

# **Rittman High School 2025-2026 Course Scheduling Information**

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Health and Physical Education.....	12-13

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Art .....	13-15
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## **REQUIREMENTS FOR GRADUATION**

### **I. Curriculum**

English	4 credits	
Mathematics	4 credits	<i>~must include 1 unit of algebra 2 or the equivalent of algebra 2</i>
Science	3 credits	<i>~must include 1 unit of physical sciences, 1 unit of life sciences and 1 unit advanced study in one or more of the following sciences: chemistry, physics, or other physical science; advanced biology or other life science; astronomy, physical geology, or other earth or space science</i>
Social studies	3 credits	<i>~must include 1 unit of world history, 1 unit of American history and 1 unit of American government (financial literacy completed within government course).</i>
Health	½ credit	
Physical Ed	½ credit	
Electives	6 credits	
Fine Arts		<i>~must complete at least two semesters of fine arts (i.e. art, band, choir) taken any time during grades 9-12. Students following a career-technical pathway are exempt from the fine arts requirement</i>

*Students must also receive instruction in economics and financial literacy.*

**Total Credits 21 credits**

*\*\*Starting with the class of 2026, a ½ credit standalone Financial Literacy course will be required.*

### **II. Demonstrate Competency**

Class of 2023 and beyond – competency score on Algebra and English II end-of-course exam. Alternatives are available for students not meeting competency.

### **III. Show Readiness**

Class of 2023 and beyond – earn at least 2 of 12 diploma seals (at least one of which is a State seal):

- OhioMeansJobs Readiness, Biliteracy, Industry-Recognized Credential, College Ready, Military Enlistment, Citizenship, Science, Honors Diploma, Technology, Student Engagement, Fine & Performing Arts, and Community Service.
- Requirements for each seal will be communicated at orientation, student and parent meetings.

## **Academic Honors Diploma**

Students must meet all but one requirement to be eligible for the honors diploma. Each of these criteria go beyond the standard requirements for a diploma. Students must meet general graduation requirements and meet the requirements below to qualify for honors.

- a. Four (4) units of **mathematics** including Algebra 1, Geometry, Algebra 2. Fourth math must be > Algebra 2.
- b. Four (4) units of **science** with laboratory experiences, including two units of advanced science. They must align with grades 11/12 standards or above or entry-level college courses.
- c. Four (4) units of **social studies**
- d. Three (3) units of one world foreign language, or no less than 2 units of each of two world languages studied. Courses must be sequential and proficiency based to fulfill the honors requirement.
- e. 3.5 GPA on a 4.0 scale
- f. Obtain a composite score of 27 or higher on the ACT tests or a 1280 or higher on the SAT (exclude the writing scores)
- g. Earn two additional diploma seals not including the Honors Diploma Seal
- h. Field experience & portfolio, OhioMeansJobs Readiness Seal\* or work-based learning

*\*Students can use the OMJ Readiness Seal in 2 additional seals requirement if it is not used in Experiential learning.*

For more information on other Honors Diploma options, please select the appropriate link.

- **[Career Technical Honors Diploma](#)**
- **[Arts Honors Diploma](#)**
- **[Social Science & Civic Engagement Honors Diploma](#)**
- **[STEM Honors Diploma](#)**

- ***International Baccalaureate Honors Diploma***

## **Schedule Change Procedures**

Scheduling is an extremely important process and careful consideration must be devoted to course selection. Students and parents should work with the guidance counselor to develop schedules that meet individual student needs as well as state and local graduation requirements.

To balance class size, provide sufficient staff material resources, stabilize student schedules, and maintain an appropriate educational atmosphere, **schedule changes must be minimized**. However, it is understood that some changes are necessary.

**ALL REQUESTS for schedule changes will be governed by the following guidelines for the 2023-2024 school year.**

1. Students will receive a verification of registered courses by the end of May.
2. Students will have until **June 1, 2023** for a "Change of Mind" schedule change. Review both first and second semester.
3. **After June 1, only** the following changes will be allowed during the first ten (10) days of school and the first three (3) days of the second semester.
  - a. Upgrading your schedule – adding a class in place of a study hall
  - b. Dropping a class because of "no" study hall
  - c. Level change – Teacher recommendation is needed  
(Example: Honors Geometry to Geometry; Foreign Language level adjustment)
  - d. A sound educational reason as evaluated by the guidance counselor and/or principal

**The following scheduling procedures also apply:**

1. Dropping the course 10 days after the beginning of the course will result in a "WF" for the course. The exception to this is approved level changes. In either case, permission to drop must be approved by the parent(s), teacher, guidance counselor and/or principal.
2. The student is allowed a maximum of one study hall per year.

## **Petition for Course Upgrade**

Teachers will be given a list of current students who are requesting an Honors course for the next year/level, and they will be asked for their recommendation of all requesting students. **Parents are encouraged to log in to ProgressBook to look at student's current and past grades and performance (homework completion, test success, etc.) to determine whether or not their student should enroll in an Honors course.**

Students may petition to take a course that has not been recommended; however, please be aware that "*not recommended*" means that the present teacher feels the student will have difficulty with the selected course at this time. The student and his/her parent or guardian will be required to agree to the conditions of and sign a "Petition for a Course Upgrade". This form is available in the guidance office and **should be completed during the scheduling process in February. It must be completed before June 1.**

## **Repeating a Course**

A student may repeat a course with a grade change as long as the following criteria are met.

1. Course failures do not fall under this policy.
2. The student received a C or D in the course.
3. Student must receive approval from the teacher of the initial course, the guidance counselor and/or principal
4. Student and his/her parent(s) must sign a form authorizing removal of the initial course from the student's academic history. Therefore, **the student must pass the class the second time in order to obtain the credit, and the new grade will be recorded for that course.**
5. Dropping of the new class will not be permitted.
6. This process may be initiated during scheduling for the following year, or once the student begins the next level of a course and the teacher, student and parent believe that it would be advisable for the student to repeat the previous level.

In addition to the criteria for repeating a course with a grade change, a student retaking a course online with a grade change must **also** meet the following criteria:

1. The student and the course must be preapproved by the guidance counselor or principal. The school chooses the online provider.
2. The student must retake the entire class. They cannot test out of any sections of the course.
3. A grade will be issued upon completion of the course using the regular A-F grading scale, as adopted by RHS.
4. The student can only retake one course at a time.
5. The student will have from the date of online enrollment until the last day of the school year to complete the class.
6. If the student does not complete the class, their prior grade stands and they cannot retake the course again.

