



ROSWELL HIGH SCHOOL

*Achieving Excellence,
Honoring Traditions, and
Building Community*

Course Catalog

Including Registration Guide

2024 – 2025

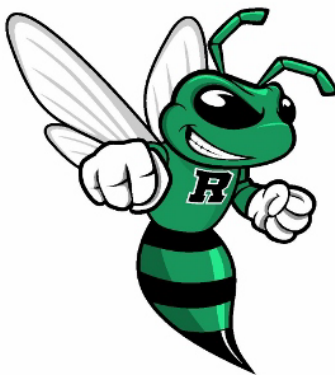


Table of Contents

Letter from Ms. Miley	3
Registration Timeline / Counseling Department Contacts	4
Graduation Requirements	5
Placement Recommendations for Rising 9 th Graders	6-10
AP Capstone	11
Virtual Instruction at RHS	12
Career Pathways offered at RHS	13
3DE Leadership Academy Magnet	15
<u>Course Catalog</u>	
Art	16 - 20
Career and Technical Education (CTAE)	21 - 31
English	32 - 34
ESOL	35 - 37
Mathematics	38 - 41
Non-Departmental Courses	42
Performing Arts	43 - 45
Physical Education	46
Science	47 - 49
Social Studies	50 – 52
Talented and Gifted (TAG)	53
World Languages	54 – 55

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Welcome to the registration process for the 2024-2025 school year!

The purpose of the Course Registration Guide is to provide parents and students with adequate time to make well thought-out and informed decisions about the courses you will take next year. Some things to consider include:

- How do the course requests align with your goals?
- If you are college bound, do the courses show an attempt at a high level of rigor? Many college-bound students mistake taking on-level classes to boost their GPA while overlooking that college recruiters want to see that students have challenged themselves with Advanced Placement or Honors courses.
- At the same time, does it look like you may be overextended? Please also consider work requirements and extracurricular activities you may participate in next year.
- We make every effort to build a master schedule that accommodates all students' requests, and we build our schedule around the course requests you submit now. While we try to accommodate schedule changes and have a process, there is no guarantee that you can change classes in the fall.
- To maximize staffing allocations, there must be adequate demand for a course taught during a given school year. We attempt to honor the alternate course request in instances where course demand is inadequate.
- Our counseling staff is available to answer questions and provide additional guidance on selecting the appropriate curriculum path. Please send registration questions directly to your counselor between February 6th and March 30th. We look forward to serving you and to another great school year.

**Educationally Yours,
LaToya Miley, Ed.S**

2024-2025 Registration Timeline

January 11th, 2024

Rising 9th High School Showcase – 6:30 p.m. at Roswell

Rising 9th grade parents and students, and prospective families are invited to meet Principal Miley, hear a presentation from student services, explore an Electives Showcase, and submit questions.

January 22 – February 2

Rising 9th Core Subject Recommendations

8th grade English, mathematics, social studies, science, world language, and select elective teachers will make placement recommendations for their current students online through Infinite Campus.

January 22 – February 2

RHS Core Subject Recommendations

English, mathematics, social studies, science, world language, and select elective teachers will make placement recommendations for their current students online through Infinite Campus.

Recommendations will be locked after February 2nd.

February 5 – February 23

Selection of Electives; 1st Verification of Core Classes

Current RHS Students will meet with their counselors during their ELA class to verify teacher recommendation of core classes and to select their elective classes. **Rising 9th graders will select their electives using the Microsoft Form.**

March 4 - March 8

Selection of Elective Alternates 2nd Verification via Microsoft Form

RHS students will receive registration instructions during advisement on how to select alternate electives and to request edits to core and elective classes using a Microsoft Form on the RHS website. **Rising 9th graders will receive their information via e-mail.**

March 25 - March 29

3rd Verification via Microsoft Form

This will be the final opportunity for students to make changes to their course requests until the beginning of the school year. Students will have the opportunity to verify and request edits to core and elective classes using the Microsoft Form on the RHS website. This form should include any changes the student would like to make to his/her request before the final schedule is created.

AP/Honors/Dual Enrollment/TAG Information

Parents of students interested in taking an AP or honors course can find information, course requirements, and videos about AP courses on the RHS website. Information for the TAG program will be posted. Dual Enrollment requirements and material will also be available on the RHS website.

<i>Student Last Name</i>	<i>Counselor</i>	<i>Counselor Email</i>
A – Com	Mr. Glover	Gloverd@fultonschools.org
Con - Gov	Ms. Bissett	Bissett@fultonschools.org
Gow – Lj	TBD	
Lk– Perq	Ms. Wyche	Wychey@fultonschools.org
Perr – Sh	Ms. Mukenge	MukengeM@fultonschools.org
Si – Z	Ms. Miner	Miner@fultonschools.org

Graduation Requirements

Language Arts	4 units
9 th Grade Lit and Composition	1
11 th Grade American Lit/Comp <u>OR</u> AP Language & Composition	1
10 th Grade Lit/Comp <u>AND/OR</u>	2
12 th Grade Lit/Comp	
Multicultural Lit <u>OR</u> English (British) Lit <u>OR</u> Dramatic Writing	
<u>OR</u> Advanced Comp <u>OR</u> AP Literature & Composition	
Mathematics	4 units
GSE Algebra I	1
GSE Geometry or Geometry Concepts and Connections	1
GSE Algebra II or Advanced Algebra Concepts and Connections	1
4 th year math course	1
GSE Pre-Calculus <u>OR</u> Advanced Math Decision Making <u>OR</u>	
AP Calculus <u>OR</u> AP Statistics (w/Pre-Calculus completion)	
Science	4 units
Biology	1
Physics, Physical Science (or previously earned credit for Physical Science)	1
Chemistry, Environmental Science, Earth Systems, or an AP Science class	1
Additional Science course	1
Social Studies	3 units
World History	1
U.S. History	1
American Government	0.5
Economics	0.5
Health and Physical Education	1 unit
General Health	0.5
Personal Fitness	0.5
Fine Arts/Career Tech/World Language**	3 units
**Students can take any combination of courses from the 3 areas listed above.	
The University System of Georgia and many other post-secondary institutions require a minimum of two units of the same World Language.	
Electives	4 units
Total required	23 units

Placement Recommendations for Entering 9th Grade Students

ENGLISH/LANGUAGE ARTS

Most ninth-grade students will take on-level 9th Literature and Composition or 9th Lit/Comp Honors. Students who completed 9th Lit/Comp Honors in middle school can accept the course credit and take 10th Lit/Comp Honors as freshmen or re-take 9th Lit/Comp Honors at the high school level.

9th Grade Lit/Comp Honors is an accelerated, college preparatory course aligned with Advanced Placement objectives at the 11th and 12th-grade levels. Typically, students who score in the 86th percentile and above in reading and have the recommendation of their 8th-grade Language Arts teacher perform well in 9th Lit Honors.

Honors English students grasp the story between the lines of the plot. Analyzing subtext and applying the principles of literary devices to a writer's style are essential abilities for these students. Having an appreciation for, if not a love of, reading is a definite advantage.

Students who regularly read independently outside school are the best candidates for the Honors English program. A key to their success is an eager desire to discover their intellectual voice. Students work on more than one task at a time:

- Reading stories for daily discussion
- Reading a novel for future discussion
- Writing an academic, analytical paper for assessment of previous reading

They combine these overlapping projects with weekly vocabulary and grammar instruction. Honors English students should be eager to work hard and reasonably independently. They should be curious about literature and writing. They should be able to discuss and support ideas, manage their time and materials, and build upon a solid base in vocabulary, grammar, and writing.

Compositions typically consist of three to five typed pages. Students write these papers independently, outside of class, and the final product should reflect mature thought, correct grammar, and developed style. Most papers are literary analyses; this course is not creative writing.

Students write a four- to five-page investigative research paper using at least four sources. On-level 9th Lit/Comp is a college preparatory course. Since 90% of RHS graduating seniors attend two- or four-year post-secondary schools, the English department is committed to meeting the community's needs by preparing regular English students for college. These students attend and are successful at various colleges and universities nationwide. They report that they are well prepared for the rigors of a college English course. Their college instructors often comment on their preparation and strengths.

Departmental standards of cumulative vocabulary and grammar quizzes, higher-level questions and essays on unit assessments, and consistent composition expectations provide productive vertical movement from ninth to twelfth grade. Teachers of team-taught regular English classes hold students to the same standards as those to which students of other English classes are held. All courses are college preparatory.

Instruction in on-level 9th Lit/Comp tends to be more linear. For example, students read a novel outside of class for classroom discussion. They have reading check quizzes over the homework before class discussion. The novel unit usually concludes with a major assessment or a major composition. Once the novel unit is finished, the teacher introduces another unit that might include a selection of short stories, a collection of poems, or a specific type of composition.

Vocabulary and grammar are part of each unit—teachers gear instruction toward introducing and guiding students' skill development. Following assessments, teachers might re-teach objectives that students have not mastered. Classroom instruction provides practice and opportunities for re-teaching and review. Students whose work ethic and performance indicate academic misplacement can move to an honors English class for the next school year.

SOCIAL STUDIES

Most 9th graders will not take Social Studies. The exception will be those 9th graders taking AP Human Geography. See the course catalog for a description of the pre-requisite guidelines for this course.

WORLD LANGUAGES

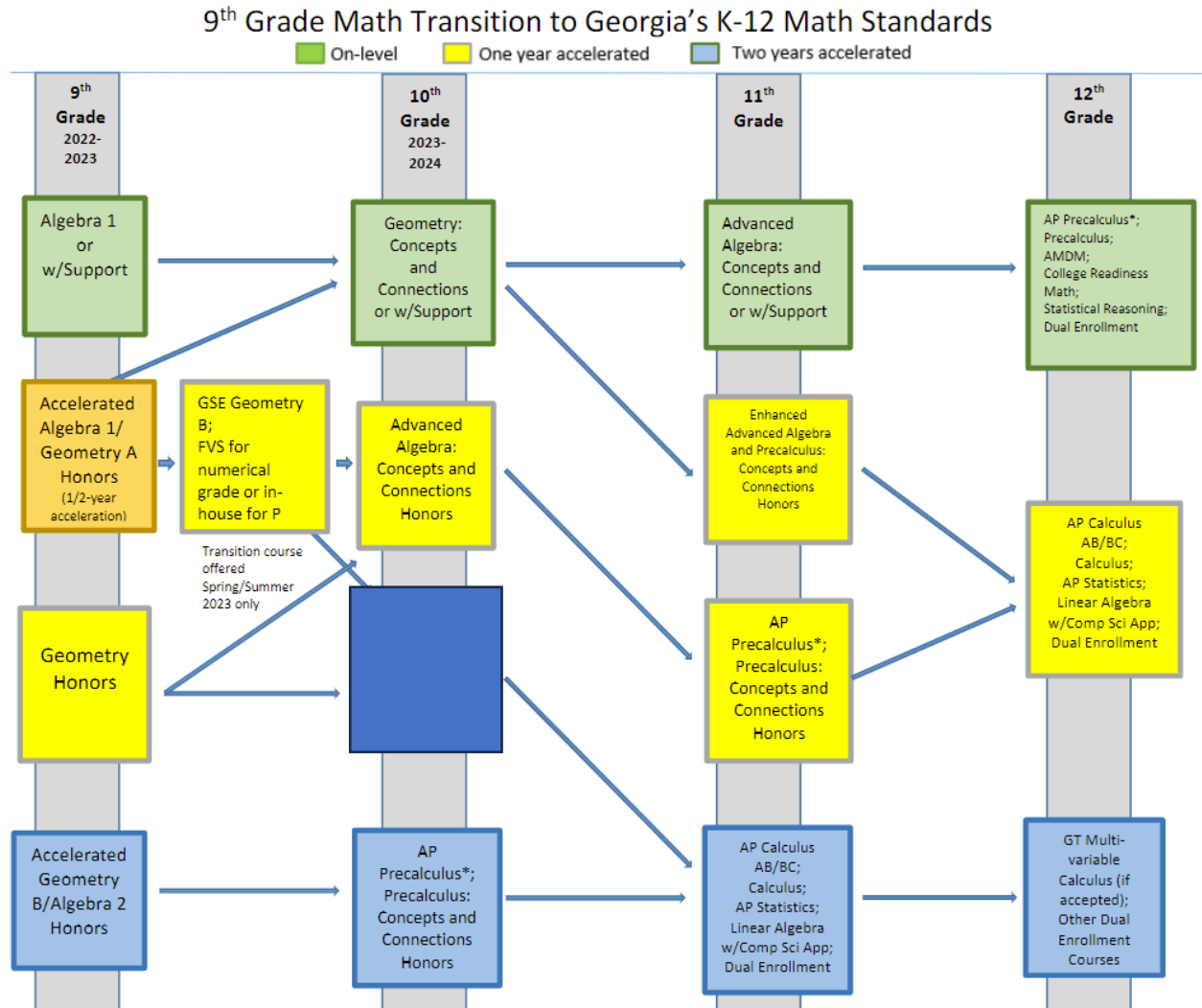
The honors world language student is highly motivated to continue studying beyond the third-year course. The level II honors courses are in-depth studies of all level II topics. The honors courses move at an accelerated pace, utilizing higher-level thinking skills. They emphasize oral production and are conducted almost exclusively in the target language. Strong emphasis is given to the continued development of reading, writing, and listening comprehension skills. There are additional reading selections specific to level II honors courses.

