		MTA Software Development Fundamentals
	9007230/VQH	Object-Oriented Programming Fundamentals		
	9007240/VQI	Java Programming Essentials		
	9007250/VQJ	Applied Object-Oriented Java Programming		
	9007260/VQK	Specialized Java Database Programming		
	9007270/VQL	Java Programming Capstone		

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	Offered: Credit: Length: Prerequisite: Type of Credit:	Grade 9, 10, 11, 12 1.0 Year None Elective, Arts Elective	

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page

design, and the integration of these programs using software that meets industry standards.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

9007210/VQF	FOUNDATIONS OF PROGRAMMING		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Intro to IT	
Type of Credit:	Elective		

This course introduces concepts, techniques, and processes associated with computer programming and software development.

9007220/VQG	PROCEDURAL PROGRAMMING		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Foundations of Programming	
Type of Credit:	Elective		

This course continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques.

9007230/VQH	OBJECT-ORIENTED PROGRAMMING FUNDAMENTALS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Procedural Programming	
Type of Credit:	Elective		

This course continues the study of computer programming concepts with a focus on the creation of software applications employing object-oriented programming techniques.

9007240/VQI	JAVA PROGRAMMING ESSENTIALS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Object-Oriented Programming Fundamentals	
Type of Credit:	Elective		

This course continues the study of computer programming concepts specific to the Java programming language.

9007250/VQJ	APPLIED OBJECT-ORIENTED JAVA PROGRAMMING		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Java Programming Essentials	
Type of Credit:	Elective		

This course continues the study of computer programming concepts specific to the Java programming language.

9007260/VQK	SPECIALIZED JAVA DATABASE PROGRAMMING	Career Prep
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Offered:	Grade 11, 12
Credit:	1.0
Length:	Year
Prerequisite:	Applied Object-Oriented Java Programming
Type of Credit:	Elective

This course continues the study of computer programming concepts specific to the Java programming language.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

9007270/VQL	JAVA PROGRAMMING CAPSTONE		Career Prep
	Offered:	Grade 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Specialized Java Database Programming	
	Type of Credit:	Elective	

This course serves as the capstone course, providing students with the opportunity to apply acquired computer programming knowledge and skills specific to the Java programming language. The range of competencies students will be expected to demonstrate include project planning, design, documentation, Java programming, and reporting/presenting the results of the project. Each student will be expected to maintain a portfolio of the project and give a presentation of the completed work at the end of the course.

PROGRAM NUMBER	.NET APPLICATION DEVELOPMENT AND PROGRAMMING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9007400 ✨	8207310/VQA	Digital Information Technology	✓	Microsoft Office Specialist (MOS)
	9007210/VQF	Foundations of Programming		
	9007220/VQG	Procedural Programming		
	9007230/VQH	Object-Oriented Programming Fundamentals		
	9007410/VQM	.NET Application Development Foundation		
	9007420/VQN	.NET Application Development Applied		
	9007430/VQO	.NET Application Development Capstone		

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

✨ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

9007210/VQF	FOUNDATIONS OF PROGRAMMING		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Intro to IT	
	Type of Credit:	Elective	

This course introduces concepts, techniques, and processes associated with computer programming and software development.

9007220/VQG	PROCEDURAL PROGRAMMING		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Foundations of Programming	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques.

9007230/VQH	OBJECT-ORIENTED PROGRAMMING FUNDAMENTALS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Procedural Programming	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts with a focus on the creation of software applications employing object-oriented programming techniques.

9007410/VQM	.NET APPLICATION DEVELOPMENT FOUNDATION		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Object-Oriented Programming Fundamentals	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts specific to the Internet and Internet-based software applications.

9007420/VQN	.NET APPLICATION DEVELOPMENT APPLIED		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	.NET Application Development Foundation	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts specific to the Internet and Internet-based software applications.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information*

9007430/VQO	.NET APPLICATION DEVELOPMENT		CAPSTONECa
	reer Prep		
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	.NET Application Development Foundation	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts specific to the Internet and Internet-based software applications.

PROGRAM NUMBER	NETWORK SUPPORT SERVICES		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8208000 ⚙️	8207310/VQA	Digital Information Technology	✓	Microsoft Office Specialist (MOS)
	8207020/VMl	Networking 1		MTA Software Development; MTA Windows Server Admin. Fundamentals; MTA Windows OS Fundamentals; CISCO Certified Entry Network Technician
	8207030/VMJ 8207030H/VMJH	Networking 2 Infrastructure Networking 2 Infrastructure HONORS		MTA Software Development; MTA Windows Server Admin. Fundamentals; MTA Windows OS Fundamentals; CISCO Certified Entry Network Technician
	8207040/VMK 8207040H/VMKH	Networking 3 Infrastructure Networking 3 Infrastructure HONORS		MTA Software Development; MTA Windows Server Admin. Fundamentals; MTA Windows OS Fundamentals; CISCO Certified Entry Network Technician
	8207050/VMO 8207050H/VMOH	Networking 4 Infrastructure Networking 4 Infrastructure HONORS		
	8207060/VMP 8207060H/VMPH	Networking 5 Infrastructure Networking 5 Infrastructure HONORS		

	8207070/VMQ 8207070H/VMQH	Networking 6 Infrastructure Networking 6 Infrastructure HONORS		
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8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

8207020/VMI	NETWORKING 1		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is designed to develop competencies needed for employment in network support positions. The content includes instruction in basic hardware configuration, hardware and software troubleshooting, operating systems, and computer networking.

8207030/VMJ	NETWORKING 2 INFRASTRUCTURE		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 1	
	Type of Credit:	Elective	

This course focuses on understanding network terminology and protocols, local-area networks, wide-area networks, OSI models, cabling, cabling tools, routers, router programming, Ethernet, IP addressing and network standards.

8207030H/VMJH	NETWORKING 2 INFRASTRUCTURE HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 1/Permission of Instructor/Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Network Infrastructure. In addition to fulfilling all requirements of Networking 2, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✿ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8207040/VMK	NETWORKING 3 INFRASTRUCTURE		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 2 Infrastructure	
	Type of Credit:	Elective	

This course continues the study of network support services. The content includes IT management skills, troubleshooting and diagnostic techniques; network design, devices, topographies, protocols and standards; e-mail and Internet activities, network traffic control and security, and WAN vs. LAN technologies.

8207040H/VMKH	NETWORKING 3 INFRASTRUCTURE HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 2 Infrastructure/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Network Infrastructure. In addition to fulfilling all requirements of Networking 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8207050/VMO	NETWORKING 4 INFRASTRUCTURE		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 3 Infrastructure	
	Type of Credit:	Elective	

This course continues the study of network support services. The student will learn to install, configure, and maintain large networks. Student will also be able to demonstrate proficiency in defining, configuring and trouble-shooting the following protocols: IP, IGRP, IPX, Async Routing, AppleTalk, Extended Access Lists, IP RIP, Route Redistribution, RIP, Route Summarization, OSPF, VLSM, BGP, Serial, Frame Relay, ISDN, ISL, X.25, DDR, PSTN, PPP, VLANs, Ethernet, Access Lists, 802.10, FDDI, Transparent and Translational Bridging installation.