## **Course Credit and Grade Point Average**

The student receives credit for the course when the course is successfully completed (final passing grade).

A student's GPA is calculated each nine weeks and also at the end of each semester.

- Each **nine weeks GPA** is used for **Honor Roll recognition and also for athletic eligibility**. The nine weeks GPA is dependent only on the grades from the nine weeks session being considered (it is not cumulative).
- The student's **cumulative GPA** is calculated on the **semester grades** and is updated at the end of every semester. All semester grades, from each grade level, are used in the calculation. **The cumulative GPA is reported on the high school transcript and to colleges. It also determines the ranking of students in each graduating class.**

## **Career and College Readiness**

*(The ACT is a national college admissions examination that consists of subject area tests in: English, Mathematics, Reading, and Science)*

As juniors, all students will have the opportunity to take the ACT. At this time, the ACT scores are not directly tied to graduation, but they will be reported on the students' transcripts and can be used for college admissions.

The reports from these examinations contain a lot of information about the students' skills, interests, plans and goals. They give students an early indication of their educational progress in view of the educational and career options they are considering after high school. **Students and parents are encouraged to use these reports in choosing their courses**, to build on their strengths and to gain knowledge and understanding in their areas of weakness.

## **Athletic Eligibility**

### ***Ohio High School Athletic Association Rules:***

**Grades 9 – 12**, in order to be eligible to participate in athletics the student must currently be enrolled and must have been enrolled in school the preceding grading period. During the preceding grading period, the student must have received **passing grades in a minimum of five (5) credits**, which count towards graduation. In addition, students must attain a **1.0 Grade Point Average for the nine weeks** based on passing five (5) core related subjects. **Physical Education does not count towards one full credit of eligibility.**

Semester exams and semester grades are not considered for eligibility, only individual grading periods.

**Students entering 9<sup>th</sup> grade:** A student enrolled in the first grading period after advancement from the 8th grade **must have passed 5 graded courses** of which the student was enrolled during the fourth grading period of 8th grade.

### *Students participating in College Credit Plus*

Student athletes enrolled in the College Credit Plus program must be certain to take enough course work at the post-secondary institution exclusively or between the post-secondary institution and the high school combined to be equivalent to five one-credit courses. Calculating equivalency of credits in the post-secondary institution is conducted

in the same manner as high school, based on Carnegie unit. College courses for which three or more semester hours of credit are earned shall be awarded one Carnegie unit. Fractional Carnegie units will be awarded proportionately. Credit equivalency must equal at least 5 units to be eligible to participate. The OHSAA's website is [www.ohsaa.org](http://www.ohsaa.org)

**NCAA Eligibility Center Requirements:**

If a student thinks that he/she may have the opportunity to play Division I or II athletics at the college level, he/she must be registered with the NCAA Eligibility Center and meet the NCAA academic requirements such as a **grade point average of 2.3**. To register with the Eligibility Center and to access initial-eligibility requirements, go to [www.eligibilitycenter.org](http://www.eligibilitycenter.org). A student should seek this initial certification during his/her junior year. The NCAA Eligibility Center requires high school student athletes to complete specific college prep core courses, maintain a specific GPA in those core courses, and achieve specific ACT scores to be eligible. A student-athlete needs to be aware of these guidelines and should consider them throughout high school to ensure eligibility should he/she be given the opportunity to participate in Division I or II college athletics. Be aware that core courses completed ONLINE may not be recognized by NCAA.

**Career Center**

Students have the option of applying during their sophomore year to attend the career center. The applications will be available after a school visit in November. Students applying to the Wayne County Schools Career Center for "regular" status should have earned a **minimum** of the following credits by the end of their sophomore year:

English	2 credits	Social Studies	2 credits	Health	½ credit
Math	2 credits	Science	2 credits	Phys Ed	½ credit

**College Credit Plus (CPP)**

Ohio's College Credit Plus Act allows all students to enroll full or part-time at approved public colleges, universities, or technical schools. If interested, students and parents should attend the College Credit Options Meeting in late September. **By April 1<sup>st</sup>, the student and their parent(s) must inform the high school of their intent to participate** in the program during the coming school year by signing/turning in the Intent to Participate form located on the guidance website. Colleges establish their own admissions requirements and may accept or deny accordingly.

**You must still meet the course requirements of the State Board of Education and the graduation requirements of your school district.** It is important that you talk with your high school counselor to be certain that the college credit courses, which you plan to take, meet the high school requirements and that you will receive the credits you need for high school graduation.

College Academy privileges will be available to qualifying students within the College Credit Plus program. Please refer to the College Academy brochure on the guidance website for specific details. A College Academy meeting is typically held in September/October of each year for those interested in participating. Both a parent and child are required to be in attendance.

College Credit Plus Courses currently being offered at Rittman High School

<u>Course Number</u>	<u>Course Title</u>	<u>Credit Hours</u>
ACC 130	Business Law & Ethics	3
ACC 132	Financial Accounting	4
BUS 121	Business Administration	3
BUS 124	Business Analysis with Algebra	3
BUS 221	Microeconomics	3
BUS 222	Macroeconomics	3
ENT 120	Entrepreneurship	3
ENT 124	Managing Entrepreneurial Growth	3
ENT 225	Global Entrepreneurship	3

IMT 132	Digital Photography	3
MGT 121	Principles of Management	3
MGT 224	Human Resource Management	3
MKT 121	Principles of Marketing	3

The University of Akron:

C1332	English Composition I	3
C1334	English Composition II	3
C1436	Fiction Appreciation	3
C1515	Introduction to Public Speaking	3
C3410	Algebra for Calculus	4
C3421	Precalculus-Trigonometry	4
C3521	Analytic Geometry-Calculus 1	4
C4623	Physics for Life Sciences I*	4
C5420	Government & Politics in the US	3
C5422	US History to 1877	4
C5424	Introduction to Psychology	3
C5426	Empires of the Ancient World	3
C6421	Beginning Spanish I	4
C6422	Beginning Spanish II	4
C7816	Exploring Music: Bach to Rock	3

**\*This course is offered at Orrville HS**

The University of Findlay:

CHEM 111/111L	Basic Chemistry	4
CHEM 130/130L	General Chemistry I	4
CHEM 131/131L	General Chemistry II	4
BIOL 201/201L	Introduction to Anatomy & Physiology	4

**Total College Credits offered: 111**

Please see appendix A for examples of career pathways and college course requirements for the career pathway.