Excellent study skills are a must for success. Teachers recommend students for honors level based on a combination of factors, including class performance (90+ average), motivation/interest, and work ethic.

Placement Recommendations for Entering 9th Grade Students

MATHEMATICS

Ninth grade students may follow one of several paths in mathematics. Refer to the chart below for the most common possible pathways for incoming 9th grade students.



**This chart captures the general matriculation pathways in FCS and may not include other possible combinations of courses.*

**Course offerings are contingent on demands.*

Placement Recommendations for Entering 9th Grade Students

SCIENCE

The placement options most common for incoming 9th graders are Biology or Biology Honors. However, the Earth Systems option is in place for those students who would benefit from more support in science.

The honors biology class is designed to explore biology at a more advanced level than on-level biology. Students will participate in rigorous laboratory activities requiring them to develop higher-order reasoning abilities. The book is used only to supply the students with a knowledge base that the teacher supplements with the latest research and conceptual knowledge. Students must be able to read and comprehend information in the text and then apply what they have learned in class.

The honors class moves faster than on-level biology as it covers more material within each unit. While there is some written homework in honors biology, students are responsible for studying and reading outside the classroom. Excellent study skills are a must for success. The honors students must be motivated and eager to learn.

In addition, students will complete a biology research unit. This unit will include a literature review on a biology topic that might lead to a science fair project. Participation in the science fair is optional but encouraged – especially for students interested in the Governor's Honors Program.

Although honors biology is more rigorous than on-level biology, the science department feels confident that either course prepares the students to succeed in college. Students interested in pursuing a science-related career should consider taking honors-level science courses.

Refer to the chart on the next page for the most common possible pathways for incoming 9th-grade students.

8 th	9 th	10 th	11 th	12 th
Sci/ Phys World	Earth Systems for 9 th graders (by teacher recommendation)	Physical Science	Biology	Environmental Science <u>or</u> Forensic Science <u>or</u> Human Anatomy <u>or</u> Anatomy
Sci/ Phys World	Biology (Team taught or low math)	Physical Science	Earth Systems or Environmental Science	Environmental <u>or</u> Chemistry, Forensics <u>or</u> Astronomy <u>or</u> Human Anatomy
Sci/ Phys World	Biology	Physical Science	Chemistry <u>or</u> Physics Earth Systems <u>or</u> Environmental Science <u>or</u> Human Anatomy <u>or</u> Forensic Science <u>or</u> Astronomy	Physics <u>or</u> Physical Science Earth Systems <u>or</u> Environmental Science <u>or</u> Human Anatomy <u>or</u> Forensic Science <u>or</u> Astronomy <u>or</u> AP Environmental
Sci/ Phys World Physical Science for HS credit	Biology <u>or</u> Biology Honors	Chemistry <u>or</u> Chemistry Honors	Physics <u>or</u> AP Physics [1,2, or C] <u>or</u> AP Chemistry <u>or</u> AP Biology AP Environmental <u>or</u> AP Computer Science Principles <u>or</u> AP Computer Science A <u>or</u> Environmental Science <u>or</u> Earth Systems <u>or</u> Human Anatomy (on- level/honors) <u>or</u> Forensic Science <u>or</u> Astronomy	AP Physics [1 or C] <u>or</u> AP Chemistry <u>or</u> AP Biology <u>or</u> AP Environmental <u>or</u> Ap Computer Science Principles <u>or</u> AP Computer Science A <u>or</u> Environmental Science <u>or</u> Earth Systems <u>or</u> Human Anatomy (on- level/honors) <u>or</u> Forensic Science <u>or</u> Astronomy

AP Capstone Program
Description and Pre-registration Information
Roswell High School

AP Seminar is the first of two courses in the **AP Capstone™** program. **AP Research** is the second course. If a student earns scores of 3 or higher in AP Seminar and AP Research and on four additional AP exams of his choosing, he will receive the **AP Capstone Diploma™**. It signifies outstanding academic achievement and attainment of college-level educational and research skills. Alternatively, if a student earns scores of 3 or higher in AP Seminar and AP Research only, he will receive the AP Seminar and Research Certificate™. The College Board approved Roswell High School to launch this program in the 2020-2021 school year.

The first course leading to the **AP Capstone Diploma** is **the AP Seminar**. The course engages students in cross-curricular conversations in which they 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 perspectives in research-based written essays, and design and deliver oral and visual presentations individually and as a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information accurately and precisely to craft and communicate evidence-based arguments.

The second course leading to the **AP Capstone Diploma** is **AP Research**. This course allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a year-long investigation to address a research question. Through this inquiry, they further the skills 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 an oral defense.

Roswell High School currently offers the **AP Seminar** and the **AP Research** courses. These are courses taught by TAG teachers but are not limited to TAG students. If you have any questions about these courses or the **AP Capstone Diploma**, don't hesitate to contact Laura Kouns, TAG Department Chair (kouns@fultonschools.org).

Virtual Learning at RHS

Georgia Virtual

GA Virtual School is a program of the Georgia Department of Education's Office of Technology Services. The program is Cognia™ accredited and partners with schools and parents to offer middle and high-school-level courses across the state. Georgia Virtual School provides a teacher-led, virtual classroom environment. Georgia Virtual School also equips students with an online media and guidance center to support them throughout their online course experience.

Georgia Virtual School has over 100 course offerings in the core content areas, world languages, CTAE, electives, and a vast AP course selection.

Fulton Virtual

Fulton Virtual provides competency-based, personalized learning options for students throughout the district. We offer middle and high school core courses and several electives to Fulton students in grades 6 -12. Elementary students taking middle school courses may also take them through Fulton Virtual. The FVS online program provides students aiming to accelerate or recover credit with flexible options.

Students can take UP TO 3 of their courses ONLINE through Georgia Virtual (GAVS) or Fulton Virtual (FVS).
Students taking online must take their courses at HOME and transportation to/from school is NOT provided. Parking is NOT guaranteed because you elect to take an online course.
Online course(s) must be placed in 1 st or 6 th period but can grouped together at the beginning or end of a student's schedule (ex. 1 st -3 rd or 4 th -6 th).
Online course(s) may impact the opportunity for students to take other scheduled courses due to scheduling limitations.
Once students have been scheduled for an online course as of the March 10 th deadline, students will be held to that decision. Any exceptions MUST be administratively approved.

Action Steps:

1. **Indicate your interest of taking an online course(s) on the Course Verification Form (2/5-2/23 or 3/4-3/29)**
2. **Complete the [Online Course Contract](#) and submit it to your counselor by 4PM, 3/29/2024.**
3. **Register the courses for both semesters on the appropriate virtual school website before summer break once counselor approval is received.**

Roswell High School Pathways

Advanced Academic – should include (4) distinct HS course codes in the discipline with at least one AP or post-secondary course code *AND* (2) sequential courses in a world language.

Mathematics
ELA
Science
Social Studies

Fine Arts –

- MIP/MVP: should include (3) distinct HS course codes in instrumental/vocal music and/or AP Music Theory with at least one course at level 2 or higher.
- TAP: should include (3) distinct HS course codes in theatre arts with at least one course at level 2 or higher
- V2DP: should include (3) distinct HS course codes in Draw/Paint, Photo, Graphics and/or AP Drawing and/or AP 2D Design with at least one course at level 2 or higher.
- V3DP: should include (3) distinct HS course codes in Ceramics, Sculpture, Jewelry and/or AP Drawing and/or AP 3D Design with at least one course at level 2 or higher.

Music Performance Instrumental
Music Performance Vocal
Theatre Arts
Visual Arts 2D
Visual Arts 3D

Journalism – should include a minimum of (3) distinct HS course codes in the publication and/or Photo I-III and/or Graphics I-IV with at least one course at level 2 or higher.

Journalism Newspaper
Journalism Annual
Journalism Literary Magazine

World Languages – should include (3) distinct HS course codes *OR* (2) distinct HS course codes plus AP

French
German
Japanese
Spanish



3DE Leadership Academy Magnet at Roswell

You must apply through Fulton County's Magnet application by January 16th found [HERE](#) to enroll. The link will also provide more detailed information, pictures, and video. ***3DE Enrollment and selection of the 3DE Required Elective Pathway Choice of Marketing or Computer Science will be on a "first-come, first-served" basis, with a criterion of proximity to Roswell High School as a determining factor for waitlisting.***

You will hear about acceptance in mid-February. Your counselor will then help build your schedule to participate in as many 3DE courses as possible based on course recommendations per student. For example, if you are a 9th grader taking Honors Geometry, you will take that course outside 3DE.

3DE Required Electives: Marketing Pathway	
9th Grade	Marketing Principles
10th Grade	Entrepreneurship
11th Grade	Marketing Management *Pathway Completion
12th Grade	Senior Consultancy

What does a Marketing Enhanced by 3DE Magnet schedule look like?

All Marketing students at Roswell High School will be 3DE students "launching" their 3DE experience in a required elective in the Marketing Pathway, completing the Pathway by 11th grade. Core content classes – ELA, Math, Science, Social Studies, and other electives will be scheduled like any RHS student. RHS counselors will place 3DE students in 3DE classrooms with 3DE-trained teachers, when possible, based on each student's academic needs.

For additional questions, contact 3DE Leadership Academy Director, Lisa Marie Scalese: LisaMarie.Scalese@3DESchools.org

Course Catalog

FINE ARTS					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Introduction to Art (prerequisite for ALL other art courses)	50.0211001	0.5	9-12	None	This semester-long introductory course establishes a standard and consistent foundation in visual art and is a prerequisite for all other art courses. Students get introduced to all aspects of visual art, including art such as personal communication, drawing, sculpture, ceramics, design, aesthetics, careers, art criticism, and art history. This course is a prerequisite to all other art classes.
Ceramics 1	50.0411001	0.5	9-12	Introduction to Art	Ceramics 1 is an introductory course in ceramics covering the three basic methods of hand-building. Students will produce ceramic artwork using pinch, slab, and coil techniques. Students will learn the basic vocabulary of ceramics and forms of surface treatment, firing, and other related aspects. Ceramic history, aesthetics, and art criticism are incorporated throughout the course.
Ceramics 2	50.0412001	0.5	9-12	Ceramics 1	Ceramics 2 provides in-depth work with clay beyond that of Ceramics 1. Students will further their technical ability in hand building, surface decoration, and wheel-thrown ceramics. Glaze chemistry is addressed with an emphasis on how a glaze works and how to alter results. Alternative firing techniques will introduce students to various surface effects and firing atmospheres. Students will work more conceptually to develop their ideas, style, and artistic voice. Students will continue to investigate ceramics from around the world and throughout time.
Ceramics 3*	50.0413001	0.5	10-12	Ceramics 2	Ceramics 3 is an advanced course providing in-depth work with clay. Students will further their technical ability in hand building, surface decoration, and wheel-thrown ceramics. Glaze chemistry is addressed with an emphasis on how a glaze works and how to alter results. Alternative firing techniques will introduce students to various surface effects and firing atmospheres. Students will work more conceptually to develop their ideas, style,