8207050H/VMOH	NETWORKING 4 INFRASTRUCTURE HONORS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 3 Infrastructure/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Network Infrastructure. In addition to fulfilling all requirements of Networking 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

⚙️ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8207060/VMP	NETWORKING 5		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 4 Infrastructure	
	Type of Credit:	Elective	

This course continues the study of network support services. The content includes wireless networking technologies, implementation, management and security.

8207060H/VMPH	NETWORKING 5		HONORSCar
	eer Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 4 Infrastructure/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Network Infrastructure. In addition to fulfilling all requirements of Networking 5, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8207070/VMQ	NETWORKING 6		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 5	
	Type of Credit:	Elective	

This course continues the study of network support services. The content includes network security.

8207070H/VMQH	NETWORKING 6		HONORSCar
	eer Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Networking 5 Infrastructure/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Network Infrastructure. In addition to fulfilling all requirements of Networking 6, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

⚙️ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and

PROGRAM NUMBER	TECHNOLOGY SUPPORT SERVICES		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9001400 ✪	9001410/XTC	IT Essentials or		Microsoft Office Specialist (MOS)
	82073101/VQA	Digital Information Technology	✓	
	9001420/XTD	Technology Support Services - Client Systems		
	9001430/XTE	Technology Support Services - Network Systems		
	9001440/XTF	Technology Support Services - Specialized Technologies		

9001410/XTC	IT			ESSENTIALSC
	Career Prep			
	Offered:	Grade 9, 10, 11, 12		
	Credit:	1.0		
	Length:	Year		
	Prerequisite:	None		
	Type of Credit:	Elective		

This course introduces students to the essential concepts, components, terminology, and knowledge about computers, computer systems, peripherals, and networks.

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
	Career Prep		
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective/Arts Elective	

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

9001420/XTD	TECHNOLOGY SUPPORT SERVICES-CLIENT SYSTEMS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	IT Essentials or Intro to IT	
	Type of Credit:	Elective	

Students will learn proficiency with personal computer hardware, install and configure client system hardware, troubleshoot, repair and maintain client systems, configure and perform system backup and recovery of a client system and other related content. The content includes but is not limited to practical experiences in the implementation, management, and maintenance of advanced technology user environments.

9001430/XTE	TECHNOLOGY SUPPORT SERVICES-NETWORK SYSTEMS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Technology Support Services – Client Systems	
	Type of Credit:	Elective	

Students will learn to describe the operation of data networks, differentiate between various network media and topologies, install and configure basic network devices, demonstrate proficiency using basic network tools, and demonstrate an understanding of network IP addressing and associated issues. The content includes but is not limited to practical experiences in the implementation, management, and maintenance of advanced technology user environments.

9001440/XTF	TECHNOLOGY SUPPORT SERVICES-SPECIALIZED TECHNOLOGIES		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Technology Support Services – Network Systems	
	Type of Credit:	Elective	

Students will learn to configure Full Disk Encryption (FDE) software (e.g., BitLocker, BitLocker To Go), configure intranet tunneling software (e.g., DirectAccess, Barracuda), demonstrate proficiency with Network Mobility (NEMO) basic support protocol, monitor and optimize system performance, demonstrate proficiency with troubleshooting specialized network and communications devices and other related content. The content includes but is not limited to practical experiences in the implementation, management, and maintenance of advanced technology user environments.

❁ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

PROGRAM NUMBER	WEB APPLICATION DEVELOPMENT AND PROGRAMMING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9007500 ✪	8207310/VQA	Digital Information Technology	✓	Microsoft Office Specialist (MOS)
	9007210/VQF	Foundations of Programming		MTA Software Development Fundamentals
	9007220/VQG	Procedural Programming		MTA Software Development Fundamentals
	9007230/VQH	Object-Oriented Programming		MTA Software Development Fundamentals
	9007510/VQP	Web Programming		
	9007520/VQQ	JavaScript Programming		
	9007530/VQR	PHP Programming		

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective, Arts Elective		

This course is designed to provide an introduction to information technology concepts and careers as well as the impact information technology has on the world, people, and industry and basic web design concepts. The content includes information technology career research; operating systems and software applications; electronic communications including e-mail and Internet services; basic HTML, DHTML, and XML web commands and design; emerging technologies, and Web page design

9007210/VQF	FOUNDATIONS OF PROGRAMMING		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Intro to IT		
Type of Credit:	Elective		

This course introduces concepts, techniques, and processes associated with computer programming and software development.

9007220/VQG	PROCEDURAL PROGRAMMING		Career Prep
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Foundations of Programming		
Type of Credit:	Elective		

This course continues the study of computer programming concepts with a focus on the creation of software applications employing procedural programming techniques.

✪ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

9007230/VQH	OBJECT-ORIENTED PROGRAMMING FUNDAMENTALS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Procedural Programming	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts with a focus on the creation of software applications employing object-oriented programming techniques.

9007510/VQP	WEB PROGRAMMING		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Object-Oriented Programming Fundamentals	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts specific to the Internet and Internet-based software applications.

9007520/VQQ	JAVASCRIPT PROGRAMMING		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Web Programming	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts specific to client-side JavaScript.

9007530/VQR	PHP PROGRAMMING		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	JavaScript Programming	
	Type of Credit:	Elective	

This course continues the study of computer programming concepts specific to client-side JavaScript.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

PROGRAM NUMBER	WEB DEVELOPMENT		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9001100✳	8207310/VQA	Digital Information Technology	✓	Microsoft Office Specialist (MOS)
	9001110/YTG	Foundations of Web Design	✓	Adobe Certifications
	9001120/YTH	User Interface Design	✓	Adobe Certifications
	9001130/YTI	Web Scripting Fundamentals	✓	Adobe Certifications
	9001140/YTJ	Media Integration Essentials	✓	Adobe Certifications
	9001150/YTK	E-commerce and Marketing Essentials		Adobe Certifications
	9001160/YTL	Interactivity Essentials	✓	Adobe Certifications

8207310/VQA	DIGITAL INFORMATION TECHNOLOGY		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective		

This course is designed to provide a basic overview of current business and information systems and trends, and to introduce students to fundamental skills required for today's business and academic environments. Emphasis is placed on developing fundamental computer skills. The intention of this course is to prepare students to be successful both personally and professionally in an information based society. Digital Information Technology includes the exploration and use of: databases, the internet, spreadsheets, presentation applications, management of personal information and email, word processing and document manipulation, HTML, web page design, and the integration of these programs using software that meets industry standards.

9001110/YTG	FOUNDATIONS OF WEB DESIGN		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Computing for College & Careers/ (OR) Introduction to Information Technology		
Type of Credit:	Elective, Arts Elective		

This course is designed to provide students with opportunities to acquire and apply foundational skills related to web design.

✳ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

9001120/YTH	USER INTERFACE DESIGN		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Foundations of Web Design	
	Type of Credit:	Elective, Arts Elective	

This course provides advanced concepts used in interface design. The content includes principles of Human Computer Interface (HCI), advanced page design using Cascading Style Sheets (CSS), advanced HTML commands, multimedia applications, Internet/Intranet tools, and website promotion.

9001130/YTI	WEB SCRIPTING FUNDAMENTALS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	User Interface Design	
	Type of Credit:	Elective	

This course provides an introduction to scripting related to web development. The content primarily focuses on client-side scripting using JavaScript.