### **Alternative Credit Option**

Credits earned under a regular high school format often carry more rigor and relevance than those taken using an alternative route. Therefore, permission must be granted prior to a student enrolling in an alternative course offering (i.e. summer school, virtual/online learning, correspondence course, etc). The following conditions will be considered:

- deficiencies need to be made up
- enrichment work is desired
- due to conflicts, a course cannot be scheduled during the regular school day.

Credit flexibility also allows for students to design a learning experience based on academic standards and according to guidelines established by the Board of Education. This may include, but not limited to, testing out, service-based project, educational travel, internships, and blended options. There are additional guidelines, including an application process. See Guidance to initiate the process.

In situations where students need to recover credits, the school's decision may be to not place the student in the same course again. Rather, a credit recovery program may be instituted. Enforced by an agreed upon contract, the student will be able to show proficiency through another means, often an online system. Note: Expenses (fees and supplies) may be the responsibility of the student/parent.

## Course Offerings

### **ENGLISH/LANGUAGE ARTS**

*Four high school credits of English are required for graduation*

#### **1110 English 9**

**full year = 1 credit**

**Grade 9**

Ninth Grade Language Arts prepares students for higher level reading, writing, listening, and speaking. Students will learn to read and respond to a variety of literary genres including short stories, informational / technical readings, non-fiction, fiction and drama. Additional independent reading throughout the year may be required.

#### **1120 Honors English 9**

**full year = 1 credit**

**Grade 9**

**Prerequisite: Teacher recommendation required**

Although much of the subject matter is identical to the General English 9 class, students who clearly excel in the basics will benefit from the Honors English course's faster pace and emphasis on both discussion and independence. Students will also enjoy creative projects and assignments unique only to the Honors course. Summer reading may be required and will be assessed during the first weeks of school. Additional independent reading throughout the year may be required.

#### **1210 English 10**

**full year = 1 credit**

**Grade 10**

In this course students will read representative types of literature, with an emphasis on world literature including fiction, non-fiction, poetry and drama. They will write sentences, paragraphs and essays and complete exercises designed to help master necessary mechanical skills. Students will also work on vocabulary development, as well as listening and speaking skills.

#### **1220 Honors English 10**

**full year = 1 credit**

**Grade 10**

**Prerequisite: Teacher recommendation required**

Although much of the subject matter is identical to the General English 10 class, students who clearly excel in the basics will benefit from the Honors English course's faster pace and emphasis on both discussion and independence. Students will also enjoy creative projects and assignments unique only to the Honors course. Additional independent reading over the summer may be required.

#### **1311 English 11**

**full year = 1 credit**

**Grade 11**

In this course, students will examine the poetry, prose, drama, and other literary traditions of American writers. Students will also respond in writing to what they read, including analytical essays. This course also covers extensive and varied experience in developing writing skills, with practice in expressive, reflective, and argumentative forms of writing. There will be a heavy emphasis on drafting, revising, editing, and reflecting to show growth in the writing process. An emphasis will also be placed on speaking, listening, and collaboration in student organized/directed discussions. Students may read a novel selected by the teacher over the summer in preparation for the first weeks of school.

#### **C1332 English Composition I (CCP)**

**semester = 1 credit**

**Grades 11-12**

**Prerequisite: ACT English subscore of 18**

English Composition I is a course designed to help you develop and expand your college level writing skills. In this course you will be encouraged to become aware of your own skills and needs as a writer as you learn about the strategies for organizing and controlling what you write. Because writers learn to write by writing, you will engage in this activity on a very regular basis. The goal of this course is to help you discover some of the many ways to clearly and effectively express your ideas in writing and, in the process, to become a more confident and competent writer.

#### **C1334 English Composition II (CCP)**

**semester = 1 credit**

**Grades 11-12**

**Prerequisite: Composition I**

English Composition II is a writing course that emphasizes critical thinking. We will continue the primary goal of Composition I—developing your writing skills—by focusing on the construction of logical and well-supported arguments. Reading assignments, class discussion, journaling, and formal papers are important components of this course.

#### **1412 English 12**

**full year = 1 credit**

**Grades 12**

English 12 students will thoroughly examine a variety of genres of literature including poetry, prose, and drama. Students will be expected to critically read selections and learn techniques to further analyze literature. Students will also respond to what they read in reflective and analytical writing and class discussion. There will be an emphasis on

drafting, revising, editing, and reflection to show growth in the writing process. Students will organize and participate in discussions to evaluate speaking, listening, and collaborative skills.

**C1436 Fiction Appreciation (CCP)** semester = 1 credit Grade 12

**Prerequisite: English Composition 1 and 2**

This course will give you the opportunity to read literature written from different cultural perspectives in a variety of forms including short stories, novels, and drama. Class discussion and assignments will develop your ability to read closely, think critically, and write insightfully.

**C1515 Intro to Public Speaking (CCP)** semester = 1 credit Grades 11-12

Principles of communication in speaker-audience, group and informal settings and application of the principles in speeches, group discussions and other oral and written assignments. Cannot be used as credit toward a major in communication.

## **MATHEMATICS**

*Four high school credits required for graduation*

**3120 Honors Algebra 1** full year = 1 credit Grade 8

**Prerequisite: a B- or better in 7<sup>th</sup> grade math & teacher recommendation**

This course introduces basic concepts of Algebra. These include, but are not limited to, solving equations and inequalities, systems of equations, graphing lines, factoring, radical expressions, and the quadratic formula. When students finish this class, they should have the necessary skills to perform adequately in Advanced Algebra.

**3110 Algebra 1** full year = 1 credit Grade 9

This course introduces basic concepts of Algebra. These include, but are not limited to, solving equations and inequalities, systems of equations, graphing lines, factoring, radical expressions, and the quadratic formula. When students finish this class, they should have the necessary skills to perform adequately in the next level of Algebra.