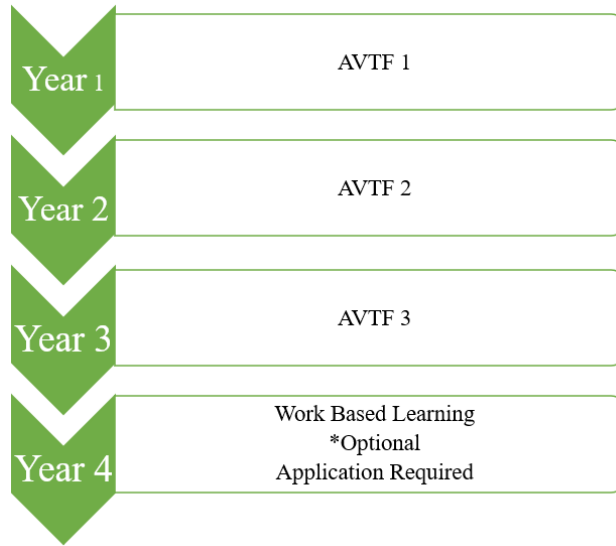
Ceramics 4* <i>*pre AP</i>	50.0414001	0.5	10-12	Ceramics 3	and artistic voice while developing a portfolio. Ceramics 4 provides in-depth work with clay. Students will work more conceptually to develop their ideas, style, and artistic voice while developing a portfolio.
Graphics 1	50.0721001	0.5	9-12	Introduction to Art	Graphics 1 explores the creation of digital imagery using Adobe Illustrator and Photoshop. Emphasis is placed on logo design, package design, advertising, typography, and other graphic design-related elements.
Graphics 2	50.0722001	0.5	9-12	Graphics 1	Graphics 2 extends the study Graphics 1.
Digital Design Project 1	50.0725001	0.5	9-12	Introduction to Art	Digital Design Project 1 teaches illustration as it applies to sequential art and 2D animation. Topics include the narrative arc, animation rules, character design, and anatomy for motion. Students will use a variety of Adobe software tools to create animation projects.
Adv Digital Design Project 2	50.0727001	0.5	9-12	Digital Design Project 1	Adv Digital Design Project 2 builds on level 1 skills. Students will create a portfolio that includes elements of illustration, 2D animation, 3D animation, as well as digital puppetry for rigging facial movements and voice-over commands to make 2D animated characters speak and move.
Drawing 1	50.0311001	0.5	9-12	Introduction to Art	Drawing 1 teaches students fundamental drawing skills and prepares them to transition to painting. Coursework builds on drawing skills introduced in Introduction to Art. Drawing approaches include contour, value to model form, gesture, perspective, and color; students work with drawing media such as pencil, charcoal, conte, and oil pastels. Art history, criticism, and aesthetics are incorporated into the studio production of drawings and paintings.
Drawing 2	50.0312001	0.5	9-12	Drawing 1	Drawing 2 continues to strengthen composition and drawing skills. The course includes studies in color sensitivity and various media and techniques. Drawing 2

					builds on skills learned in Drawing 1. It differs because the artworks produced are theme-based with a more conceptual approach. Students have more freedom to choose the subject matter of the work, which will challenge student creativity.
Painting 1	50.0321001	0.5	9-12	Drawing 1	Painting 1 establishes fundamental painting skills and strengthens composition and drawing skills. The course includes studies in color sensitivity and a wide range of water-based media and techniques. It is a course designed to introduce foundational painting concepts and techniques new to the student to prepare them for other 2-D courses that rely on drawing and painting skills.
Painting 2	50.0322001	0.5	10-12	Painting 1	Painting 2 course, students begin working on creating a unique artistic style and developing a portfolio. Students are free to generate ideas as subject matter for their artwork and use the skills learned in previous 2-D courses to inform their aesthetic decision-making.
Jewelry & Metalcrafts 1	50.0460001	0.5	9-12	Introduction to Art	Jewelry and Metalcrafts 1 introduces jewelry making as a historical and contemporary art form. Various media and tools are explored, such as fibers, leather, metal, and glass. The elements of art and design principles are used to analyze, design, create, and evaluate jewelry. The course combines aesthetics, art criticism, and art history with studio production of jewelry.
Jewelry & Metalcrafts 2	50.0462001	0.5	9-12	Jewelry 1	Jewelry 2 enhances Level 1 skills and emphasizes the origins and functions of jewelry while exploring and experimenting with non-traditional materials. Students will develop a voice by studying master artists and material choices.
Jewelry & Metalcrafts 3	50.0463001	0.5	10-12	Jewelry 2	Jewelry 3 and Jewelry 4 , students create a cohesive body of jewelry works, culminating in a final gallery showing.
Jewelry & Metalcrafts 4	50.0464001	0.5	10-12	Jewelry 3	
Photography 1	50.0711001	0.5	9-12	Introduction to Art	Photography 1 is an introduction to black-and-white photography and darkroom processing. Students are allowed to pace themselves and will create a photographic portfolio as they learn the technical and artistic aspects of photography. An introduction to digital photography will be

Photography 2	50.0712001	0.5	9-12	Photo 1	included. Photo history and critiques of photos will be addressed throughout the semester. Photography 2 builds on basic skills and darkroom techniques learned in Photography 1. Students hone skills in communicating meaning through photography. They learn to use a 35mm camera, develop and print images from black and white film, and refine darkroom and printing techniques. The course incorporates aesthetics, art criticism, art history, and a brief introduction to digital photography.
Photography 3*	50.0713001	0.5	10-12	Photo 2	Photography 3 and 4 hone skills in communicating meaning through photography. Students will work more conceptually to develop their ideas, style, and artistic voice while developing a portfolio.
Photography 4* <i>*pre AP</i>	50.0714001	0.5	10-12	Photo 3	
Sculpture 1	50.0611001	0.5	9-12	Introduction to Art	Sculpture 1 introduces students to the <i>production</i> of three-dimensional art making, including additive, subtractive, and modeling processes of sculptural construction. The course is designed to teach a variety of techniques in a variety of media, such as metal, paper, and wood.
Sculpture 2	50.0612001	0.5	9-12	Sculpture 1	Sculpture 2 offers an in-depth study of the <i>production</i> of three-dimensional art making, including additive, subtractive, casting, and modeling processes, while investigating a variety of media such as stone, metal, and wood. Students are expected to make connections as they explore <i>meaning</i> , develop <i>creative thinking</i> skills, and search for <i>contextual understanding</i> , resulting in authentic <i>assessment</i> and <i>reflection</i> .
Sculpture 3*	50.0613001	0.5	10-12	Sculpture 2	Sculpture 3 and 4 offer an in-depth study of the <i>production</i> of three-dimensional art making, including additive, subtractive, casting, and modeling processes, while investigating a variety of media. Students will work more conceptually to develop their ideas, style, and artistic voice while developing a portfolio.
Sculpture 4* <i>*pre AP</i>	50.0614001	0.5	10-12	Sculpture 3	

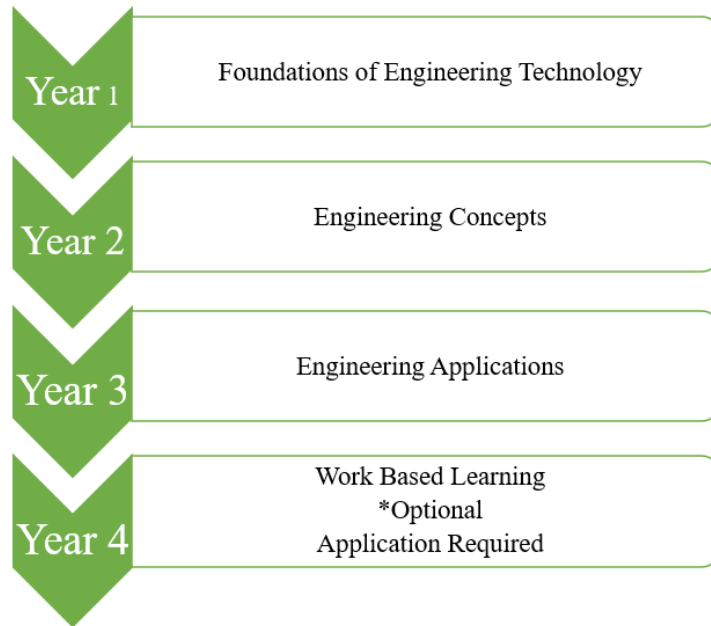
AP Drawing Portfolio	50.0811010	1.0	10-12	Requires Art Teacher Recommendation ONLY	The AP Studio Art Program consists of three portfolio exams — Drawing, 2-D Design, 2-D Design with an emphasis on photography, and 3-D Design. Drawing portfolios should focus on light quality, light, shade, mark making, and composition, as well as surface manipulation and the illusion of depth. Various approaches should show drawing competence.
AP 2D Design	50.0813010	1.0	10-12		2-D Portfolios should focus on purposeful decision-making about how to use the elements of art imaginatively.
AP 3D Design	50.0814010	1.0	10-12		3-D portfolios should focus on investigating sculptural design principles through various media to create a portfolio. Portfolios allow flexibility in coursework while guiding students to produce college-level quality, artistic investigation, and breadth of work.

Career Tech Pathways
Audio and Video, Technology and Film (AVTF)
Contact Person: TBD



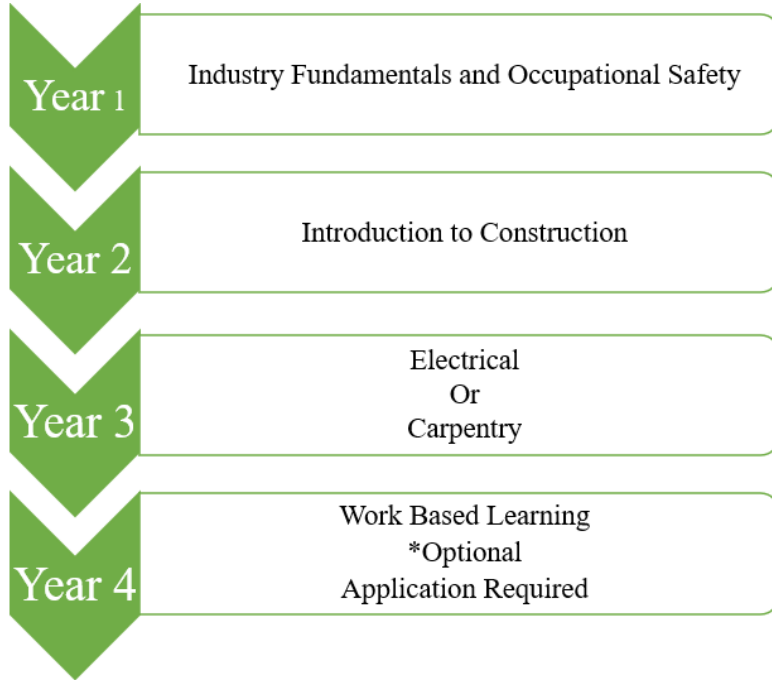
CAREER TECH					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Audio/Video Technology and Film 1	10.5181000	1.0	9-12	None	Introduction to video production terminology, safety, basic equipment, script writing, production teams, production, and programming, lighting, recording, and editing, studio production, and professional ethics.
A/V Tech and Film 2	10.5191000	1.0	10-12	Audio/Video Technology and Film 1	Topics in video editing; multiple-camera video production; topics in film style and lighting; career exploration; corporate video techniques; writing, editing and directing a variety of studio productions.
A/V Tech and Film 3	10.5201000	1.0	11-12	Audio/Video Technology and Film 2	Independent production of an entire television program; writing, directing, and editing studio productions. Produce the weekly Morning Buzz.
Broadcast Video Production 4	10.4141000	1.0	12	Audio/Video Technology and Film 3	Broadcast Video Production Applications is designed to facilitate student-led projects under the guidance of the instructor, as well as provide opportunities for students to master skills necessary to gain entry-level employment or to pursue a post-secondary degree or certificate. Students work cooperatively and independently in all phases of production. Topics include advanced camera techniques, audio production, scriptwriting, producing, directing, editing, employability skills, and development of a digital portfolio. Produce the weekly Morning Buzz

Engineering
Contact Person: Sam Almimar
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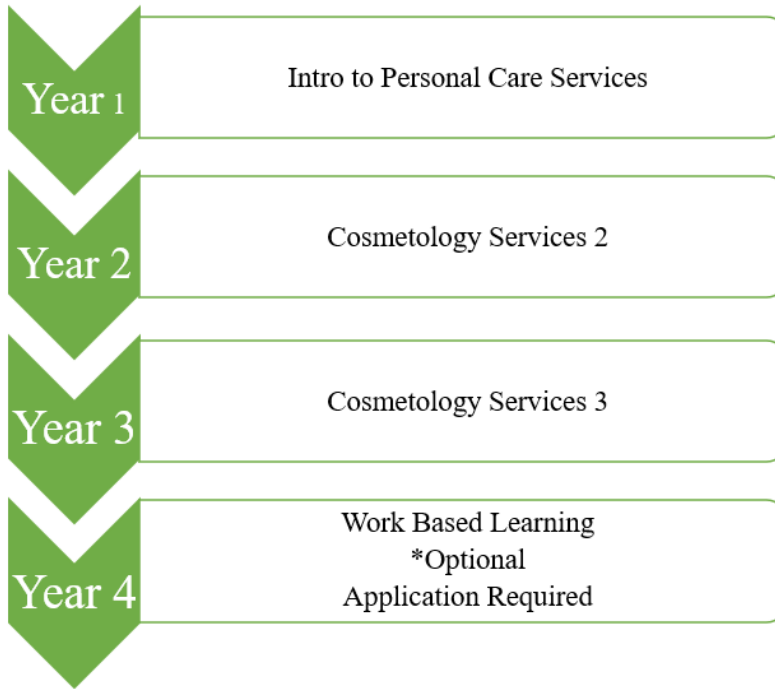
CAREER TECH					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Foundations of Engineering Technology	21.4250000	1.0	9-12	None	Foundations of Engineering is the introductory engineering course at Roswell HS and the first course in the Engineering Pathway. There are no academic prerequisites. Students will learn the basics of the Design Process related to product development and engineering. This class will design, build, and race CO2 cars, teach CAD (Computer-Aided Design) on Autodesk Inventor, and design, build, and test a trebuchet.
Engineering Concepts	21.4710000	1.0	10-12	Foundations of Engineering & Technology	Introduces students to the fundamental principles of engineering. Students learn about areas of specialization within engineering and engineering design and apply engineering tools and procedures as they complete hands-on instructional activities.
Engineering Applications	21.4720000	1.0	11-12	Engineering Concepts	Students have opportunities to apply engineering design as they develop solutions for technological problems. Students use applications of mathematics and science to predict the success of an engineered solution and complete hands-on activities with tools, materials, and processes as they develop working drawings and prototypes.