9001140/YTJ	MEDIA INTEGRATION ESSENTIALS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Web Scripting Fundamentals	
	Type of Credit:	Elective	

This course provides in-depth instruction into techniques for integrating various forms of media onto webpage's, with particular focus on XML and AJAX technologies and frameworks. Students should have a good understanding of JavaScript prior to taking this course.

9001150/YTK	E-COMMERCE AND MARKETING ESSENTIALS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Media Integration Essentials	
	Type of Credit:	Elective	

This course provides instruction in the design, creation, marketing, and monitoring of e-commerce websites. Content also includes the associated security issues and methods.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

9001160/YTL	INTERACTIVITY ESSENTIALS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	E-Commerce and Marketing Essentials	
	Type of Credit:	Elective	

This course provides instruction on technologies and techniques for enhancing the interactivity of websites from both site visitor and administration perspectives. Also covered are methods for PDF forms handling and content management.

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
9000420	9000420/VPR	Information Technology Cooperative <i>OJT</i>

9000420/VPR	INFORMATION TECHNOLOGY COOPERATIVE <i>OJT</i>		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Enrollment in a Career Prep Information Technology Education Program	
	Type of Credit:	Elective	

The purpose of this course is to provide an Information Technology on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

LAW, PUBLIC SAFETY AND SECURITY CLUSTER

PROGRAM NUMBER	CRIMINAL JUSTICE OPERATIONS		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8918000 ✪	8918010/YRB	Criminal Justice Operations 1		
	8918020/YRC	Criminal Justice Operations 2		
	8918030/YRD 8918030H/YRDH	Criminal Justice Operations 3 Criminal Justice Operations 3 HONORS		
	8918040/YRG 8918040H/YRGH	Criminal Justice Operations 4 Criminal Justice Operations 4 HONORS		

8918010/YRB	CRIMINAL JUSTICE OPERATIONS 1		Career Prep	
	Offered:	Grade 9, 10, 11, 12		
	Credit:	1.0		
	Length:	Year		
	Prerequisite:	None		
	Type of Credit:	Elective		

This course is designed to introduce students to the fields of law enforcement, the court system, and the correctional system. The content includes career opportunities in these fields, court system, correctional system, interpersonal and communication skills, and employability skills.

8918020/YRC	CRIMINAL JUSTICE OPERATIONS 2		Career Prep	
	Offered:	Grade 10, 11, 12		
	Credit:	1.0		
	Length:	Year		
	Prerequisite:	Criminal Justice Operations 1		
	Type of Credit:	Elective		

This course is designed to develop competencies in patrol, traffic control, defensive tactics and physical proficiency skills, and first aid and cardiopulmonary resuscitation skills.

8918030/YRD	CRIMINAL JUSTICE OPERATIONS 3		Career Prep	
	Offered:	Grade 11, 12		
	Credit:	1.0		
	Length:	Year		
	Prerequisite:	Criminal Justice Operations 2		
	Type of Credit:	Elective		

This course is designed to develop competencies in crime and accident investigation procedures, forensic science tasks, crime prevention, and property control procedures.

8918030H/YRDH	CRIMINAL JUSTICE OPERATIONS 3 HONORS		Career Prep	
	Offered:	Grade 11, 12		
	Credit:	1.0		
	Length:	Year		
	Prerequisite:	Criminal Justice Ops 2/Permission of Inst/Contract Req.		
	Type of Credit:	Elective		

This honors course offers extensive experience in Public Services. In addition to fulfilling all requirements of Criminal Justice Operations 3, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8918040/YRG	CRIMINAL JUSTICE OPERATIONS 4		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Criminal Justice Operations 3	
	Type of Credit:	Elective	

This course is designed to develop competencies in crime and accident investigation procedures, forensic science tasks, crime prevention, and property control procedures. This course offers two (2) tracks and is intended to provide flexibility for students in the last year of the Criminal Justice program. Track 1 is divided into eight (8) options consisting of Standards 23 – 91. This track is focused on the criminal justice system. Four (4) of these options should be selected to complete this one credit course. Track 2 is comprised of Standards 92 – 103 and is a one credit course focused on the administrative aspects of the legal system. To complete the program, students must complete either Track 1 or Track 2.

8918040H/YRGH	CRIMINAL JUSTICE OPERATIONS 4 HONORS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Criminal Justice Operations 3/Permission of Instructor/ Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Public Services. In addition to fulfilling all requirements of Criminal Justice Operations 4, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	INTRODUCTION TO FIRE FIGHTING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8918200 ✦	8918210	Fire Fighting 1		
	8918220	Fire Fighting 2		
	8918230	Fire Fighting 3		

8918210/MAF	FIRE FIGHTING 1		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is to provide an introduction to a career of Fire Science that can lead to employment, after further instruction, to a career as a fire fighter or other disciplines in the Fire Science realm.

✦ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information

8918220/MAD	FIRE FIGHTING 2		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Fire Fighting 1	
	Type of Credit:	Elective	

This course is to provide an introduction to a career of Fire Science that can lead to employment, after further instruction, to a career as a fire fighter or other disciplines in the Fire Science realm.

8918230/MAE	FIRE FIGHTING 3		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Fire Fighting 2	
	Type of Credit:	Elective	

This course is to provide an introduction to a career of Fire Science that can lead to employment, after further instruction, to a career as a fire fighter or other disciplines in the Fire Science realm.

PROGRAM NUMBER	PUBLIC SAFETY COMMUNICATION		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9101000 ✪	9101100/YDA	Dispatcher: Police, Fire, Ambulance		911 Operator

9101100/YDA	DISPATCHER: POLICE, FIRE,		AMBULANCE
	Career Prep		
	Offered:	Grade 11, 12	
	Credit:	1.5	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

The purpose of this program is to prepare students for employment as a dispatcher: police, fire, ambulance. The content includes, but is not limited to, ethics and the role of the telecommunicator; standard telecommunication operating procedures; relationship to field personnel; understanding of command levels; typical layouts of message centers; use of performance aids; overview of emergency agencies; functions and terminology; use of correct words and grammar; communications equipment, functions and terminology; types of telecommunication equipment; malfunctions and maintenance agreements; proper and correct telephone and dispatching procedures and techniques; cooperation and reciprocal agreements with other agencies; federal, state, and local communication rules; emergency situations and operating procedures; emergency medical dispatch procedures; employability skills; leadership and human relations skills; and health.