**3210 Geometry** full year = 1 credit Grades 10

**Prerequisite: Algebra 1**

This course introduces students to many geometry concepts, some of which are: plane geometry, solid geometry, proofs (direct and indirect), constructions, and areas. Along with Algebra, the materials in this class should prepare students for the next level of mathematics.

**3220 Honors Geometry** full year = 1 credit Grades 9-10

**Prerequisite: Honors Algebra or a B- or better in Algebra 1 & teacher recommendation**

This course introduces students to many geometry concepts, some of which are: plane geometry, solid geometry, proofs (direct and indirect), constructions, and areas. Along with Algebra, the material in this class should prepare students for the next level of mathematics

**3310 Algebra 2** full year = 1 credit Grade 10-11

**Prerequisite: Algebra 1 and Geometry**

This course will build upon Algebra 1 and Geometry and is designed for juniors (not enrolled in Honors Algebra 2).

This class will include the following topics: Functions, Equations & Graphs, Quadratics, Polynomials, Radical & Rational Functions, Exponential and Logarithmic Functions, Conic Sections, Matrices and Trigonometry.

**3320 Honors Algebra 2** full year = 1 credit Grade 10-11

**Prerequisite: Honors Geometry or an A in Geometry & teacher recommendation**

Algebra 2 is a course that expands on the topics of Algebra 1 and provides further development of the concept of a function. Topics include: (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) data analysis; (5) logarithmic and exponential functions; (6) sequences and series; (7) counting principles and probability; (8) trigonometry.

**3330 Pre-College Mathematics** full year = 1 credit Grade 11-12

**Prerequisite: Algebra 1, Geometry and Algebra 2**

This course is designed to apply skills mastered in Algebra I, Geometry, and Algebra II. The class will emphasize mathematical applications and projects. A special emphasis will be placed upon where and when mathematics is used



and applied, assisting in the transition to college algebra and independent decision making. Functions, financial algebra, and applications of mathematics to business, life, and social sciences will also be explored and analyzed.

**C3410 Algebra for Calculus (CCP) semester = 1 credit Grades 11-12**

**Prerequisite: Honors Algebra 2 & an ACT Math subscore of 21**

This course will cover the following topics: real numbers, equations and inequalities, linear and quadratic functions, exponential and logarithmic functions, systems of equations, matrices, determinants, permutations, and combinations. The purpose of College Algebra is for students to develop skills in algebraic manipulations. Such skills enable students in subsequent math courses or in any other endeavor that may call for the use of these skills.

**3420 Precalculus – Trigonometry full year = 1.0 credit Grades 11-12**

**Prerequisite: Honors Algebra 2**

This course will cover functions, polynomial functions, rational, exponential and logarithmic functions and trigonometric functions. Also covered will be complex numbers, systems of equations, sequences, series, mathematical induction, and the binomial theorem. Knowledge of the topics covered in this course provides the students with the background necessary for them to successfully complete calculus. In addition, it also applies to many other disciplines such as science, computer science, and statistics. A graphing calculator is needed for this class.

**C3421 Precalculus Mathematics (CCP) semester = 1 credit Grades 11-12**

**Prerequisite: a C- or better in Algebra for Calculus or an ACT Math subscore of 24**

This course requires the skills to graphically and algebraically analyze exponential, logarithmic, and trigonometric functions, as well as to solve equations involving them. Other required skill include solving systems of linear equations by matrix methods and determinants; recognizing the graphs and manipulating the equations of the standard conic sections and an introduction to sequences, series, and Mathematical Induction.

**3520 Calculus full year = 1 credit Grade 12**

**Prerequisite: a C- or better in Pre-Calculus – Trigonometry**

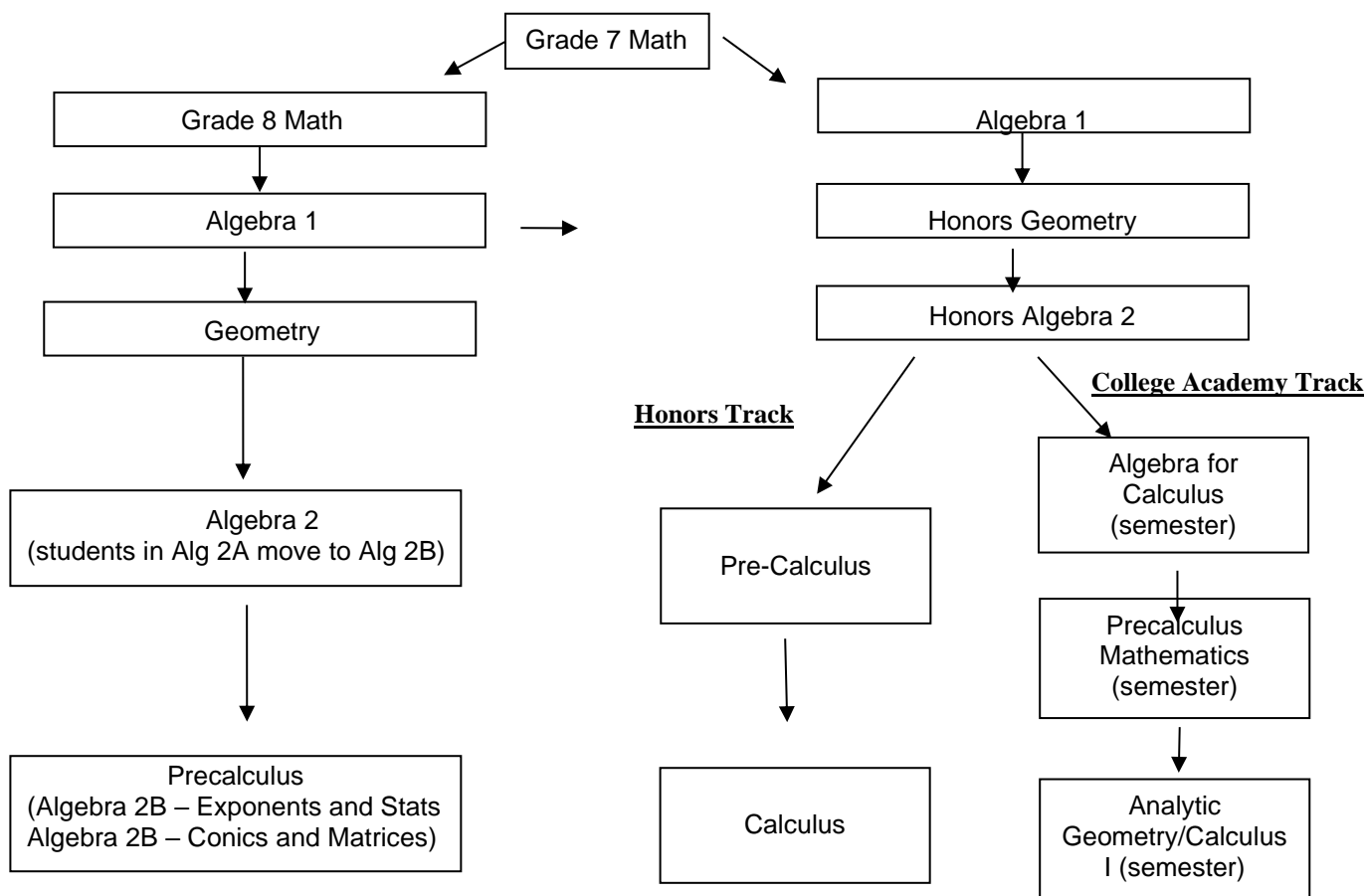
Analytic Geometry/Calculus I introduces important concepts in calculus: limits, derivatives, and integrals. Techniques for evaluating limits, derivatives and integrals are presented and various applications are included. It will develop critical analysis and independent thought and problem-solving ability as well as lay the foundation for subsequent calculus courses. Topics included are the real numbers, analytic geometry, limits, continuity, rates of change, derivatives and applications – algebraic, trigonometric, transcendental functions, curve sketchings, tangent lines, and extremes of functions, Rolle's and the Mean Value Theorem, related rates, anti-derivatives and integration, definite integrals, areas, and volumes.