Construction
Contact Person: Zach Fields
fieldsz1@fultonschools.org



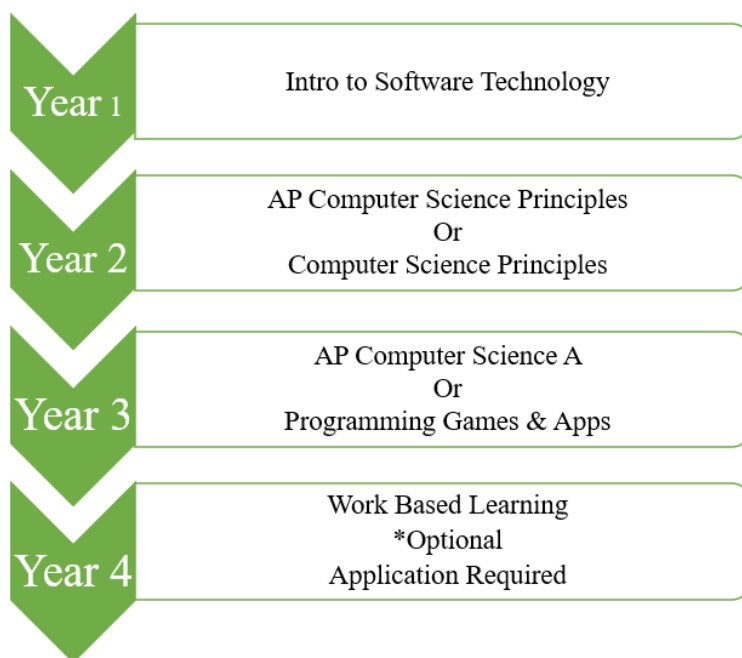
CAREER TECH					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Industry Fundamentals and Occupational Safety	46.5450000	1.0	9-12	None	In this course, students will learn construction site safety, hands-on project-based lessons with hand and power tools, interpretation of construction drawings, construction math, and employability skills. Students completing all requirements for this course will earn the nationally recognized NCCER Core Certification.
Introduction to Construction	46.5460000	1.0	9-12	Industry Fundamentals and Occupational Safety	In this course, students will learn the basics of carpentry (floor, wall, roof, and stair framing), electrical wiring, plumbing, and masonry through hands-on projects and skill demonstrations.
Electrical 1	46.5600000	1.0	10-12	Introduction to Construction	Specialty focus in the electrical trade
Carpentry 1	46.5500000	1.0	10-12	Electrical 1	Specialty focus in carpentry skills

Cosmetology
Contact Person: Tiffiney Robinson
robinson5@fultonschools.org



CAREER TECH					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Intro to Personal Care Services	12.5440000	1.0	9-12	None	Policies and Standards of Georgia State Board rules and regulations; Introduction to phases of shampooing, thermal hair styling, and braiding; Manicure/Pedicure and Facials All topics include written and practical applications in the lab.
Cosmetology Services 2	12.4100000	1.0	10-12	Intro to Personal Care Services	Cosmetology skills performed on mannequins (hair cutting, chemical wave/relaxing) and salon management.
Cosmetology Services 3	12.4110000	1.0	11-12	Cosmetology Services 2	An introduction to all phases of cosmetology to accumulate Georgia Cosmetology State Board unit hours required to become a licensed master cosmetologist.

Information Technology
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upshurd@fultonschools.org



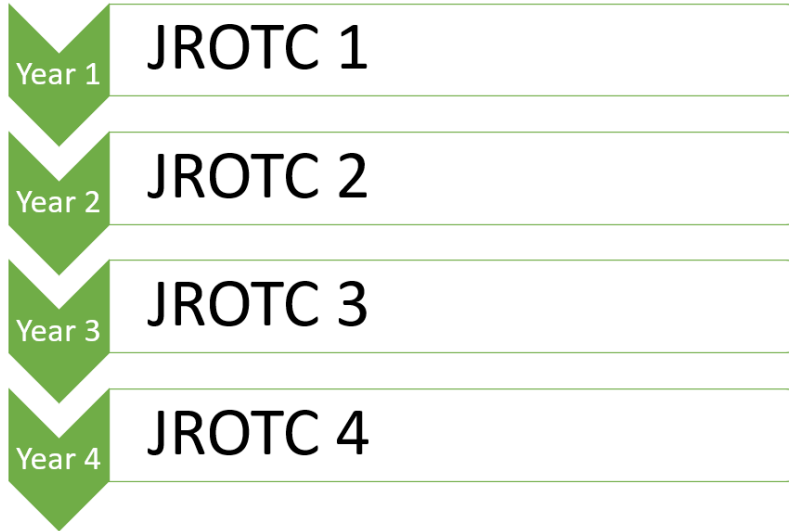
CAREER TECH					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Intro to Software Technology	11.4460000	1.0	9-12	None	Introduction to Software Technology is the foundational course in Information Technology. Designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal lives, society, and the business world. Exposure to foundational knowledge in programming languages, software development, app creation, and user interfacing applications are all taught in a computer lab with hands-on activities and project-focused tasks.
Computer Science Principles	11.4710000	1.0	9-12	Intro to Software Technology	This course emphasizes the content, practices, thinking, and skills central to the discipline of computer science. The course focuses on these practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating.

AP Computer Science Principles	11.0190010	1.0	10-12	Completion of IST OR 85+ in Algebra II OR Concurrent enrollment in Algebra II Computer Science teacher sign-off	The AP Computer Science Principles course is designed to be equivalent to a first-semester introductory college computing course. AP Computer Science Principles introduces students to the foundational concepts of computer science and teaches the fundamentals of programming using JavaScript and Python. With a unique focus on creative problem-solving and real-world applications, AP Computer Science Principles prepares students for college and careers.
AP Computer Sci. A with JAVA	11.0160010	1.0	11-12	85+ in Algebra II Computer Science teacher sign-off	Equivalent to an introductory Computer Science course, this course teaches the student the fundamentals of good Java coding techniques. The course emphasizes object-oriented programming methodology with a concentration on problem-solving and algorithm development, including the study of design, abstraction, and data structures. Topics include a brief history of computing, basics of computing systems, ethics in computing, syntax/semantics in JAVA, selection statements, looping routines, classes, and their methods.
Programming Apps Games & Society	11.4720000	1.0	11-12	85+ in Algebra II Computer Science teacher sign-off	The course is designed for high school students to strategize, design, and develop games and mobile and desktop applications that can be produced in the real world. Students will learn about life cycles of project development and use models to develop applications. Attention will be placed on how user interfaces affect the usability and effectiveness of a game or an application. Programming constructs will be employed which will allow students' applications to interact with "real world," stimuli. The course exposes students to privacy, legality, and security considerations with regards to the software industry.

JROTC

Contact Person: CSM Tamara Mitchell

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CAREER TECH					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
JROTC 1	28.0310000	1.0	9-12	None	Introduction to American symbols, customs, and traditions and the history and purpose of Army JROTC. Introduction to the essential skills needed to maximize learning potential and future success. Assessment of current skill set and work to develop maximum potential. Application of learning theory and techniques to improve study, communication, and planning skills. Exploration of social responsibility, conflict resolution, and service-learning opportunities. Introduction to leadership: its definition, the importance of knowing and applying basic leadership skills (principles, styles, values, the BE, KNOW, and DO attributes). Introduction to reading techniques, study habits, and test-taking strategies.
JROTC 2	28.0320000	1.0	10-12	JROTC 1	Development of an appreciation for the importance of physical fitness in maintaining good health and appearance. Basic information about nutrition and exercise. First aid for emergency and non-emergency situations; Introduction to drug awareness to include the use and effect of drugs, alcohol, and substances. Exploration of the values and principles that underlie good citizenship with emphasis placed on the United States Constitution and Bill of Rights, the responsibility of U.S. citizens, fundamental national values, the U.S. federal justice system, and service to the community. Introduction to various significant events and historical figures that contributed to our citizenship and American history.

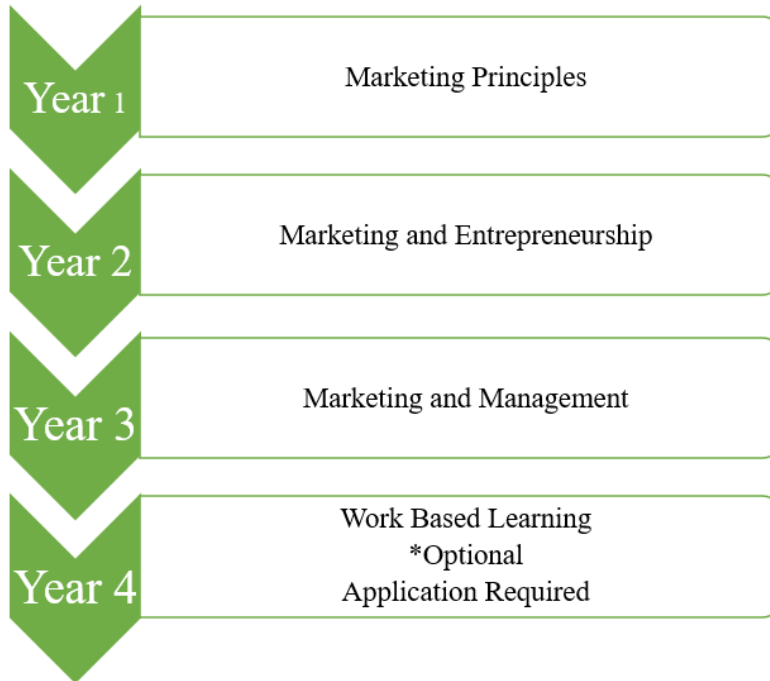
JROTC 3	28.0330000	1.0	11-12	JROTC 2	Further study and application of basic leadership skills (principles, styles, values, the BE, KNOW, and DO attributes). Demonstration, assessment, and evaluation of cadet leadership potential by applying these concepts in command or staff positions. Introduction to the communication process among individuals and the communication principles of writing, speaking, and listening. Preparation and presentation of effective oral and written communication. Introduction to basic guidelines for managing conflict and communication skills necessary for finding solutions to resolve conflicts.
JROTC 4	28.0340000	1.0	12	JROTC 3	Continuation of cadets' leadership development by concentrating on basic individual leadership responsibilities/techniques and introducing the responsibilities of team leaders. Cadets will have the opportunity to identify the impact of their actions on themselves and other team members in the areas of individual responsibility, self-reliance, followership, and teamwork. Cadets will be introduced to the basic principles of management, how leaders use these principles to manage resources effectively, and the fundamental differences between leadership and management techniques. Students will deliver instruction using accepted principles and methods of teaching. Students will develop lesson plans and graphic organizers to determine the material they must review and rehearse before providing instruction.

Marketing

Contact Person(s): Katherine Knowles & Joey Will (3DE)

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willj@fultonschools.org



CAREER TECH					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Marketing Principles 3DE Launch Course option for all rising 9th graders Non-3DE course option for rising 9 – 12th graders	08.8740000	1.0	9-12	None	Marketing Principles is the foundational course for all pathways in Marketing Education. Marketing Principles address how marketing satisfies consumer and business needs and wants for products and services. Students develop an understanding of the functions of marketing and how these functional areas affect all businesses. They learn basic marketing concepts and the role of marketing in our economy. Students also develop skills in applying economic concepts to marketing, distribution and logistics, marketing information management, finance in marketing, product/service planning, pricing mixes, promotional strategies, and personal selling.