✪ **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8900100/YRK	LAW, PUBLIC SAFETY & SECURITY EDUCATION <i>DIRECTED STUDY</i> Career Prep	
	Offered:	Grade 11, 12
	Credit:	Multiple
	Length:	Year
	Prerequisite:	Completed or Enrolled in Law, Public Safety & Security Education Career Prep Program
Type of Credit:	Elective	

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the *Law, Public Safety & Security* cluster that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed a specific *Law, Public Safety & Security* career preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

MANUFACTURING CLUSTER

PROGRAM NUMBER	AUTOMATION AND PRODUCTION TECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9200100 ✪	9200120/YUU	Automation and Production Technology 2		Autodesk Inventor
	9200130/YUV	Automation and Production Technology 3		MSSC Certified Production Technician
	9200140/YUW	Automation and Production Technology 4		MSSC Certified Production Technician

****THE AUTOMATION AND PRODUCTION TECHNOLOGY PROGRAM (9200100) IS DAGGERED FOR DELETION. There are NO new enrollments in this program for 2018-19. Only enroll current Automation and Production Technology program students into the Automation and Production Technology 2 - 4 courses. The program Automation and Production Technology program (9200100) is replaced with ADVANCED MANUFACTURING TECHNOLOGY (9200200).**

9200120/YUU	AUTOMATION AND PRODUCTION TECHNOLOGY 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Automation and Production Technology 1
	Type of Credit:	Elective, Arts Elective

This course provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, etc. This course includes instruction in the fundamentals of automation, manufacturing, and engineering technologies.

9200130/YUV	AUTOMATION AND PRODUCTION TECHNOLOGY 3	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Automation and Production Technology 2
	Type of Credit:	Elective

This course provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, etc. This course includes instruction in the fundamentals of automation, manufacturing, and engineering technologies.

✪ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

PROGRAM NUMBER	ADVANCED MANUFACTURING TECHNOLOGY		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9200200 ✪	9200210/YCA	Advanced Manufacturing Technology 1		
	9200220/YCB	Advanced Manufacturing Technology 2		
	9200230/YCC	Advanced Manufacturing Technology 3		
	9200240/YCD	Advanced Manufacturing Technology 4		

****NEW PROGRAM:** The **ADVANCED MANUFACTURING TECHNOLOGY PROGRAM (9200200)** replaces the **Automation and Production Technology (9200100)** program.

9200210/YCA	ADVANCED MANUFACTURING TECHNOLOGY 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
	Type of Credit:	Elective, Arts Elective

The course prepares students for entry into the advanced manufacturing industry. Content emphasizes beginning skills key to the success of working in the manufacturing industry. Students gain an understanding of technology and the concept of Design for Manufacturing, study workplace safety and workplace organization, workplace communication skills, and basic machine operation.

9200220/YCB	ADVANCED MANUFACTURING TECHNOLOGY 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Advanced Manufacturing Technology 1
	Type of Credit:	Elective, Arts Elective

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, etc. This course includes instruction in the fundamentals of automation, manufacturing, and engineering technologies.

9200230/YCC	ADVANCED MANUFACTURING TECHNOLOGY 3	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Advanced Manufacturing Technology 2
	Type of Credit:	Elective, Arts Elective

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, etc. This course includes instruction in the fundamentals of automation, manufacturing, and engineering technologies.

✪ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

9200230/YCD	ADVANCED MANUFACTURING TECHNOLOGY 4	
	Offered:	Grade 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Advanced Manufacturing Technology 3
Type of Credit:	Elective, Arts Elective	

This program offers a sequence of courses that provides coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in the manufacturing career cluster; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, etc. This course includes instruction in the fundamentals of automation, manufacturing, and engineering technologies.

MARKETING, SALES, AND SERVICES CLUSTER

PROGRAM NUMBER	ENTREPRENEURSHIP		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8812100 ✪	8812110/YMC	Principles of Entrepreneurship		
	8812120/YMD	Business Management and Law		
	8812000/YME	Business Ownership		N/A

8812110/YMC	PRINCIPLES OF ENTREPRENEURSHIP		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
Type of Credit:	Elective, Arts Elective		

This course is designed to provide the basic principles of entrepreneurship including the role of the entrepreneur; entrepreneurship as a career; ethics in business; and the principles of marketing, financing, and managing a business.

8812120/YMD	BUSINESS MANAGEMENT AND LAW		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Principles of Entrepreneurship	
Type of Credit:	Elective		

This course is designed to provide an introduction to business management techniques. Course content includes human relations, decision-making, communication techniques, business law concepts, and characteristics of the American enterprise system.

✪ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

800/YME	BUSINESS OWNERSHIP		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Business Management and Law	
	Type of Credit:	Elective, Arts Elective	

This course is designed to prepare students as entrepreneurs; to present entrepreneurship as a worthy career path; to provide students with the skills needed to realistically evaluate business ownership potential; and to develop the fundamental knowledge and skills necessary to start and operate a business.

PROGRAM NUMBER	FASHION MARKETING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8806000 ?	8806010/YMG	Fashion Essentials	✓	
	8806020/YMH	Fashion Applications	✓	
	8806030/YMI 8806030H/YMIH	Fashion Marketing Mgmt. Fashion Marketing Mgmt. HONORS	✓	N/A

8806010/YMG	FASHION ESSENTIALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course is designed to develop the competencies essential to fashion marketing. Course competencies include the fundamentals of fashion marketing and selling; employability and human relations skills; and career opportunities in the fashion marketing industry.

8806020/YMH	FASHION APPLICATIONS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Fashion Essentials	
	Type of Credit:	Elective, Arts Elective	

This course is designed to teach applied skills related to fashion marketing functions. Course content includes product/service planning and selling techniques; color and design fundamentals; textile and yarn usage; and fabric design and construction.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8806030/YMI	FASHION MARKETING MANAGEMENT		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Fashion Applications	
	Type of Credit:	Elective, Arts Elective	

This course is designed to provide students with an in-depth study of fashion marketing in a free enterprise society. The content includes employability skills; fashion management and finance; technical and production skills; labor and community issues; health, safety, and environmental issues; and fashion entrepreneurship.

8806030H/YMIH	FASHION MARKETING MANAGEMENT HONORS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Fashion Applications/Permission of Instructor/Contract Required	
	Type of Credit:	Elective, Arts Elective	

This honors course offers extensive experience in Marketing. In addition to fulfilling all requirements of Fashion Marketing Management, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	SPORT, RECREATION AND ENTERTAINMENT (SRE) MARKETING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8827400 ?	8827410/YOP	SRE Essentials	✓	ACA Photoshop, Flash, Dreamweaver
	8827420/YOQ	SRE Applications	✓	ACA Photoshop, Flash, Dreamweaver
	8827430/YOR 8827430H/YORH	SRE Marketing Management SRE Marketing Management HONORS		ACA Photoshop, Flash, Dreamweaver
	8827440/YOT	SRE Internship		ACA Photoshop, Flash, Dreamweaver

8827410/YOP	SRE ESSENTIALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is designed to develop the competencies essential to the sport, recreation, and entertainment marketing industry. These competencies include employability, human relations, communication, math, and economic skills. Course content includes the fundamentals of sport, recreation, and entertainment marketing and promotion.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8827420/YOQ	SRE APPLICATIONS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	SRE Essentials	
	Type of Credit:	Elective, Arts Elective	

This course is designed to provide students with an in-depth study of sport, recreation, and entertainment marketing in a free enterprise society and provide the knowledge, skills, and attitudes required for employment in a wide variety of sport, recreation, and entertainment marketing occupations.

8827430/YOR	SRE MARKETING MANAGEMENT		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	SRE Applications	
	Type of Credit:	Elective	

This course is designed to provide instruction for career sustaining employment in the sport, recreation, and entertainment industry. The content includes applied skills related to sport, recreation, and entertainment marketing functions; employment skills required for sport, recreation, and entertainment management; and career planning for the sport, recreation, and entertainment industry.