**C3521 Analytic Geometry-Calculus I (CCP) semester = 1 credit Grade 12**

**Prerequisite: a C- or better in CA Pre-Calculus or an ACT Math subscore of 28**

This course introduces important concepts in calculus: limits, derivatives, and integrals. Techniques for evaluating limits, derivatives and integrals are presented and various applications are included. This course is required for engineering and other science majors, math majors and some education majors. It will develop critical analysis and independent thought and problem-solving ability as well as lay the foundation for subsequent calculus courses. Topics included are the real numbers, analytic geometry, limits, continuity, derivatives, tangent lines, extremes of functions, Rolle's and the Mean Value Theorem, related rates, antiderivatives, definite integrals, areas, and volumes.

## Department of Mathematics Flowchart



Students desiring to move from the regular track to the honors track have the option of taking Honors Geometry and Honors Algebra 2 concurrently with teacher recommendation.

## **SCIENCE**

*Three high school credits of science are required for graduation, but 4 credits are strongly recommended*

### **4110 Physical Science**

**full year = 1 credit**

**Grade 9**

This course, in alignment with Ohio's Learning Standards, comprises a study of the fundamental concepts of matter, energy and waves, forces and motion, and the universe. An emphasis is placed on quantitative understanding using mathematical formulas, manipulations, and graphical representations.

### **4120 Honors Physical Science**

**full year = 1 credit**

**Grade 9**

**Prerequisite: a B+ or better in 8<sup>th</sup> grade Science & Algebra I recommended or teacher recommendation**

This course provides an accelerated, more independent and in-depth study of Physical Science. A year of Algebra is strongly recommended.

### **4210 Biology**

**full year = 1 credit**

**Grade 10**

This course, in alignment with Ohio's Learning Standards, investigates fundamental concepts of cells, heredity, evolution, and the diversity and interdependence of life.

### **4220 Honors Biology**

**full year = 1 credit**

**Grade 10**

**Prerequisite: a B- or better in Physical Science and teacher recommendation**

This course provides an accelerated, more independent and in-depth study of Biology.

- 4620 Anatomy and Physiology** full year = 1 credit Grades 11-12  
**Prerequisite: a B- or better in Biology**  
 The course provides an introduction to the structure and working of the human body with emphasis on how structure makes function possible and disruption in either leads to disease.
- 4626 Environmental Science** full year = 1 credit Grades 11-12  
 This course introduces students to key concepts, principles, and theories within biology, chemistry, physics, and physical geology. Investigations are used to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills, and real-world applications.
- 4627 Chemistry** full year = 1 credit Grades 11-12  
**Prerequisite: a B- or better in Algebra & science with teacher recommendation**  
 This course, in alignment with Ohio's Learning Standards, includes a study of the structure and properties of matter and the interactions of matter. This is an advanced science course with an emphasis on mathematical problem solving in chemistry.
- 4628 Forensic Science** full year = 1 credit Grades 11-12  
 Forensic science is a multidisciplinary course that includes concepts in anatomy, chemistry, zoology, genetics, physics, medicine, mathematics, and social sciences. Real life scenarios are used to guide inquiry based investigations in order to solve crimes and explain crime scenes. This course is designed to engage students in thought-provoking strategies that can be applied to new situations. This is an active learning course designed around hands-on experiences.
- BIOL 201 Introduction to Anatomy & Physiology (CCP)** semester = 1 credit Grades 11-12  
 This course offers an introduction to the structure and working of the human body with emphasis on how structure makes function possible and disruptions in either leads to disease. Special emphasis will be placed on the musculoskeletal, nervous, cardiovascular, and respiratory systems.
- BIOL 201L Introduction to Anatomy & Physiology LAB (CCP)** semester = .33 credit Grades 11-12  
 Co-requisite: Concurrent with Introduction to Anatomy and Physiology.
- CHEM 111 Basic Chemistry/Lecture (CCP)** semester = 1 credit Grades 11-12  
 This course covers basic principles of chemistry designed to give a foundation for the various sciences. Topics include methods of measurement, temperature and heat, atomic structure, bonding, chemical nomenclature, chemical equations, stoichiometry, solutions, acids and bases, and chemical equilibrium.
- CHEML 111L Basic Chemistry/LAB (CCP)** semester = .33 credit Grades 11-12  
 Co-requisite: Concurrent with Basic Chemistry/Lecture
- CHEM 130 General Chemistry I /Lecture (CCP)** semester = 1 credit Grades 11-12  
**Prerequisite: a C or better in Basic Chemistry or an ACT combined score of 52 or higher on math and science**  
 This course covers general principles of chemistry with emphasis on atomic structure and behavior, mole concept, stoichiometric calculations, quantum theory, chemical bonding, gases, and liquids.
- CHEM 130L General Chemistry I /LAB (CCP)** semester = .33 credit Grades 11-12  
 Co-requisite: Concurrent with General Chemistry I/Lecture
- CHEM 131 General Chemistry II/Lecture (CCP)** semester = 1 credit Grade 12  
**Prerequisite: a C or better in General Chemistry I**  
 This course studies general principles of chemistry with emphasis on behavior of solutions, equilibrium, thermodynamics, chemical kinetics, acid-base, precipitation, and oxidation-reduction reactions.
- CHEM 131L General Chemistry II/LAB (CCP)** semester = .33 credit Grade 12  
 Co-requisite: Concurrent with General Chemistry II/Lecture
- C4623 Physics for Life Sciences I (CCP)** semester = 1 credit Grade 12  
**Prerequisite: College Algebra or Honors Algebra 2**  
 Introductory course for professional work in biology and health professions and services. Emphasizes life science applications. Mechanics: laws of motion, force, torque, work, energy, power; properties of matter: gases, liquids, solids, fluid mechanics. Includes laboratory activities.  
 \*Class meets at Orrville High School