Marketing and Entrepreneurship	08.4410000	1.0	10-12	Marketing principles	Marketing and Entrepreneurship is the second Marketing and Management Career Pathway course. Marketing and Entrepreneurship begins an in-depth and detailed study of marketing while focusing on management with a specific emphasis on small business ownership. This course builds on the theories learned in Marketing principles by providing practical application scenarios that test these theories. In addition, Marketing and Entrepreneurship focus on the supervisor's role and examine the qualities needed to succeed.
Marketing and Management	08.842000	1.0	11-12	Marketing and Entrepreneurship	Marketing Management is the third course in the Marketing and Management pathway. Students will study the managerial perspective by applying economic principles in marketing, analyzing operation's needs, examining channel management and financial alternatives, managing marketing information, pricing products and services, developing product/ service planning strategies, promoting products and services, purchasing and professional sales. This course includes global marketing, where students analyze marketing strategies in the United States versus those in other countries.

Work-Based Learning
Contact Person: Leslie McHann
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CAREER TECH					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Work Based Learning (off campus)	07.7114000 07.7115000	1.0* 2.0**	11-12	Apply with Ms. McHann	Students learn employability skills while working in an environment related to their career pathway at a job or internship. Work-based learning provides structured experiences in Career Awareness and Exploration—a year-long Course.
Peer Facilitation	35.041002	1.0	11-12	Apply with Ms. McHann	Practical application of teaching methods working with elementary or high school classes. Year-long Course.

ELA
Contact Person: George Bryan
bryang1@fultonschools.org

Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
9th Literature and Composition	23.0610000	1.0	9	None	Genre-based reading strategies, analysis of fiction and nonfiction texts. Narrative, argument, and synthesis writing; vocabulary and grammar instruction.
9th Lit Support	23.1830000	1.0	9	Standardized Test Data or Teacher Recommendation	Companion class for 9th Lit, designed for students needing additional support. Successful completion of the course allows students to earn elective credit.
9th Literature and Composition Honors	23.0610040	1.0	9	8th Grade Teacher Recommendation See FCS placement guidelines	Genre-based reading strategies analysis of fiction and nonfiction texts at an advanced level. Narrative, argument, and synthesis writing; vocabulary and grammar instruction. Appropriate for teacher-recommended students who earned at least a 90 in 8th grade Accelerated English.
10th Literature and Composition	23.0620000	1.0	10	None	Study of World Literature and informational texts; An exploration of commonalities and differences among works of literature from different times and places worldwide; Narrative, argument, and synthesis writing; vocabulary and grammar instruction.
10th Literature and Composition Honors	23.0620040	1.0	10	9th Grade Teacher Recommendation See FCS placement guidelines	Study of World Literature and informational texts at an advanced level: An exploration of commonalities and differences among works of literature from different times and places worldwide. Narrative, argument, and synthesis writing—process and timed; vocabulary and grammar instruction. Appropriate for teacher-recommended students who earned at least an 85 in 9th Honors Literature and Composition.
11th American Literature and Composition	23.0510000	1.0	11	None	A study of American literature and informational texts from the 1600s to the present. Narrative, argument, and synthesis writing; vocabulary and grammar instruction. This is an EOC course.
11th American Literature and Composition Honors	23.0510040	1.0	11	10th Grade Teacher Recommendation See FCS placement guidelines	Advanced-level study of American literature and informational texts from the 1600s to the present. Narrative, argument, and synthesis writing—process and timed; vocabulary and grammar instruction. Appropriate for teacher-recommended students who earned at least an 85 in 10th Literature and Composition Honors. This is an EOC course.
11th Advanced Placement (AP) Language & Composition	23.0530010	1.0	11	10th Grade Teacher Recommendation See FCS placement guidelines	A rigorous college-level study of authors' styles and rhetorical techniques, a survey of American literature emphasizing nonfiction texts. Focus on passage analysis, argument, and synthesis writing at an advanced level. Students can earn college credit. Appropriate for teacher-recommended students who earned at least a 90 in 10th Honors Literature and Composition. Moving from on-level 10th Lit to AP Lang is atypical and generally not encouraged.

AP Seminar ELA	35.0900000	1.0	10,11	9 th or 10 th grade Teacher Recommendation See FCS placement guidelines.	Year-long elective course engaging students in cross-curricular conversations in which they explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students practice reading and analyzing various literary text types using an inquiry framework. Students learn to synthesize information from multiple sources, develop their attitudes in research-based written essays, and design and deliver oral and visual perspectives individually and as a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information accurately and precisely to craft and communicate evidence-based arguments.
Dramatic Writing for Film, Television, and Theatre	52.0920000	1.0	10-12	None	A year-long on-level 12th-grade core English course was created to train students how to write for GA's booming, multi-billion-dollar film and television industry. Students will learn how to write for theatre, film, and television. Students will learn to use narrative storytelling techniques skillfully by writing plays, television scripts, and film screenplays. GA colleges accept this course as core English credit. It is appropriate for students who have completed 11th Lit (honors or on-level).
12th Multicultural Literature and Composition	23.0670000	1.0	12	None	The year-long on-level 12th-grade core course focused on literature and informational texts by and about people of diverse ethnic backgrounds. Narrative and argumentative writing. Vocabulary and grammar instruction. Appropriate for students who completed 11th American Literature and Composition-on level.
12th British Literature and Composition	23.0520000	1.0	12	None	The year-long on-level 12th-grade core course focused on studying British literature and informational texts, including Chaucer, and Shakespeare. Narrative and argumentative writing. Vocabulary and grammar instruction. Appropriate for students who completed 11th American Literature and Composition-on level.
12th Advanced Composition Honors	23.0340040	1.0	12	11 th Grade Teacher Recommendation See FCS placement guidelines	Advanced-level study of contemporary writing. Students write for various authentic purposes and audiences and explore a personal "passion" project. Special emphasis on news literacy, critical research, and presentation skills. Appropriate for students who received at least an 80 in AP Lang or an 85 in 11th Honors American Literature and Composition.
12th AP Literature & Composition	23.0650010	1.0	12	See FCS placement guidelines	An advanced college-level study and analysis of literature and critical approaches to literature. Students can earn college credit. Appropriate for teacher-recommended students who earned at least an 85 in AP Lang or a 90 in 11th Honors American Literature and Composition. Moving from on-level 11th Lit to AP Lit is atypical and generally not encouraged.
Creative Writing (Writer's Workshop)	23.0310001	0.5	9-12	None	Learn the ins and outs of creative writing; improve techniques to become a more focused and skilled writer of short fiction, creative nonfiction, novel, poetry, or screenplays; discover resources for submitting your short stories, books, and other creative writing to professional publications.
Mythology	23.0210001	0.5	9-12	None	This literature elective introduces classical Greek and Roman, Norse, and medieval mythology through the study of themes and narratives that emphasize the importance of mythical elements and how they relate to modern myths of the world.
Contemporary Literature/Film	23.0660000	0.5	11-12	None	This course examines multiple genres of film from the 1930s to the present. The focus is to identify and analyze

					choices made by writers and directors in the filming and editing process. Students gain the skills necessary to read and analyze films as texts critically.
Speech/Forensics 1	23.0460001	0.5	9-12	None	Public speaking, planning, writing, rehearsing, and delivering speeches; research techniques; participation in debates, discussions, and group activities.
Journalism 1 Literary Magazine	23.0320008	1.0	10-12	Application	Study of creative writing, production of school literary magazine.
Journalism 2 Literary Magazine	23.0330008	1.0	11-12	Lit Mag 1	Continued study of creative writing and digital magazine production.
Journalism 1 Newspaper	23.0320000	1.0	9 -12	None	Study of newspaper journalism, production of school newspaper.
Journalism 2 Newspaper	23.0330000	1.0	10-12	Journalism 1 with 85+	Advanced study of newspaper journalism, production of school newspaper.
Journalism 3 Newspaper	23.0350000	1.0	11-12	Newspaper 2 with 85+	Advanced study of newspaper journalism, production of school newspaper.
Journalism 4 Newspaper	23.0360000	1.0	12	Newspaper 3 with 85+	Advanced study of newspaper journalism, production of school newspaper.
Journalism 1 Annual	23.0320007	1.0	9-12	Application Ms. Goddard	Study of photojournalism, production of school annual (yearbook).
Journalism 2 Annual	23.0330007	1.0	10-12	Journalism 1 Annual	Advanced study of photojournalism, production of school annual (yearbook).
Journalism 3 Annual	23.0350007	1.0	11-12	Journalism 2 Annual	Advanced study of photojournalism, production of school annual (yearbook).
Journalism 4 Annual	23.0360007	1.0	12	Journalism 3 Annual	Advanced study of photojournalism, production of annual (yearbook).

ESOL

Contact Person: Lindsey Davis-Bryan

Email: davisl6@fultonschools.org

Courses Available for Core ELA Credit ** Sheltered classes capped at 23 without an aide/ 25 with an aide.					
Course Title	Course #	Credit	Criteria for Placement-Access/WAPT Score	Prerequisite(s)	Curriculum and Materials
9th Grade Literature and Composition Sheltered Push In* *Available based on demand and teacher availability	23.0610020	1.0	3.5+	None	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
	23.0610090				
10th Grade Literature and Composition Sheltered Push In*	23.0620020	1.0	2.5+	None	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
	23.0620090		3.0+		
11th Grade American Lit/Comp Sheltered Push In*	23.0510020	1.0	3.5+	9 th and 10 th Literature and Composition	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
	23.0510090				
Multicultural Literature Sheltered Push In*	23.0670020	1.0	2.5+	9 th , 10 th , and 11 th Literature and Composition	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
	23.0670090				

ESOL Courses Available for Core Mathematics Content Area Credit ** Sheltered classes capped at 23 without an aide/ 25 with an aide.					
Course Title	Course #	Credit	Criteria for Placement-Access/WAPT Score	Prerequisite(s)	Curriculum and Materials
GSE Algebra 1 Sheltered Push In*	27.0990020	1.0	Below 3.5	None	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
	27.0990090				
Geometry Sheltered Push In*	23.0991020	1.0	Below 3.5	CCGPS Coordinate Algebra	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
	23.0991090				

ESOL
Courses Available for Core Science Credit

** Sheltered classes capped at 23 without an aide/ 25 with an aide.

** Push-In courses capped at 18.

Course Title	Course #	Credit	Criteria for Placement-Access/WAPT Score	Prerequisite(s)	Curriculum and Materials
Earth Systems Push-In <i>*Based on demand and teacher availability.</i>	40.0640090	1.0	Below 3.5	None	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
Biology Push-In <i>*Based on demand and teacher availability.</i>	26.0120090	1.0	3.5+	None	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
Physical Science Push-In	40.0110090	1.0	3.5+	Biology	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.

ESOL
Courses Available for Core Social Studies Credit

** Sheltered classes capped at 23 without an aide/ 25 with an aide.

** Push-In courses capped at 18.

Course Title	Course #	Credit	Criteria for Placement-Access/WAPT Score	Prerequisite(s)	Curriculum and Materials
American Government/Civics Sheltered	45.0570021	0.5	2.5+	None	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
Push In*	45.0570091				
World History Sheltered	45.0830020	1.0	2.5+	None	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
Push In*	45.0830090				
US History Sheltered	45.0810020	1.0	3.5+	World History	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.
Push In*	45.0810090				
Economics Push-In	45.0610091	0.5	3.5+	World History, US History	Mainstream curriculum and materials, supplemented with ESOL-appropriate materials.

ESOL
Scheduled Courses Available for Elective Credit

** The following courses must meet the guidelines for ESOL Scheduled classes.**

Course Title	Course #	Credit	Criteria for Placement-Access/WAPT Score	Prerequisite(s)	Curriculum and Materials
Communication Skills I	55.0210000 (01,02)	1.0	1.0-2.5	None	Former ESOL I materials.
Communication Skills II	55.0220000 (01,02)	1.0	2.5-3.5	None	Former ESOL IV materials.
Reading and Listening in Content Areas	55.0230000 (01,02)	1.0	2.0-3.5	None	Basic Read/Write materials supplemented with ESOL materials as needed.
Writing in the Content Areas	55.0250001 55.0250001	0.5	S1:2.0-3.9 S2:3.0-4.9	None	Mainstream content texts supplemented with materials purchased specifically for course.

Math
Contact Person: Amanda Porter
Porteras@fultonschools.org

Course Title	Course #	Term	Grade(s)	Prerequisite(s)	Course Descriptions
Algebra: Concepts and Connections	27.0811001 27.0811002	1	9	Math 8	This course is designed as the first course in a three-course series. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving algebra, geometry, bivariate data, and statistics. This course focuses on algebraic, quantitative, geometric, graphical, and statistical reasoning. In this course, students will continue to enhance their algebraic reasoning skills when analyzing and applying a deep understanding of linear functions, sums and products of rational and irrational numbers, systems of linear inequalities, distance, midpoint, slope, area, perimeter, nonlinear equations, and functions, quadratic expressions, equations and functions, exponential expressions, equations, and functions, and statistical reasoning.
Geometry: Concepts and Connections Honors	27.0821041 27.0821042	1	9 Because this course offers 7 honors points, it is only for students who are a year or more ahead in mathematics.	Algebra: Concepts and Connections	This course is designed as the second course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.
Geometry: Concepts and Connections	27.0821001 27.0821002	1	10	Algebra: Concepts and Connections	This course is designed as the second course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.