8827430H/YORH	SRE MARKETING MANAGEMENT HONORS		Career Prep
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	SRE Applications/Permission of Instructor/Contract Required	
	Type of Credit:	Elective	

This honors course offers extensive experience in Marketing. In addition to fulfilling all requirements of Sport, Recreation, and Entertainment Marketing students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

8827440/YOT	SRE		INTERNSHIP
	Career Prep		
	Offered:	Grade 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	SRE Marketing Management	
	Type of Credit:	Elective	

The Sport, Recreation, and Entertainment internship course provides students with authentic learning experiences in which they demonstrate human relations, technical, communication, and career development skills through entry level employment in the financial services industry. Through hands-on project management, major tasks outlined in a training plan, mentors supervise student learning in specific skill attainment and professional development. Students earn high school credit and may earn financial compensation.

✿ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

PROGRAM NUMBER	MARKETING, MANAGEMENT & ENTREPRENEURIAL PRINCIPLES		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
9200500 	8827110/YOB	Marketing Essentials	✓	Microsoft Office Specialist (MOS); Adobe Certifications
	8827120/YOC	Marketing Applications	✓	Adobe Certifications
	8827130/YOH 8827130H/YOHH	Marketing Management Marketing Management HONORS	✓	Adobe Certifications

8827110/YOB	MARKETING ESSENTIALS		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	None		
Type of Credit:	Elective, Arts Elective		

This course is designed to develop the competencies essential to marketing. These competencies include human relations, employability, communication, math, and economic skills. Course content also includes the fundamentals of marketing and promotion.

8827120/YOC	MARKETING APPLICATIONS		Career Prep
Offered:	Grade 9, 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Marketing Essentials		
Type of Credit:	Elective, Arts Elective		

This course is designed to provide students with an in-depth study of marketing in a free enterprise society and provide the knowledge, skills, and attitudes required for employment in a wide variety of marketing occupations.

8827130/YOH	MARKETING MANAGEMENT		Career Prep
Offered:	Grade 10, 11, 12		
Credit:	1.0		
Length:	Year		
Prerequisite:	Marketing Applications		
Type of Credit:	Elective, Arts Elective		

This course is designed to provide instruction for sustaining career employment in the marketing industry. The content includes applied skills related to the marketing functions; employment skills required for marketing careers; and career planning as related to a marketing industry.

 **GOLD SEAL PROGRAM**

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

8827130H/YOHH	MARKETING MANAGEMENT		HONORSCar
	eer Prep		
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Marketing Applications/Permission of Instructor/Contract	
	Type of Credit:	Required Elective	

This honors course offers extensive experience in Marketing. In addition to fulfilling all requirements of Marketing Management, students will participate in a Career and Technical Education Leadership project or a Career and Technical Education Honors capstone project.

PROGRAM NUMBER	ECOMMERCE MARKETING		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8827200 ✪	8827110/YOB	Marketing Essentials	✓	Microsoft Office Specialist (MOS); Adobe Certifications
	8827120/YOC	Marketing Applications	✓	Adobe Certifications
	8827210/YOD	eCommerce Marketing		

8827110/YOB	MARKETING ESSENTIALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective, Arts Elective	

This course is designed to develop the competencies essential to marketing. These competencies include human relations, employability, communication, math, and economic skills. Course content also includes the fundamentals of marketing and promotion.

8827120/YOC	MARKETING APPLICATIONS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Marketing Essentials	
	Type of Credit:	Elective, Arts Elective	

This course is designed to provide students with an in-depth study of marketing in a free enterprise society and provide the knowledge, skills, and attitudes required for employment in a wide variety of marketing occupations.

8827210/YOD	ECOMMERCE MARKETING		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	Marketing Applications	
	Type of Credit:	Elective	

This course is designed to provide students with a general knowledge of the use of the Internet as a marketing tool. Course content includes web site development techniques, management of an Internet marketing campaign and other web-based marketing activities.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

PROGRAM NUMBER	PRACTICAL ARTS COURSES	
	Course Number	Course Name
8800310	8800310/YMB	Practical Entrepreneurship Skills

8800310/YMB	PRACTICAL ENTREPRENEURSHIP SKILLS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	None
	Type of Credit:	Elective

This course is designed to introduce students to the concept of entrepreneurship and to develop an awareness of the business and economic principles necessary for the entrepreneur. Course content also includes an opportunity to evaluate entrepreneurship potential.

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8800410	8800410/YPB	Marketing, Sales, & Services Cooperative <i>OJT</i>
8800100	8800100/XMY	Marketing, Sales, & Services <i>Directed Study</i>

8800410/YPB	MARKETING, SALES, AND SERVICES COOPERATIVE <i>OJT</i>		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Enrollment in a Marketing, Sales, & Services Career Prep Program	
	Type of Credit:	Elective	

The purpose of this course is to provide Marketing, Sales, and Services on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

8800100/XMY	MARKETING, SALES, AND SERVICES <i>DIRECTED STUDY</i>		Career Prep
	Offered:	Grade 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Completion of a Marketing, Sales, & Services Career Prep Program	
	Type of Credit:	Elective	

The purpose of this course is to provide students with learning opportunities in a prescribed program of study within the *Marketing, Sales, and Services* cluster that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed a specific *Marketing, Sales, and Services* career preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

✿ **GOLD SEAL PROGRAM**

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

ADDITIONAL CTE PROGRAMS AND COURSES

PROGRAM NUMBER	DIVERSIFIED CAREER TECHNOLOGY (DCT)		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8303000 ?	8303010/VSB	DCT Principles		
	8300410/VSD	DCT OJT		
	8303020/VSC	DCT Applications		
	8303030/VSP	DCT Management		

Diversified Career Technology OJT does NOT count as a course in the Gold Seal Program. Students must take DCT Principles, Applications, and Management to earn Gold Seal status.

8303010/VSB	DCT PRINCIPLES		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	None	
	Type of Credit:	Elective	

This course is designed to enable each student to demonstrate employability skills; environmental, health, and safety skills; professional, legal, and ethical responsibilities; financial skills; leadership skills; communication skills; human resources and labor skills; America's economic principles; entrepreneurship principles; relate planning methods to life and career goals; and use of industry/technology principles in the workplace.

8300410/VSD	DCT OJT		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Enrollment in a DCT course	
	Type of Credit:	Elective	

This course is designed to enable each student to demonstrate competencies in a specific career and to demonstrate legal and ethical behavior within the role and scope of job responsibilities through a realistic, on- the-job training experience. An individualized training plan is developed and utilized to ensure that training is provided which will develop the necessary competencies/skills in order for the student to become competent in the occupation for which he/she is being trained.

8303020/VSC	DCT APPLICATIONS		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	DCT Principles	
	Type of Credit:	Elective	

This course is designed to enable each student to apply environmental, health, and safety skills; professional, legal, and ethical responsibilities; financial management skills; leadership skills; social, legal, and economic aspects of employment; international economic principles; components of a business plan; decision-making skills to life and career goals; technical skills; and the functions of management.