**C4625 Physics for Life Sciences II (CCP)      semester = 1 credit      Grade 12**

**Prerequisite: Physics for Life Sciences I**

Laws of thermodynamics, kinetic theory. Wave phenomena: sound, light, optics; electricity and magnetism; atomic and nuclear physics; radioactivity. Includes laboratory activities.

\*Class meets at Orrville High School

## **SOCIAL STUDIES**

*Three high school credits of social studies are required for graduation  
(World History, American History and Government)*

**5110 Modern World History      full year = 1 credit      Grade 9**

Modern World History examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that lead to world domination by European powers, the wars that changed empires, the ideas that led to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

**5120 Honors Modern World History      full year = 1 credit      Grade 9**

**Pre-requisite: a B- or better in 8<sup>th</sup> grade Social Studies & teacher recommendation**

Same content as Modern World History, but students are expected to be able to work independently as well as collaboratively in and out of class to fulfill course requirements.

**5111 World Geography      semester = ½ credit      Grades 9-10**

This course builds on students' understanding of geography and spatial thinking. Contemporary issues are explored through the lens of geography. In addition to understanding where physical and cultural features are located and why those features are located as they are, students examine the implications of these spatial arrangements.

**5210 American History      full year = 1 credit      Grade 10**

This course examines the history of the United States of America from 1877 to the present.

Students will examine how the episodes of the past have shaped the nature of our country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. This year will continue to build historical thinking skills introduced in earlier grades and analyze primary and secondary sources from multiple perspectives to draw conclusions.

**5220 Honors American History      full year = 1 credit      Grade 10**

**Pre-requisite: a B- or better in World History & teacher recommendation**

Similar content as American History, but more independent and critical thinking is expected. Projects for in-depth study will require more outside reading and research

**5414 Government      full year = 1 credit      Grades 11**

How the American people govern themselves at national, state and local levels of government is the basis for this course. The financial literacy requirement for graduation is also addressed in this course.

**C5420 Government & Politics in the US (CCP)      semester = 1 credit      Grades 11-12**

Students desiring to enter a college or university upon graduation are encouraged to take this course as it fulfills a part of the general education requirement at most colleges and universities. This course examines the American political system with an emphasis on fundamental principles, ideas, institutions, and processes of modern government. This will likely be a hybrid course. Course material will be presented in both synchronous and asynchronous formats which will include lecture, activities, online discussion forums, research, book studies, etc. Outside reading and extensive writing are required in this course. ***\*Students taking this course will have to fulfill the financial literacy requirement for graduation by completing the coursework independently online.***

**C5422 U.S. History to 1877 (CCP)      semester = 1 credit      Grades 11-12**

This course is a historical survey of the United States encompassing its discovery, colonization, fight for independence, formation of government, beginnings of industrialism, and the Civil War and Reconstruction. This may be a hybrid course. Course material will be presented in both synchronous and asynchronous formats which will include lecture, activities, online discussion forums, research, book studies, etc. Outside reading and extensive writing are required in this course.

**C5424 Introduction to Psychology (CCP) semester = 1 credit Grades 11-12**  
Introduction to scientific study of behavior, survey of physiological basis of behavior, sensation and perception, development, learning and cognition, personality, social interaction and other selected topics.

**C5426 Empires of the Ancient World (CCP) semester = 1 credit Grades 11-12**  
This course will apply a global lens to the rise and fall of the world's earliest civilizations and empires across Eurasia. Students will explore global encounters and parallel development from the ancient civilizations of the Fertile Crescent and Egypt, through the rise of Mediterranean and Asiatic empires, culminating in the expansion of Islam and the Mongol conquests. Special consideration will be placed on the roles of the Silk Road global history as a means of economic connection and a tool of cultural diffusion. Topics will include the growth of urban trade centers, the spread of religious and philosophical ideas, and the role of large state structures in world history.

**When selecting courses from below, choose alternates because all may not be offered every year:**

**5411 Sociology semester = ½ credit Grades 11-12**  
The course includes the study of the investigative techniques of sociology terminology, group behavior, class structure, social institutions, the individual in society and social problems. This course provides a good introduction to sociology for students anticipating taking social science courses in college.

**5412 Psychology semester = ½ credit Grades 11-12**  
Course topics: psychological aspects; such as, the history of psychology, developmental psychology, physiological processes, sensation and perception, learning memory, motivation, emotions, personality, mental and behavioral disorders are incorporated. This course is recommended for students anticipating taking one or more psychology courses in college.

**5413 Contemporary World: Then and Now semester = ½ credit Grades 11-12**  
This semester class examines the dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include: competing beliefs and goals; methods of engagement; and conflict and cooperation. We will discuss how contemporary issues have political, economic, social, historic and geographic components and how approaches to addressing global and regional issues reflect historical influences and multiple perspectives.