Advanced Algebra: Concepts and Connections Honors	27.0831041 27.0831042	1	9-10 Because this course offers 7 honors points, it is only for students who are a year or more ahead in mathematics.	Geometry: Concepts and Connections Honors	This course is designed as the third course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.
Advanced Algebra: Concepts and Connections	27.0831001 27.0831002	1	11	Geometry: Concepts and Connections	This course is designed as the third course in a three-course series. This course enhances students' geometric, algebraic, graphical, and probabilistic reasoning skills. Students will apply their algebraic and geometric reasoning skills to make sense of problems involving geometry, trigonometry, algebra, probability, and statistics. Students will continue to enhance their analytical geometry and reasoning skills when analyzing and applying a deep understanding of polynomial expressions, proofs, constructions, rigid motions and transformations, similarity, congruence, circles, right triangle trigonometry, geometric measurement, and conditional probability.
AP Precalculus <i>*This is a college level course</i>	27.0841041 27.0841042	1	10-12	Advanced Algebra: Concepts and Connections Honors Or Advanced Algebra: Concepts and Connections	Topics in AP Precalculus include polynomial and rational functions, exponential and logarithmic functions, trigonometric and polar functions, and functions involving parameters, vectors, and matrices. Each function type will be modeled through multiple representations (e.g., graphical, numerical, verbal, analytical), along with applying the function type to a variety of contexts. The depth of student understanding needed in this course is significantly more than in previous math courses. This course is equivalent to a college-level Precalculus course. Students will take the AP Precalculus exam at the end of this course.
Precalculus	27.0841001 27.0841002	1	10 - 12	Advanced Algebra: Concepts and Connections Or Advanced Algebra: Concepts and Connections Honors	The course provides students with the opportunity to develop a deeper understanding of concepts in Algebra that are critical to the study of Calculus and a sense of trigonometry and its applications. Throughout the course, there will be a focus on notational fluency and multiple representations. The course includes the study and analysis of piecewise and rational functions; limits and continuity as related to piecewise and rational functions; sequences and series with the incorporation of convergence and divergence; conic sections as implicitly defined curves; the six trigonometric functions and their inverses; applications of trigonometry such as modeling periodic phenomena, modeling with vectors and parametric equations, solving oblique triangles in contextual situations, graphing in the Polar Plane; solutions of trigonometric equations in a

					variety of contexts; and the manipulation and application of trigonometric identities.
Advanced Mathematical Decision Making	27.0850001 27.0850002	1	12	Advanced Algebra: Concepts and Connections	Advanced Mathematical Decision Making (AMDM) is designed to follow the completion of Advanced Algebra: Concepts and Connections or an equivalent course. The course will give students further experiences with statistical information and summaries, methods of designing and conducting statistical studies, an opportunity to analyze various voting processes, data modeling, fundamental financial decisions, and use network models for making informed decisions.
Calculus	27.0780001 27.0780002	1	12	AP Precalculus Or Precalculus	The course allows students to develop an understanding of the derivative and its applications, as well as the integral and its applications. Throughout the course, there will be a focus on notational fluency and multiple representations.
AP Calculus AB <i>*This is a college level course</i>	27.0720001 27.0720002	1	11 – 12	AP Precalculus Or Precalculus	Topics in AP Calculus AB include: <ul style="list-style-type: none"> • Limits and their properties. • Derivatives and differentiation applications. • Anti-derivatives and indefinite integration. • Area and definite integrals. • Integration by substitution. • The trapezoidal rule. • Logarithmic, exponential, and other transcendental functions. • Applications and methods of integration. • Miscellaneous topics in Calculus AB. <p>This course is equivalent to a college-level Calculus I course.</p>
AP Calculus BC <i>*This is a college level course</i>	27.0730001 27.0730002	1	11 – 12	AP Precalculus with teacher recommendation	Topics in AP Calculus BC include all topics from AP Calculus AB as well as applications of integration involving work and arc length; parametric equations; analysis of acceleration and velocity vectors; applications of slope fields to differential equations; analysis of geometric, harmonic, p -series, and alternating series; and approximations of polynomials with Taylor and Maclaurin series. <p>This course is equivalent to college-level Calculus I and Calculus II courses.</p>
AP Statistics <i>*This is a college level course</i>	27.0740001 27.0740002	1	11 – 12	Advanced Algebra: Concepts and Connections Honors Or Advanced Algebra: Concepts and Connections	Topics in AP Statistics include: <ul style="list-style-type: none"> • Introduction to statistics, descriptive statistics, probability, probability distributions, and normal probability distributions. • Estimates and sample size. • Hypotheses testing. • Inferences from two samples. • Correlation and regression.

				<p>Or</p> <p>AP Precalculus</p> <p>Or</p> <p>Precalculus</p>	<ul style="list-style-type: none"> • Multinomial experiments. • Analysis of variance. • Statistical process control. • Nonparametric statistics. • Design and sampling. <p>Students are required to do a fair amount of reading and are expected to use the textbook as a primary source of information. Likewise, there is a significant emphasis on writing rather than algebraic manipulation.</p> <p>This course is equivalent to introductory college-level Statistics.</p>
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NON-DEPARTMENTAL COURSES

Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
SAT Prep	35.0660001	0.5	10-11	None	Topics in language arts and mathematics and selected test-taking strategies related to successful test-taking
AP Seminar	35.0900000	1.0	10, 11	9 th or 10 th grade English teacher recommendation	This year-long elective course engages students in cross-curricular conversations in which they explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing various literary texts. Students learn to synthesize information from multiple sources, develop their perspectives in research-based written essays, and design and deliver oral and visual perspectives individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information accurately and precisely to craft and communicate evidence-based arguments.
AP Research	35.0910000	1.0	11-12	AP Seminar AP Seminar teacher recommendation	AP Research, the second course in the AP Capstone experience, 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 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 an oral defense.
Peer Facilitation	35.0410001	0.5	12	Application, Behavior, attendance, interview	Assistance with office duties; interacting with adults in an office setting

Performing Arts
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Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Fundamentals of Theater 1 & 2	52.0210001 52.0220001	1.0	9-12	None	This course serves as an introduction to theatre arts. Students investigate theatre by exploring the techniques and origins of various theatre arts in different cultures and periods. This course is a prerequisite to all drama and theater classes for 9th-grade students or students new to theater.
Technical Theatre 1	52.0410000	1.0	9-12	Fundamentals	This year-long course teaches all the technical elements of theatre. Students get hands-on experience in these technical elements: set construction and painting, stage management, lighting, costuming, makeup, and sound. Project-based instruction encourages students to design technical aspects and to become crew members and leaders working on actual school productions presented on the RHS stage.
Technical Theatre 2	52.0420000	1.0	10-12	Technical Theatre 1	
Technical Theatre 3	52.0430000	1.0	11-12	Technical Theatre 2	
Technical Theatre 4	52.0440000	1.0	12	Technical Theatre 3	
Advanced Drama 1	52.0510000	1.0	10-12	Fundamentals, Interview <i>or</i> Audition ONLY	Advanced Drama is a yearlong course offering hands-on experience in dramatic production's artistic, technical, managerial, and financial elements. Students will be part of the production company, and each will take responsibility for key elements of production throughout the year, taking a show from planning to completion. This course is for the dedicated theatre student.
Advanced Drama 2	52.0520000	1.0	10-12	Advanced Drama 1	
Advanced Drama 3	52.0523000	1.0	11-12	Advanced Drama 2	
Advanced Drama 4	52.0524000	1.0	12	Advanced Drama 3	
Musical Theatre 1	52.0310000	1.0	10-12	Fundamentals of Theater	This yearlong class introduces students to the style, characteristics, and elements of Musical Theatre. We will explore various styles and techniques of dance and music and discover how dance and the voice are used to tell stories. Students will learn about possible careers in musical theatre and could perform in a musical.
Musical Theatre 2	52.0320000	1.0	11-12	Successful completion of a previous chorus or drama course in high school AND audition	
Beginning Guitar 1	53.0841001	0.5	9-12	None	Beginning to intermediate guitar techniques with a heavy emphasis on learning pop/rock songs from guitar tablature, songwriting/composition, blues improvisation, and soloing will be covered. Reading music at a basic level will be introduced—ongoing music theory. The course culminates in a mandatory group recital at the end of the semester.
Beginning Guitar 2	53.0842001	0.5	9-12	Beginning Guitar 1	Intermediate to advanced guitar techniques with a heavy emphasis on classical guitar and advanced pop/rock songs, songwriting/composition, improvisation, and soloing will be covered. Students are expected to read music and tablature at a higher level—ongoing music theory. The course culminates in a mandatory group recital at the end of the semester.
Beginning Guitar 3	53.0843001	0.5	10-12	Beginning Guitar 2	
Beginning Keyboard Technique 1 (Piano)	53.0941001	0.5	9-12	None	Basic piano techniques, note reading, styles of piano playing, and music theory

Beginning Keyboard Technique 2 (Piano)	53.0942001	0.5	9-12	Keyboard 1	More piano techniques, note reading, styles of piano playing, and music theory
Beginning Keyboard Technique 3 (Piano)	53.0943001	0.5	10-12	Keyboard 2	More piano techniques, note reading, styles of piano playing, and music theory
Beginning Keyboard Technique 4	53.0944001	0.5	10-12	Keyboard 3	More piano techniques, note reading, styles of piano playing, and music theory
Intermediate Women's Chorus	54.0251000	1.0	9-12	Teacher Recommendation or Middle School Chorus	Intermediate performance literature, performance skills, sight reading, analysis, technical skills, and performance evaluations. Stresses individual progress and group experiences. <i>Performances and rehearsals beyond classroom instruction are required.</i>
Advanced Women's Chorus	54.0261000	1.0	9-12	Intermediate Women's Chorus or Middle School Chorus and audition	Advanced performance literature, performance skills, sight reading, analysis, technical skills, and performance evaluations. Stresses individual progress and group experiences. <i>Performances and rehearsals beyond classroom instruction are required.</i>
Advanced Men's Chorus	54.0291000	1.0	9-12	Teacher Recommendation or Middle School Chorus	Intermediate performance literature, performance skills, sight reading, analysis, technical skills, and performance evaluations. Stresses individual progress and group experiences. <i>Performances and rehearsals beyond classroom instruction are required.</i>
Chamber Chorus	53.0741000	1.0	10-12	Completion of one year of Intermediate Women's Chorus or Intermediate Men's Chorus and audition	Mastery of performance literature, performance skills, sight reading, analysis, technical skills, and performance evaluations. Stresses individual progress and group experiences. <i>Performances and rehearsals beyond classroom instruction are required.</i>
Vocal Jazz Ensemble	53.0661000	1.0	10-12	Completion of one year of Advanced Women's Chorus or Intermediate Men's Chorus and audition	Intermediate Jazz literature, history of jazz, sight reading, technical skills, vocal improvisation, creativity, dance, and performance evaluations. Stresses individual progress and group experiences. <i>Performances and rehearsals beyond classroom instruction are required.</i>
Intermediate Band	53.0371000	1.0	9-12	Current Enrollment in Band or Audition	Concert Band. Sight-reading, analysis of level II and III concert band literature, and performance (3-4 concerts and possible GMEA Performance Evaluation)
Advanced Band	53.0381000	1.0	9-12	Current Enrollment in Band and Audition	Symphonic Band. Sight-reading, analysis of level III and IV concert band literature, and performance (3-4 concerts and GMEA Performance Evaluation)
Mastery Band	53.0391000	1.0	9-12	Current Enrollment in Band and Audition	Wind Ensemble. Sight-reading, analysis of level IV, V, and VI concert band literature, and performance (3-4 concerts and participation in the GMEA Performance Evaluation)
Percussion Ensemble	53.0761000	1.0	9-12	Current Enrollment in Band and Audition	Sight-reading, analysis of concert band literature, and performance (3-4 concerts with Advanced Bands 2, 3, and 4 and participation in the GMEA Performance Evaluation as well as percussion ensemble concerts)
Beginning Orchestra	53.0582000	1.0	9-12	Teacher Recommendation or Current Enrollment in Orchestra	Freshman Orchestra. Sight-reading; analysis of level II and III orchestra literature; performance (3-4 concerts and participation in GMEA Performance Evaluation Festival).