⚙️ **GOLD SEAL PROGRAM**

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8303030/VSP	DCT		MANAGEMENT
	NTCareer Prep		
	Offered:	Grade 11, 12	
	Credit:	1.0	
	Length:	Year	
	Prerequisite:	DCT Applications	
	Type of Credit:	Elective	

This course is designed to enable each student to implement competency and mastery in the areas of employability (human resource); environmental, health, and safety; professional, legal and ethical workplace responsibilities; financial planning; leadership skills; communication skills; labor and human resource issues related to the workplace; global and economic issues; a business plan; employability skills related to life and career goals; managerial/supervisory uses of technology; the five functions of management; the role of the manager; and technical and production skills.

PROGRAM NUMBER	WORK EXPERIENCE		HS ARTS CREDIT	INDUSTRY CERTIFICATION
	Course Number	Course Name		
8301600	8301610/VSL	Work Experience 1		
	8301620/VSM	Work Experience 2		
	8301630/VSJ	Work Experience 3		
	8301640/VSN	Work Experience 4		
	8301650/VSO	Work Experience OJT		

Work Experience is for Dropout Prevention only.

8301610/VSL	WORK EXPERIENCE 1	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Enrollment in Work Experience OJT
	Type of Credit:	Practical Arts

The Work Experience program provides support for at-risk students. This course is designed to provide instruction in the methods of acquiring the necessary human relations skills, work ethic, and common knowledge required for successful employment and for selection of a career plan that will guide the transition from school-to-work. Concurrently, the student is to be engaged in paid, supervised part-time employment as a means of gaining experience in the work environment. Opportunities are provided for the student to obtain competencies and recognition through successful work experience and to satisfactorily complete a high school education.

8301620/VSM	WORK EXPERIENCE 2	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Enrollment in Work Experience OJT
	Type of Credit:	Practical Arts

The Work Experience program provides support for at-risk students. This course is designed to provide instruction in the methods of acquiring the necessary human relations skills, work ethic, and common knowledge required for successful employment and for selection of a career plan that will guide the transition from school-to-work. Concurrently, the student is to be engaged in paid, supervised part-time employment as a means of gaining experience in the work environment. Opportunities are provided for the student to obtain competencies and recognition through successful work experience and to satisfactorily complete a high school education.

❁ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

8301630/VSJ	WORK EXPERIENCE 3	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Enrollment in Work Experience OJT
	Type of Credit:	Practical Arts

The Work Experience program provides support for at-risk students. This course is designed to provide instruction in the methods of acquiring the necessary human relations skills, work ethic, and common knowledge required for successful employment and for selection of a career plan that will guide the transition from school-to-work. Concurrently, the student is to be engaged in paid, supervised part-time employment as a means of gaining experience in the work environment. Opportunities are provided for the student to obtain competencies and recognition through successful work experience and to satisfactorily complete a high school education.

8301640/VSN	WORK EXPERIENCE 4	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Teacher Recommendation/Enrollment in Work Experience OJT
	Type of Credit:	Practical Arts

The Work Experience program provides support for at-risk students. This course is designed to provide instruction in the methods of acquiring the necessary human relations skills, work ethic, and common knowledge required for successful employment and for selection of a career plan that will guide the transition from school-to-work. Concurrently, the student is to be engaged in paid, supervised part-time employment as a means of gaining experience in the work environment. Opportunities are to be provided for the student to obtain competencies and recognition through successful work experience and to satisfactorily complete a high school education.

8301650/VSO	WORK EXPERIENCE OJT	
	Offered:	Grade 9, 10, 11, 12
	Credit:	Multiple
	Length:	Year
	Prerequisite:	Enrollment in a Work Experience Course
	Type of Credit:	Practical Arts

This course is designed to provide students with realistic on-the-job training experience to acquire and apply knowledge, skills, and attitudes in an occupational field. The respective cooperative teacher and employer provide on-the-job supervision. This on-the-job portion of the program may be repeated for credit. Specific job skills must be identified on a job skills form. Selected job skills will be evaluated a minimum of once during each grading period.

✿ GOLD SEAL PROGRAM

◆ *Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.*

PROGRAM NUMBER	PRACTICAL ARTS COURSES	
	Course Number	Course Name
8300320	8300320/VSQ	Practical Arts General
8300330	8300330/VSE	Workplace Technology Applications

8300320/VSQ	PRACTICAL ARTS GENERAL	
	Offered:	Grade 9, 10, 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	None
Type of Credit:	Practical Arts	

This course is designed to provide students with general practical skills. The content of this course will consist of the content contained in two or more existing practical arts courses. Instructional and learning activities are provided in a laboratory setting using hands-on experiences with the tools and materials appropriate to the course content and in accordance with current practices.

8300330/VSE	WORKPLACE TECHNOLOGY APPLICATIONS	
	Offered:	Grade 9, 10, 11, 12
	Credit:	.50
	Length:	Semester
	Prerequisite:	Teacher Recommendation/Enrollment in Work Experience OJT
Type of Credit:	Practical Arts	

This course is designed to provide students with general knowledge of technology, how it works, and its uses in the workplace. The content includes instruction in the use of computers and other pieces of technology, workplace related software applications, legal issues affecting the use of computers and technology, and possible future impact of computers and technology in the workplace.

PROGRAM NUMBER	OTHER COURSES	
	Course Number	Course Name
8300420	8300420/VSF	Diversified Cooperative <i>OJT</i>
8300100	8300100/VSI	Diversified <i>Directed Study</i>
8300430	8300430/VSH	Guided Workplace Learning
8300310	8300310/VSG	Workplace Essentials

8300420/VSF	DIVERSIFIED COOPERATIVE <i>OJT</i>		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	Multiple	
	Length:	Semester	
	Prerequisite:	Enrollment in a Diversified Education Career Prep Program	
Type of Credit:	Elective		

The purpose of this course is to provide an on-the-job training component when the cooperative method of instruction is appropriate. Whenever the cooperative method is offered, the following is required for each student: A training agreement; a training plan signed by the student, teacher and employer, including instructional objectives; a list of on-the-job and in-school learning experiences; a workstation which reflects equipment, skills and tasks which are relevant to the occupation which the student has chosen as a career goal; and a site supervisor with a working knowledge of the selected occupation. The workstation may be in an industry setting or in a virtual learning environment. The student **must be compensated** for work performed.

⚙️ **GOLD SEAL PROGRAM**

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8300100/VSI	DIVERSIFIED DIRECTED STUDY		Career Prep
	Offered:	Grade 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Completion of a Diversified Education Career Prep Program	
Type of Credit:	Elective		

The purpose of this course is to provide students with learning opportunities in a prescribed program of study that will enhance opportunities for employment in the career field chosen by the student. This course may be taken only by a student who has completed the *Diversified Career Technology* career preparatory program and is interested in continued study in this career cluster. The content is prescribed by the instructor based upon the individual student's assessed needs for directed study. The selected standards and benchmarks, which the student must master to earn credit, must be outlined in an instructional plan developed by the instructor. A learning laboratory is provided as required to support the educational activities of the student. This laboratory may be in the traditional classroom, in an industry setting, or a virtual learning environment.