**5415 Economics semester = ½ credit Grades 11-12**  
This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, students will be involved in a financial literacy component to help better understand basic money management for their personal future. College bound students are strongly encouraged to take this course.

### **HEALTH AND PHYSICAL EDUCATION**

*½ credit of health and ½ credit of phys. ed. are required for graduation (See guidance department for PE waiver options.)*

**9210 Health semester = ½ credit Grade 9**  
This course will emphasize the body, mind, and social growth of the adolescent. Areas of concern include: physical, emotional and social health, reproduction/birth, drugs, dating violence, and nutrition. Health skills include: goal setting, refusal skills, decision making skills, and improving one's personal health. Also, introductions to different body systems (endocrine, skeletal, cardiovascular, respiratory, and muscular) will be incorporated into lessons.

**9111 PE 1 – Team Sports semester = ¼ credit Grade 9**  
Students enrolled in PE 1 are expected to develop an appreciation for team work and fair play. PE 1 is concerned with the concept of incorporating physical activities and wellness into team play that will extend beyond high school. This course is designed to teach and expand the student's knowledge and skills needed to participate in a variety of team and competitive activities, which may include: volleyball, basketball, flag football, ultimate Frisbee, etc. This course also focuses on endurance, strength, flexibility, and motor skills. Students will see how participation in a sport can reduce the risk of injuries by improving physical fitness and skill acquisition. Students will be evaluated on their knowledge of the rules of the game, skill abilities, game participation, team play and/or officiating skills. Students will be required to change clothing for activity. Activities will take place indoors and outdoors.

**9112 PE 2—Lifetime Activities and Fitness** semester = ¼ credit **Grade 9-10**  
This course is designed to educate the student in skills and activities that can be incorporated for lifetime fitness. Students will be taught leisure-time activities and lifetime sport activities that may include personal fitness, basic weight training, dance, golf, tennis, recreational games, etc. The continued development of personal fitness and the selection of individual/dual activities that are enjoyable is a major objective of this course. Students will also complete a physical fitness assessment and learn how to develop an individual fitness plan. Students are required to change their clothes for participation in class activities. Activity will take place both indoors and outdoors.

**9115 Beginning Weight Lifting** semester = ½ credit **Grade 10-12**  
This course is designed to acquaint students with the basic principles of weight lifting. Since fitness and wellness is a matter of personal responsibility, students will have opportunities to practice proper lifting techniques, acquire weight training knowledge and learn about exercise physiology.

**9116 Advanced Weight Lifting** semester = ½ credit **Grades 9-12**  
This course is designed for those student-athletes that want to increase their strength and develop advanced lifting skills. Routines consist of a weight-training program based on individual skills and development and current sport they participate in. The focus is to improve a student's power, strength, flexibility, mobility, muscular endurance, and agility by stressing technique and attention to detail. The class will be particularly beneficial to students aspiring to play sports or cheer/dance after high school.

**9117 Officiating Team and Individual Sports** semester = ½ credit **Grades 9-12**  
This course is designed to enable students to acquire knowledge of sport rules and regulations, to develop skills in officiating selected sports, improve skills in specified team sports, and maintain or improve health-related fitness. Students will be introduced to the rules and techniques of officiating team sports. Students will also learn important characteristics of becoming an official. In addition to learning the rules and mechanics of officiating, students will have the opportunity to demonstrate these learned skills.

**9118 Student Leadership** semester = ½ credit **Grades 9-12**  
This course is designed to develop and improve the leadership skills each person possesses. Areas from goal setting to team building to personal relations to problem solving will be covered. Learn what leadership is all about by learning about your leadership style, developing goal setting skills, communication skills, decision making skills, teamwork and much more. You will develop your leadership skills further by studying time and stress management, parliamentary procedure, peer pressure, self-confidence, assertiveness and a positive attitude. This course can be a lot of fun while we learn. Each person must come to class with an open mind, respect for others, a willingness to participate, and a sense of dedication to the class. The more you put into our activities the more you will get out of them.

## **VISUAL ARTS**

*These courses are counted as a fine arts credit.*

*All students are required 2 semesters of fine arts (choir, band, and visual arts), grades 9-12*

**7110 Intro to Visual Arts** semester = ½ credit **Grades 9-12**  
In this prerequisite course, students will begin to understand the basic elements and principles of design, which are the building blocks and tools used by artists to create stunning works of art. Basic ideas such as composition, color theory, and proper studio habits will be overarching themes that students will practice throughout the semester. Mediums that are both two-dimensional (flat) and three-dimensional (sculptural) will be explored to provide students with a feel for which type of art they prefer. Projects will be foundational and focused on developing basic technical skills, with room still left for creativity, individuality and meaning. Sketchbook required.

**7113 Two-Dimensional I** semester = ½ credit **Grades 9-12**  
**Prerequisite: Intro to Visual Arts**  
In the first level of the two-dimensional art track, students will further explore the foundations of art using a variety of techniques such as drawing, painting, and printmaking. Drawing skills will be practiced and emphasized this semester to equip students with the proper skills, techniques, and level of detail that will be expected for future visual art courses. Students will examine and then purposefully apply in their own artwork the elements and principles of design learned in Intro to Visual Arts. Students will also become proficient in how to properly examine, analyze, and interpret artwork in a cultural setting. A sketchbook is required for this course, as students will begin to learn about visual

journaling. An introduction to more serious art shows/contests that recognize student art will also be discussed throughout this course. Sketchbook required.

### **7114 Three-Dimensional I**

**semester = ½ credit**

**Grades 9-12**

#### **Prerequisite: Intro to Visual Arts**

In the first level of the three-dimensional art track, students will explore the foundations of art using a variety of techniques such as sculpture, ceramics, jewelry, and textiles. Students will examine and then purposefully apply in their own artwork the elements and principles of design learned in Intro to Visual Arts. Students will also become proficient in how to properly examine, analyze, and interpret artwork in a cultural setting. A sketchbook is required for this course, as students will begin to learn about visual journaling. An introduction to more serious art shows/contests that recognize student art will also be discussed throughout this course. Sketchbook required.