Intermediate Orchestra	53.0583000	1.0	9-12	Teacher Recommendation <i>or</i> Current Enrollment in Orchestra	Sinfonia Orchestra. Sight-reading; analysis of level II and III orchestra literature; performance (3-4 concerts and participation in GMEA Performance Evaluation Festival)
Advanced Orchestra	53.0581000	1.0	9-12	Teacher Recommendation <i>or</i> Current Enrollment in Orchestra	Philharmonic Orchestra. Sight-reading; analysis of level III and IV orchestra literature; performance (3-4 concerts and participation in GMEA Performance Evaluation Festival)
Mastery Orchestra	53.0591000	1.0	9-12	Audition	Chamber Orchestra Sight-reading; analysis of level V and VI orchestra literature; performance (3-4 concerts and participation in GMEA Performance Evaluation Festival)
Music Theory	53.0210000	1.0	11-12	Completion of 2 years of high school band, chorus, guitar, or orchestra and Current enrollment in music class	This course introduces the fundamentals of organized sound, emphasizing the rules of Western music composition and offering opportunities to create original works. Students will develop the ability to describe, understand, and recognize aspects of tonal music and skills in sight-singing, dictation/aural, written aspects, composition, and analytical areas. Students will be exposed to various exercises to develop these skills, including listening, performing, writing, creating, and analyzing music.
AP Music Theory <i>*This is a college level course</i>	53.0230010	1.0	11-12	Completion of 2 years of high school band, chorus, guitar, or orchestra Current enrollment in music class 85+ average in most recent music course Teacher Recommendation	The goal of an AP Music Theory course is to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. The achievement of this goal may be best promoted by integrated approaches to the student's development of aural skills, listening exercises, sight-singing skills, performance exercises, and written skills through written exercises, compositional skills, creative exercises, analytical skills, and analytical exercises.

Physical Education
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Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
General Health <i>(Suggested for 9th graders, Required for Graduation)</i>	17.0110001	0.5	9	None	Wellness concepts, human sexuality, State ADAP requirements, CPR training, first aid procedures, safety practices, and responsibility for health decisions.
Personal Fitness <i>(Required for Graduation)</i>	36.0510001	0.5	9-12	None	Personal fitness program, stress management, fitness games, nutrition, and weight training
Weight Training	36.0540001	0.5	9-12	None	Individual weight training program
Intermediate Weight Training	36.0540002	0.5	9-12	Weight Training	Intermediate weight training program
Physical Conditioning, Football	36.0620001 36.0620002	1.0 or 0.5	9-12	Football players	Team-Specific weight training program
Physical Conditioning	36.0520001 36.0520002	1.0 or 0.5	9-12	RHS athletes	Specific strength and conditioning program for RHS athletes (i.e., basketball, lacrosse, baseball, etc.).
Recreational Games	36.0270001	0.5	9-12	None	Table tennis, badminton, pickleball, horseshoes, Frisbee games, and other games.
Intermediate Recreational Games	36.0370001	0.5	9-12	Recreational Games	Intermediate table tennis, badminton, pickleball, horseshoes, Frisbee games, and other games
Lifetime Sports	36.0220001	0.5	9-12	None	Tennis, golf, softball, and volleyball and other games
Intermediate Lifetime Sports	36.0320001	0.5	9-12	Lifetime Sports	Intermediate tennis, golf, softball, and volleyball and other games
General PE 1	36.0110001	0.5	9-12	None	Flag football, basketball, soccer, team handball, and other games
General PE 2	36.0120001	0.5	9-12	General PE	Int. flag football, basketball, soccer, team handball, and other games.
Exercise Weight Control (Fitness Walking)	36.055000	0.5	9-12	None	Provides safe, effective, and physiologically sound ways to manage weight and alter metabolism and body composition through walking. Includes consumer information on products, programs, and fitness concepts for developing healthy lifetime habits.
Body Sculpting	36.0560001	0.5	9-12	None	Provides methods to redefine body shape through specific exercises. <i>Based on the American College of Sports Medicine</i> guidelines for fitness and conditioning programs, this course covers weight training, conditioning exercises, and proper nutrition to improve muscle tone, muscle definition, posture, bodily proportions, and overall condition of the body and energy levels.

Science

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SCIENCE

Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Earth Systems	40.0640000	1.0	9	Recommendation from eight grade science teacher for a ninth grade only course	Exploring the intricate connections within Earth's systems-encompassing the atmosphere, hydrosphere, and geosphere-unravels a profound tapestry of knowledge. This journey delves into Earth's diverse landscapes, intricate ecology, and invaluable resources while investigating fundamental phenomena crucial to understanding geology and physical geography. These include Earth's ancient origins, the dynamic realm of plate tectonics, the ever-evolving face of landforms, the invaluable geological record, the nuances of weather and climate, and the captivating history of life unfolding on our planet.
Biology	26.0120000	1.0	9-11	None	Science lab skills and lab safety, research skills, nature of biology, cellular biology, matter-energy relationships, biochemistry, genetics, theory of evolution, classification systems, and ecology.
Biology Honors	26.0120040	1.0	9	See FCS placement guidelines	Science lab skills and lab safety, research skills, nature of biology, cellular biology, matter-energy relationships, biochemistry, genetics, theory of evolution, classification systems, ecology, and the human body.
Chemistry	40.0510000	1.0	10-11	See FCS placement guidelines	Inquiry, process skills, problem-solving, classification and conservation of matter, atomic structure and reactivity patterns, electron configuration, nuclear chemistry, bonding and formation of compounds, chemical equations, phases change, equilibrium, kinetics, and thermodynamics. <i>NOTE: Students who complete Chemistry will NOT be recommended for Physical Science</i>
Chemistry Honors	40.0510040	1.0	10-11	See FCS placement guidelines	Tools of mathematics, scientific method, mole concept, chemical reactions and gas laws, kinetic relationships, solubility, the periodic table, analytical chemistry, electron configuration, atom composition and radioactivity, chemical bonding, organic chemistry, equilibrium, and oxidation.
Physics	40.0810000	1.0	11-12	See FCS placement guidelines	Science process skills and lab safety, mechanics, Newton's laws, force, motion, work/power, phases of matter, thermodynamics, energy transformation and conservation, waves, sound, light, electricity, magnetism, particle theory, atomic structure, and nuclear energy.
Physical Science	40.0110000	1.0	10-12	See FCS placement guidelines	The physical science standards include abstract concepts such as the conceptualization of the structure of atoms and their role in determining the properties of materials, motion, and forces, the conservation of energy and matter, wave behavior, electricity, and the relationship between electricity and magnetism. Students investigate physical science concepts through studying phenomena, experiences in laboratory settings, and fieldwork.
Environmental Science	26.0611000	1.0	11-12	See FCS placement guidelines	The study of many components of our environment, including the flow of energy and the cycling of matter, the interconnection of all life, the stability and change in an ecosystem, conservation, and resource allocation, and evaluation of human activity and technology. Instruction focuses on student data collection and analysis and interpretation of data gathered on global concepts.

Earth Systems	40.0640000	1.0	11-12	See FCS placement guidelines	Connections among Earth's systems (atmosphere, hydrosphere, and geosphere); the Earth's landscapes, ecology, and resources; phenomena fundamental to geology and physical geography (including the early history of Earth, plate tectonics, landform evolution, the Earth's geologic record, weather and climate, and history of life on Earth).
AP Physics 1 <i>*This is a college level course</i>	40.0831010	1.0	11-12	See FCS placement guidelines	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, mechanical waves, sound, optics, electricity, magnetism, and electrical circuits.
AP Physics C Mechanics AND Electricity/Magnetism Note: Students must sign up for BOTH semester-long courses. <i>*This is a college level course</i>	40.0841011 40.0842012	1.0	11-12	See FCS placement guidelines	This is a yearlong course, made up of two semesters, where you will learn to apply differential and integral calculus to solve problems with the following concepts: classical mechanics, Newton's Laws of Motion, work energy and power, systems of particles and linear momentum, circular motion, rotation, oscillations, gravitation, electrostatics, electric circuits, conductors, capacitors, dielectrics, magnetic fields, and electromagnetism. Calculus completion is required. Previous physics exposure is a plus but not required.
AP Chemistry <i>*This is a college level course</i>	40.0530010	1.0	11-12	See FCS placement guidelines	Atomic theory, structure of matter, bonding, gases, stoichiometry, liquids, solids, solutions, equilibrium, kinetics, thermodynamics, reaction types, nuclear, organic, and qualitative analysis.
AP Biology <i>*This is a college level course</i>	26.0140010	1.0	11-12	See FCS placement guidelines	This course provides an in-depth look at applications of knowledge in the areas of Cells, Genetics, Gene Expression and Regulation, Natural Selection, and Ecology.
AP Environmental Science <i>*This is a college level course</i>	26.0620010	1.0	11-12 11 th grade students with interest in the environment who have successfully completed Biology and Chemistry are strong candidates for this course	See FCS placement guidelines We recommend: 85+ in Chemistry or 80+ in Chem Honors AND 90+ in Biology or 85+ in Bio Honors	The course emphasizes the comprehension of the interrelatedness of the natural systems and processes that keep our planet functioning and how human activities alter the dynamics of these systems. Ultimately, the underlying focus will always lead to sustainability and a better understanding of how we can live with our planet, not just on it. Key themes include the living world, earth systems, sustainability, resource use, population growth, pollution, and global change. Scientific principles, concepts, and methodologies will be utilized to understand the interrelationships of the natural world, identify, and analyze environmental problems, examine and evaluate relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Through various laboratory work and field investigations, students will learn methods for analyzing and interpreting information, experimental data, and mathematical calculations. Students will be required to collect data, apply mathematical analysis and interpretation, and data interpretation.
AP Research	35.9010000	1.0	12	AP Seminar	AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to

				AP Seminar Teacher Recommendation	<p>address a research question. Through this inquiry, they further the skills acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information.</p> <p>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 an oral defense.</p>
Forensic Science	40.0930000	1.0	11-12	80+ in Biology or 75+ in Biology Honors	The Forensic Science curriculum is designed to build upon science concepts and apply science to investigating crime scenes. Students will learn the scientific protocols for analyzing a crime scene, how to use chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence, and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence.
Astronomy	40.0210000	1.0	11-12	See FCS placement guidelines	Exploration of astronomy encompasses a diverse range of topics, delving into measurements and celestial motion, celestial timekeeping, lunar phenomena, the solar system, stellar bodies and constellations, galaxies, and many other celestial wonders.
Human Anatomy & Physiology	26.0730000	1.0	11-12	See FCS placement guidelines	Science process and research skills, body organization, skeletal system, muscular and nervous systems, endocrine system, reproductive and urinary systems, circulatory and respiratory systems, digestive and integumentary system.
Human Anatomy & Physiology Honors	26.0730040	1.0	11-12	See FCS placement guidelines	Science process and research skills, body organization, skeletal system, muscular and nervous systems, endocrine system, reproductive and urinary systems, circulatory and respiratory systems, digestive and integumentary system.
Zoology	26.0710000	1.0	11-12	See FCS placement guidelines	Study critical features of the major body plans that have evolved in animals and how those body plans have changed over time, resulting in the diversity of animals that are evident today. In addition to classification and recognition, this course teaches students about animals' anatomical and physiological characteristics.