8300430/VSH	GUIDED WORKPLACE LEARNING		Career Prep
	Offered:	Grade 10, 11, 12	
	Credit:	Multiple	
	Length:	Year	
	Prerequisite:	Enrollment in or Completion of a Career & Technical Education Career	
Type of Credit:	Prep Program Elective		

The purpose of this course is to provide students with the opportunity to gain practical, first-hand knowledge in broad occupational clusters or industry sectors through a structured internship experience. This internship is designed to give students an opportunity to integrate occupational and applied academic learning and to apply knowledge and skills learned in a classroom to actual work situations not generally available through paid employment. To enroll in the internship, a student must be currently enrolled in or has completed a career course/program. Students will be allowed a maximum of 450 total hours at the workplace-learning site, regardless of the number of credits earned.

8300310/VSG	WORKPLACE ESSENTIALS		Career Prep
	Offered:	Grade 9, 10, 11, 12	
	Credit:	.50	
	Length:	Semester	
	Prerequisite:	None	
Type of Credit:	Elective		

This course offers coherent and rigorous content aligned with challenging academic standards and relevant technical knowledge and skills needed to prepare for further education and careers in Diversified Education; provides technical skill proficiency, and includes competency-based applied learning that contributes to the academic knowledge, higher-order reasoning and problem-solving skills, work attitudes, general employability skills, technical skills, and occupation-specific skills, and knowledge of all aspects of the Diversified Education career cluster. This program offers a broad foundation of knowledge and skills to prepare students for employment in network support services positions.

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EXECUTIVE INTERNSHIP

Course Number	Course Name
0500300/CXA	Executive Internship 1
0500310/CUB	Executive Internship 2

0500300/CXA	*EXECUTIVE INTERNSHIP 1	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Career Academy Director Recommendation
Type of Credit:	Elective	

The purpose of this course is to broaden classroom academy learning by providing a community/business internship in a career area related to the academy program of study. Students will apply career academy knowledge and skills in unpredictable, real-world situations; use high literacy (reading and writing), mathematics and science skills; gain a deep understanding of factual knowledge; draw from interpersonal and social skills; and develop cognitive processes to solve problems.

0500300/CXA	*EXECUTIVE INTERNSHIP 2	
	Offered:	Grade 11, 12
	Credit:	1.0
	Length:	Year
	Prerequisite:	Executive Internship 1/Career Academy Director Recommendation
Type of Credit:	Elective	

The purpose of this course is to broaden classroom academy learning by providing a **second** community/business internship in a career area related to the academy program of study. Students will apply career academy knowledge and skills in unpredictable, real-world situations; use high literacy (reading and writing), mathematics and science skills; gain a deep understanding of factual knowledge; draw from interpersonal and social skills; and develop cognitive processes to solve problems.

****Career academies that do NOT have an internship course tied to the Career and Technical Education (CTE) program may use these courses. All other career academies must use the CTE program's internship course. Please contact Kristin Pierse, x20642 if you have any questions.***

⚙️ GOLD SEAL PROGRAM

◆ Lead directly to science, technology, engineering, and mathematics (STEM) occupations as identified through national and State research and labor market information.

APPENDIX

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2017-2018
WEIGHTED COURSES

All honors courses, as designated by the Department of Education Course Code Directory, are weighted and receive an additional .5 quality point value (Q.P.V.).

The following list of Volusia County courses are also weighted with an additional .5 Q.P.V.:

0102320	Ceramic/Pottery 3 Honors	2000360	Anatomy and Physiology Honors
0109310	Port Dev: Drawing Honors	2000440	Genetics Honors
0109320	Port. Dev: Two-Dimensional Design Honors	2001320	Earth Space Science Honors
0109330	Port. Dev: Three-Dimensional Design Honors	2002510	Marine Science 1 Honors
0300330	Dance Techniques 3 Honors	2002530	Marine Science 2 Honors
0300334	Dance Techniques 4 Honors	2003350	Chemistry 1 Honors
0300390	Dance Choreography 2 Honors	2003360	Chemistry 2 Honors
0400330	Theatre 3 Honors	2003390	Physics 1 Honors
0400340	Theatre 4 Honors	2003410	Physics 2 Honors
0400440	Technical Theatre Design & Production 4 Honors	2020910	Astronomy Solar/Galactic Honors
0701340	French 3 Honors	2100320	US History Honors
0701350	French 4 Honors	2102345	Economics with Financial Literacy Honors
0701360	French 5 Honors	2106320	US Govt. Honors
0701370	French 6 Honors	2109320	World History Honors
0702340	German 3 Honors	8106510H	Plant Biotechnology 3
0702350	German 4 Honors	8106830H	Agritechnology 2 Honors
0705340	Italian 3 Honors	8111550H	Veterinary Assisting 3 Honors
0705350	Italian 4 Honors	8111520H	Veterinary Assisting 4 Honors
0705360	Italian 5 Honors	8111530H	Veterinary Assisting 5 Honors
0706320	Latin 3 Honors	8113010H	Environmental Resources 3 Honors
0706330	Latin 4 Honors	8113020H	Environmental Resources 4 Honors
0707320	Russian 3 Honors	8117020H	Ag Communications 3 Honors
0708360	Spanish 3 Honors	8121520H	Horticultural Science 3 Honors
0708370	Spanish 4 Honors	8121610H	Horticultural Science/Services 4 Honors
0709320	Spanish For Spanish-Speakers 3 Honors	8121620H	Horticulture Science/Services 5 Honors
0711320	Chinese 3 Honors	8121630H	Horticulture Science/Services 6 Honors
0712320	Japanese 3 Honors	8206030H	Business Computer Programming 3 Honors
0800360	Health Explorations Honors	8206040H	Business Computer Programming 4 Honors
1001320	English Honors 1	8206050H	Business Computer Programming 5 Honors
1001350	English Honors 2	8206060H	Business Computer Programming 6 Honors
1001380	English Honors 3	8206070H	Business Computer Programming 7 Honors
1001410	English Honors 4	8207030H	Networking 2 Infrastructure Honors
1009331	Creative Writing 3 Honors	8207040H	Networking 3 Infrastructure Honors
1200320	Algebra 1 Honors	8207050H	Networking 4 Infrastructure Honors
1200340	Algebra 2 Honors	8207060H	Networking 5 Infrastructure Honors
1201315	Analysis of Functions Honors	8207070H	Networking 6 Infrastructure Honors
1202340	Pre-Calculus Honors	8207130H	Web Design 3 Honors
1206320	Geometry Honors	8207140H	Web Design 4 Honors
1210300	Probability & Statistics with Applications Honors	8207150H	Web Design 5 Honors
1211300	Trigonometry Honors	8207160H	Web Design 6 Honors
1302340	Band 5 Honors	8208130H	Game & Simulation 2D Graphic Dev. Honors
1302350	Band 6 Honors	8208140H	Game & Simulation 3D Graphic Animation Honors
1302400	Orchestra 5 Honors	8208330H	Game & Simulation Programming Honors
1302410	Orchestra 6 Honors	8208340H	Multi-User Game & Simulation Programming Honors
1302490	Instrumental Ensemble 4 Honors	8209530H	Digital Design 3 Honors
1302530	Jazz Ensemble 4 Honors	8209540H	Digital Design 4 Honors
1303340	Chorus 5 Honors	8209550H	Digital Design 5 Honors
1303350	Chorus 6 Honors	8209560H	Digital Design 6 Honors
1303470	Vocal Ensemble 4 Honors	8209570H	Digital Design 7 Honors
1800320H	Aerospace Science 3 Honors	8212440H	Multimedia Foundations 2 Honors
1800330H	Aerospace Science 4: Leadership Development Honors	8212450H	Multimedia Foundations 3 Honors
1801320H	Leadership Education and Training 3 Honors	8401030H	Technical Design 3 Honors
1801330H	Leadership Education and Training 4 Honors	8401130H	Applied Engineering Technology 3 Honors
2000320	Biology 1 Honors	8405130H	Early Childhood Education 3 Honors
2000330	Biology 2 Honors	8405140H	Early Childhood Education 4 Honors

<p>2017-2018 WEIGHTED COURSES</p>

8417110H	Health Science 2 Honors
8417131H	Allied Health 3 Honors
8417171H	First Responder 3 Honors
8600520H	Principles of Engineering (PLTW) Honors
8600530H	Digital Electronics Honors
8600550H	Introduction to Engineering Design (PLTW) Honors
8600560H	Computer Integrated Manufacturing Honors
8600590H	Civil Engineering & Architecture Honors
8600620H	Aerospace Engineering Honors
8600650H	Engineering Design & Development Honors
8600830H	Drafting/Illustrative Design Technology 3 Honors
8601030H	Communications Technology 3 Honors
8601740H	Production Technology 3 Honors
8601770H	Engineering Technology 3 Honors
8601780H	Aerospace Technologies 3 Honors
8601900H	Advanced Technology Applications Honors
8720330H	Building Construction 3 Honors
8720340H	Building Construction 4 Honors
8720350H	Building Construction 5 Honors
8720360H	Building Construction 6 Honors
8720370H	Building Construction 7 Honors
8722130H	Carpentry & Cabinetmaking 3 Honors
8722140H	Carpentry 4 Honors
8722150H	Carpentry 5 Honors
8722160H	Carpentry 6 Honors
8732130H	Computer Systems Technology 3 Honors
8772130H	Television Production 3 Honors
8772140H	Television Production 4 Honors
8772150H	Television Production 5 Honors
8772160H	Television Production 6 Honors
8772430H	Digital Video Production 3 Honors
8772440H	Digital Video Production 4 Honors
8800530H	Culinary Arts 3 Honors
8800540H	Culinary Arts 4 Honors
8806030H	Fashion Marketing Management Honors
8815110H	Financial Operations Honors
8815120H	Financial Planning Honors
8815130H	Financial Internship Honors
8827130H	Marketing Management Honors
8827430H	Sport/Rec./Entertain. Marketing Management Honors
8909030H	Teaching Assisting 3 Honors
8909040H	Teaching Assisting 4 Honors
8918030H	Criminal Justice Operations 3 Honors
8918040H	Criminal Justice Operations 4 Honors
9001230H	CSIT Network Systems Configuration Honors
9410130H	Robotic Systems Honors
9410140H	Robotic Applications Capstone Honors

Beginning with students who entered the **ninth grade in 2006-2007**, all Dual Enrollment courses will receive the same 1.0 weighting as Advanced Placement and International Baccalaureate courses.

Florida Department of Education Resources

Resources

Florida students entering grade nine may choose from one of four options to earn a standard diploma. They are:

- 🕒 A four-year, 24-credit program
- 🕒 An International Baccalaureate (IB) curriculum
- 🕒 An Advanced International Certificate of Education (AICE) curriculum
- 🕒 A three-year, 18-credit ACCEL Diploma

Florida's state graduation requirements, by cohort group, are outlined in the graduation charts found on the documents below:

Class of 2016: <http://www.fldoe.org/core/fileparse.php/7764/urlt/seniorflyer.pdf>

Class of 2017: <http://www.fldoe.org/core/fileparse.php/7764/urlt/juniorflyer.pdf>

Class of 2018: <http://www.fldoe.org/core/fileparse.php/7764/urlt/sophmoreflyer.pdf>

Class of 2019: <http://www.fldoe.org/core/fileparse.php/7764/urlt/freshmenflyer.pdf>

Information related to statewide assessment requirements is available in [Graduation Requirements for Florida's Statewide Assessments](#) (PDF).

The individual educational plan (IEP) team makes the diploma decisions for students with disabilities who are eligible for exceptional student education (ESE). IEP teams should consider diploma options according to the student's needs and abilities:

Information related to the transition of a student with disabilities from school to adult life are available in [Transition Planning for Students with Disabilities: a Guide for Families](#).

Economic Security Report

This report, the result of a partnership between the State of Florida and College Measures, focuses on the median first-year earnings of recent graduates/completers from two-year and four-year institutions across Florida as well as District Technical Centers.

🕒 [Summary of the Economic Security Report](#)

This 2-page summary of the Economic Security Report of Employment and Earnings Outcomes of Florida's Graduates from Public Postsecondary Educational Institutions provides a snapshot of the type of information available on the website, www.beyondeducation.org and in the full report.

🕒 [Key Facts about Education Outcomes In Florida](#) This website aims to provide parents and students with postsecondary school information that will help them to make informed education and career choices.

**PROCESS FOR
ADDING A NEW COURSE**

The courses listed in the district program of studies are available for use in all of our schools. If a school wishes to use a course that is in the state course code directory, but not in the district program of studies, the following process should be followed:

- School completes the Request for Course Activation form and sends to the Instructional Materials Specialist
- Upon their approval, the Instructional Materials Specialist will send the request to the appropriate curriculum specialist.
- Upon the approval of the Instructional Materials Specialist and the appropriate curriculum specialist the request will be forwarded to the Executive Director of Curriculum.
- Director notifies the school and activates the course

If the school wishes to use a course that is in the district program of studies, but has not been offered at their school in the past, the following process should be followed:

- School completes the Request for Instructional Materials form and sends to the Instructional Materials Specialist, with a cc to the appropriate curriculum specialist
- Upon approval the Instructional Materials Specialist will send the form to the Executive Director of K-12 Curriculum
- Director notifies the school

VOLUSIA COUNTY SCHOOLS

REQUEST FOR COURSE ACTIVATION

INSTRUCTIONAL MATERIALS NEEDED TO ADD A NEW COURSE

Date: _____ School: _____

Requested by: _____ Ext. _____

Principal's Signature: _____

State Course #	Course Title	Grade Level (s)	Credit/Max Credit	# of Sessions	# of Mods	GPA Course Weight

Course Pre-Requisite (if any): _____

Reason Course is Needed: _____

Plan to offer during term (s): _____

Course Description (to be used in *District Program of Studies*): _____

End of Course Exam will be completed by whom and by what time? _____

Have you considered Instructional Materials? Yes – No Explanation: _____

Do you foresee issues related to the purchase of Instructional Materials? Yes – No Explanation: _____

INSTRUCTIONAL MATERIALS NEEDED:	
TITLE:	
PUBLISHER:	
ISBN:	
COST:	
NUMBER NEEDED:	
TEACHER (if known)	
FUND SOURCE (if known)	

Approved by: _____ Date: _____ Approved by: _____ Date: _____
 Curriculum Specialist Executive Director

Approved by: _____ Date: _____ Approved by: _____ Date: _____
 Instructional Materials Specialist Coordinator of Student and Government Relations