Social Studies
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Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
World History	45.0830000	1.0	10	None	Ancient civilizations, Classical civilizations, global religions, the Medieval World, the Age of Exploration, Enlightenment, French Revolution, decline of colonial empires in America, Industrial Revolution, Nationalism and Imperialism, Totalitarianism, WWI, WWII, and the Modern World.
AP World History <i>*This is a college level course</i>	45.0811010	1.0	10	See FCS placement guidelines	The evolution of global processes and contacts in interaction with different types of human societies; the nature of changes in Marcos Internacionales and their causes and consequences, as well as comparisons among major societies Concurrent 10th Lit/Composition Honors enrollment is strongly encouraged as this course has extensive essay composition requirements.
U. S. History	45.0810000	1.0	11	None	Colonization, the Revolutionary and Colonial eras, Manifest Destiny, Civil War and Reconstruction, Urbanization and Industrialism, Progressive Era, Imperialism, WWI & WWII, the Cold War, Vietnam, and the Decades of 1950 – 2000
AP U.S. History <i>*This is a college level course</i>	45.0820010	1.0	11	See FCS placement guidelines	Multicultural heritage, colonial period, American Revolution, Jacksonian Democracy and sectionalism, Civil War and Reconstruction, Triumph of the American Nation, Gilded Age, Progressivism and immigration, Great Depression and New Deal, Labor movement, Civil Rights and women's movement, World Wars I and II, Cold War, and New World Order Concurrent enrollment in honors-level Lit/Composition is strongly encouraged.
American Government & Civics	45.0570001	0.5012	12	None	Political philosophies that influenced the foundations of U.S. government and why countries develop different forms of government globally; U.S. constitutional principles and the branches of government; and factors influencing the political process. Students will construct and evaluate arguments, use documents and other primary source data to analyze points of view, understand and interpret information, and write document-based and comparative analysis essays.
AP U.S. Gov. & Politics (2nd semester Only) <i>*This is a college level course</i>	45.0520001	0.5	12	85+ average in previous AP Social Studies course	Elections, political parties, policymaking, government. Institutions (such as the Presidency, the legislature, and the courts), civil liberties, and globalization.
AP Comparative Gov. & Politics (1st semester Only) <i>*This is a college level course</i>	45.0530001	0.5	12	90+ average in previous on-level Social Studies course Teacher Recommendation	The fundamental concepts used to study the processes and outcomes of politics in different countries. Global political and economic changes. Politics in six other countries: China, Great Britain, Iran, Mexico, Nigeria, and Russia. <i>Note: This elective course does not fulfill the graduation requirement. It can be combined with Gov't & Politics to become a year-long course.</i>

Economics	45.0610001	0.5	12	None	Supply and demand, market forces, money, banking and capital, organization of natural resources, the national economy, and global interdependence.
AP Microeconomics (1st Semester Only) <i>*This is a college level course</i>	45.0630011	0.5	12	See FCS placement guidelines	Basic economic concepts; introduction to international economics; introduction to macroeconomics; in-depth study of the nature and functions of product markets (consumer behavior, market costs), Theory of the firm (optimal production and pricing), and Resource Markets (wages and profits)
AP Macroeconomics (2nd Semester Only) <i>*This is a college level course</i>	45.0620011	0.5	12		In-depth study of national economies, including creating money by commercial banks, growth measurements, unemployment, inflation, fiscal & monetary policy, and aggregate supply and demand. <i>NOTE: Both semester courses fulfill the Economics graduation requirement.</i>
AP Human Geography <i>*This is a college level course</i>	45.0770010	1.0	9	See FCS placement guidelines	Systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth's surface. Students will examine the social organization, environmental consequences, & tools geographers use in their science and practice. This class will help to strengthen the geographic knowledge & skills necessary to understand the roles, responsibilities, and relationships of people & places throughout the world – past, present, and future. Concurrent enrollment in honors-level Lit/Composition is strongly encouraged.
Constitutional Theory	45.0550001	0.5	11-12	None	This course examines the U.S. Constitution and the American legal system. We will discuss the Constitution and the judicial system by emphasizing Supreme Court cases, civil law, criminal law, and individual Constitutional rights. Supreme Court case briefs, moot courts and mock trials, guest speakers, podcasts, videos, readings, and class discussions will facilitate our <u>understanding of the government and law.</u>
Current Issues	45.0120001	0.5	9-12	None	Analyze & discuss Current Issues in the news through various class activities and projects. Main areas of study include but are not limited to International Affairs, Domestic Affairs, Technology, & the Environment. Students will also work to improve presentation skills in anticipation of future post-secondary opportunities.
Sociology	45.0310001	0.5	9-12	None	Subcultures; group behavior, social issues; environment and technology; homeless and unemployment; responsibility of dissent; drug abuse and American culture; social response to poverty; prejudice and discrimination; crime and deviance in American culture.
U. S. History in Film	45.0812001	0.5	11-12	None	The production, distribution, exhibition, and audience and critical viewings of fictional films will be investigated to evaluate their roles as historical evidence fully. A primary goal of this course is determining what is valid in contemporary movies and historical dramas and what these films say about the people who create them, the politics behind their creation, and how they reflect the values, ideas, and more significant historical issues of the times in which they were made. Students in this course will: <ol style="list-style-type: none"> 1. View movies on various topics. 2. Participate in inner/outer Socratic seminar discussions. 3. Write essays comparing film evidence to information from more traditional sources, such as articles, textbooks, and critical commentaries.

Psychology	45.0150001	0.5	9-12	None	This semester-long course will cover some essential components of the field of psychology, including social psychology, fundamental neuroscience, learning and conditioning, memory, motivation, and psychological disorders and treatment. We will study classic experiments and psychologists who influenced this exciting field. You will learn about yourself and how to influence others.
AP Psychology <i>*This is a college level course</i>	45.0160010	1.0	12	85+ average in previous AP Social Studies course 90+ average in previous on-level Social Studies course Teacher Recommendation	Development, behavior, personality, sensation, perception, learning, cognition, motivations, emotions, testing, abnormalities.
AP African American Studies	45.019140	1.0	12		AP African American Studies is an interdisciplinary course that examines the diversity of African American experiences through direct encounters with rich and varied sources. Students explore key topics that extend from early African kingdoms to the ongoing challenges and achievements of the contemporary moment.

Talented and Gifted (TAG)
Contact Person: Laura Kouns
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TALENTED AND GIFTED (TAG)					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
Directed Study	70.2320001 (semester 1)	0.5	10-12	Approval of TAG teacher	Directed Studies may be taken in all academic areas. Student and teacher will write a curriculum contract that lists goals, objectives, and requirements for assessment for an in-depth study of the student's topic of interest.
	70.2320002 (semester 2)	0.5	10-12	Students must have a signed Directed Study approval form. Please obtain the form from the TAG Office.	
Gifted Career Internship	70.2210001 (semester 1)	0.5	11-12	Approval of TAG teacher	Students are matched with professionals in a student-selected field they are considering for a career. They can apply classroom learning in an active workplace while gaining experience and insight into the professional world. Students will leave the school for one class period a day. The Internship will be one of their regular elective courses during the semester.
	70.2210002 (semester 2)	0.5	11-12	TAG Seminar "Hire Me"	

World Languages

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World Languages					
Course Title	Course #	Credit	Grade(s)	Prerequisite(s)	Major Topics
French 1	60.0110000	1.0	9-12	None	Sound systems, French alphabet, familiar words and phrases, greetings, family and friends, numbers and time, dates, weather/seasons, food/meals, city life, shopping, leisure, and culture.
French 2	60.0120000	1.0	9-12	French 1	Leisure activities, weather, numbers, celebrations, clothing, shopping, holidays, vacations, house and home, household chores, and culture.
French 2 Honors	60.0120040	1.0	9-12	See FCS placement guidelines	In-depth study of all topics in French 2 with more emphasis on listening and speaking proficiency and additional supplemental reading and writing.
French 3	60.0130000	1.0	9-12	French 2	Daily routines, family relations, history, geography, travel, accommodations, festivals, leisure time, food, current events, careers, aspects of art and literature.
French 3 Honors	60.0130040	1.0	9-12	See FCS placement guidelines	In-depth study of all topics in French III; social situations, foreign travel, opinions and feelings, aesthetic pursuits.
French 4	60.0140000	1.0	10-12	French 3	Listening, speaking, and writing skills developed through contemporary cultural and conversational dialogues, skits, presentations, and discussions.
French 4 Honors	60.0140040	1.0	10-12	See FCS placement guidelines	Pre-AP course emphasizing listening comprehension, speaking proficiency, vocabulary development and writing skills.
AP French Language <i>*This is a college level course</i>	60.0170010	1.0	11-12	See FCS placement guidelines	College level course. Study of the contemporary and historical francophone world based on 6 Global Themes. Students integrate language, content, and culture to develop speaking, listening, reading, and writing communication skills. Entire class is in French
French 5	60.0150000	1.0	11-12	French 4H or AP French	The level 5 course focuses on the four language skills of understanding, speaking, reading, and writing based on culturally relevant themes. The course includes study of literature, history, film, contemporary topics, and personalized study designed to prepare students for college-level courses including AP.
Spanish 1	60.0710000	1.0	9-12	None	Numbers, weather, colors, celebrations, family, routines, self, school, clothing, shopping, food, transportation, body parts, health/emotions, animals, leisure time, sports, geography.
Spanish 2	60.0720000	1.0	9-12	Spanish I	Greetings and introductions, conversational starters, food/meals, celebrations, beach activities, leisure time, travel, and Spanish culture.
Spanish 2 Honors	60.0720040	1.0	9-12	See FCS placement guidelines	In-depth study of all topics in Spanish 2 with more emphasis on listening and speaking proficiency and additional supplemental reading and writing.
Spanish 3	60.0730000	1.0	9-12	Spanish 2	Vacations and hobbies, health and diet, urban life and culture/music, geography and politics/citizenship, clothing and celebrations, occupations, job search/interviews, Latin American and Spanish culture.
Spanish 3 Honors	60.0730040	1.0	9-12	See FCS placement guidelines	In-depth study of all topics in Spanish 3 with emphasis on listening and speaking proficiency and additional supplemental reading selections.
Spanish 4	60.0740000	1.0	10-12	Spanish 3	Listening, speaking, and writing skills developed through contemporary cultural and conversational dialogues, skits, presentations, and discussions.

Spanish 4 Honors	60.0740040	1.0	10-12	See FCS placement guidelines	Pre-AP course emphasizing listening comprehension, speaking proficiency, vocabulary development and writing skills.
AP Spanish Language <i>*This is a college level course</i>	60.0770010	1.0	11-12	See FCS placement guidelines	College level course. Study of the Spanish speaking world based on six global themes. Students integrate language, content, and culture to develop speaking, listening, reading, and writing communication skills. Entire class is in Spanish.
Spanish 5	60.0750000	1.0	11-12	Spanish 4H	The level 5 course focuses on the four language skills of understanding, speaking, reading, and writing based on culturally relevant themes. The course includes study of literature, history, film, contemporary topics, and personalized study designed to prepare students for college-level courses including AP.
Japanese 1	62.0310000	1.0	9-12	None	Introduction to writing system, greetings, numbers, calendar, classroom instructions, family member, food, and drink, likes and dislikes, hobbies, invitations and suggestions, daily/weekend activities.
Japanese 2	62.0320000	1.0	9-12	Japanese 1	School subjects, wellness, shopping, lunch time, school rules, driving.
Japanese 2 Honors	62.0320040	1.0	9-12	See FCS placement guidelines	In-depth study of all topics in Japanese 2 with greater emphasis on additional vocabulary and speaking/writing skills.
Japanese 3	62.0330000	1.0	10-12	Japanese 2	Restaurants, wellness, holidays, jobs, sports, giving directions, Japanese cooking, and folktales.
Japanese 3 Honors	62.0330040	1.0	10-12	See FCS placement guidelines	In-depth study of all topics in Japanese 3 with heavy emphasis on additional vocabulary and speaking/writing skills.
Japanese 4 Honors	62.0340040	1.0	11-12	See FCS placement guidelines	Study abroad including exposure to Japanese language, home life, foods, entertainment. Travel to Tokyo, Hiroshima, Nagasaki, and Okinawa.
AP Japanese <i>*This is a college level course</i>	62.0390000	1.0	12	See FCS placement guidelines	College level course. Study of the contemporary and historical Japanese world based on six global themes. Students integrate language, content, and culture to develop speaking, listening, reading, and writing communications skills. Entire class is in Japanese.
German 1	61.0110000	1.0	9-12	None	Numbers, weather, colors, celebrations, family, routines, self, school, clothing, shopping, food, transportation, body parts, health/emotions, animals, leisure time, sports, geography
German 2	61.0120000	1.0	9-12	German 1	School and daily routines, clothing, travel, shopping, weather, transportation, holidays, and vacation.
German 2 Honors	61.0120040	1.0	9-12	See FCS placement guidelines	In depth study of topics of German 2 with greater emphasis on listening, speaking, and writing proficiency, including supplemental and enrichment activities.
German 3	61.0130000	1.0	9-12	German 2	Health, fitness, leisure, relationships, goals and expectations, future, and travel.
German 3 Honors	61.0130040	1.0	9-12	See FCS placement guidelines	A more in-depth study of topics of German 3 with more emphasis on listening, speaking, and writing proficiency.
German 4	61.0140000	1.0	10-12	German 3	Listening, speaking, and writing skills developed through cultural topics and conversational dialogues, projects, presentations, and discussions.
German 4 Honors	61.0140040	1.0	10-12	See FCS placement guidelines	A more in-depth study of topics of German 4 with greater enrichment in reading and writing skills.
AP German Language <i>*This is a college level course</i>	61.0170010	1.0	11-12	See FCS placement guidelines	Study of the German speaking world based on six global themes. Students integrate language, content, and culture to develop speaking, listening, reading, and writing communication skills. Entire class is in German.
German 5	61.0150000	1.0	11-12	German 4H or AP German	The level 5 course focuses on the four language skills of understanding, speaking, reading, and writing based on culturally relevant themes. The course includes study of literature, history, film, contemporary topics, and personalized study designed to prepare students for college-level courses including AP.