### **7115 Two-Dimensional II**

**semester = ½ credit**

**Grades 9-12**

#### **Prerequisite: Intro plus one-two art classes or Two-Dimensional I**

Students will continue to be introduced to more two-dimensional mediums and practices that artists use to create award-winning artwork. The human figure and portrait studies will be discussed, and students will practice gesture/figure drawing to begin understanding how artists convey realistic anatomy in their artwork. Students will also begin to understand the applications of art in the real world and demonstrate visual media literacy. Participation in class critiques of artwork will become more prevalent and meaningful as students continue to learn how to properly communicate with others how they describe, analyze, interpret, and judge artwork. There will be a continued push for students to be self-expressive in their artwork and to use their sketchbooks frequently to work through ideas. Sketchbook required.

### **7116 Three-Dimensional II**

**semester = ½ credit**

**Grades 9-12**

#### **Prerequisite: Intro plus one-two art classes or Three-Dimensional I**

Building upon the foundational skills learned in Three-Dimensional I, students will continue to advance their technical skills in this course. Students will be introduced to more three-dimensional mediums and practices that artists use to create award-winning artwork. Movement and dynamism will be two overarching themes that students will focus on achieving in their artwork during this course. Students will also begin to understand the applications of art in the real world, specifically related to design. This course will also examine the foundations of visual media literacy. Participation in class critiques of artwork will become more prevalent and meaningful as students continue to learn how to properly communicate with others how they describe, analyze, interpret, and judge artwork. There will be a continued push for students to be self-expressive in their artwork and to use their sketchbooks frequently to work through ideas. Sketchbook required.

### **7117 Two-Dimensional III**

**semester = ½ credit**

**Grades 9-12**

#### **Prerequisite: Intro plus three-four art classes or Two-Dimensional II**

Students will continue exploring and furthering their skills in two-dimensional mediums with a high focus on technical ability. This course expects students to demonstrate initiative, focus, and creativity in the artmaking process. Advanced media techniques will be discussed and practiced in class, and students will be demonstrating this continuous learning in their projects. There will also be a higher focus on creating artwork with meaning (social, personal, cultural, etc.) so that students are communicating a message/statement visually in their work. Art history will be discussed and examined more frequently to provide students with an increased knowledge of media, themes, technique, and other valuable tools used to create art. Portfolios and how bodies of artwork should be showcased will also be discussed. Sketchbook required.

### **7118 Three-Dimensional III**

**semester = ½ credit**

**Grades 9-12**

#### **Prerequisite: Intro plus three-four art classes or Three-Dimensional II**

Students will continue exploring and furthering their skills in three-dimensional mediums with a high focus on technical ability. This course expects students to demonstrate initiative, focus, and creativity in the artmaking process. Advanced media techniques will be discussed and practiced in class, and students will be demonstrating this continuous learning in their projects. There will also be a higher focus on creating artwork with meaning (social, personal, cultural, etc.) so that students are communicating a message/statement visually in their work. Art history will be discussed and examined more frequently to provide students with further knowledge of media, themes, technique, and other valuable tools used to create art. Portfolios and how bodies of work should be showcased will also be discussed. Sketchbook required.

**7119 Two-Dimensional IV** semester = ½ credit Grades 9-12  
**Prerequisite: Intro plus five art classes or Two-Dimensional III**  
 This is the highest level of the two-dimensional art track, which means that students will be pushed both creatively and technically to create thoughtful, professional-level artwork. Students will have more choice for each project and will be allowed to choose which type of medium they use for each project, as long as they are still following the theme for that unit. Sketchbook work will become vital to success in this course and will regularly be used to discuss ideas, brainstorming, and visual ideas for each unit. Students will also make their own digital portfolio of artwork to showcase their talents that they will be able to continue to use and add to after completing this course. Sketchbook required.

**7120 Three-Dimensional IV** semester = ½ credit Grades 9-12  
**Prerequisite: Intro plus five art classes or Three-Dimensional III**  
 This is the highest level of the three-dimensional art track, which means that students will be pushed both creatively and technically to create thoughtful, professional-level artwork. Students will have more choice for each project and will be allowed to choose which type of medium they use for each project, as long as they are still following the theme for that unit. Sketchbook work will become vital to success in this course and will regularly be used to discuss ideas, brainstorming, and visual ideas for each unit. Students will also make their own digital portfolio of artwork to showcase their talents that they will be able to continue to use and add to after completing this course. Sketchbook required.

## **MUSIC**

*These elective courses are counted as a fine arts credit.*

*All students are required 2 semester credits of fine arts (choir, band, and visual arts, grades 9-12)*

**7805 Interludes Ensemble** semester = ½ credit Grades 9-12  
**Audition Only**  
 The Interludes is a pop and vocal jazz ensemble that ranges between 12 and 16 singers. In this ensemble, singers will learn how to sing with a jazz and pop style that is suitable for modern styles of music. Students will learn how to sing in an ensemble that uses microphones and also about how sound systems are set up. This group is available by audition only and requires director approval. Students that are accepted into this ensemble are required to be in high school choir unless there is a schedule conflict and/or if the student has director approval. This Interludes has additional required performances that take place after school in the community.

**7809 Backstage Pass** semester = ½ credit Grades 9-12  
 Backstage Pass is a theater and acting class. Students work on beginner acting skills as well as improvisation through various classroom acting games. We discuss how to portray a character on stage through movement, facial expressions, and spoken lines. Students learn the parts of the stage and how curtains, lights and sound are operated. Career exploration in theater is explored along with the many different roles that are needed to make a production possible. The class reads through various scripts of varying types of theater to show how a story is told on stage.

**7810 Choir** full year = 1 credit Grades 9-12  
 The student learns various singing techniques including correct breath support, good tone production, and the proper use of vowels and consonants. A review of basic rhythmic and melodic notation helps the singer translate the printed musical symbols into sound patterns and phrases. Students receive ear training that helps them sing as an individual as well as an ensemble member. The group performs selections of various musical periods and styles giving the students opportunities to broaden their vocal experiences. Concerts are given throughout the year during after school hours and are required events. At all times, schedules are coordinated with sports and other activities to avoid conflicts and to enable students to participate simultaneously in various school activities.

**7811 The History of Rock & Roll** semester = ½ credit Grades 9-12  
 Students will study the history and evolution of rock and roll from the early 1900's to the present day. The course covers rock and roll and the many other genres of music that grew out of it. There are discussions about how American historical events affected the music as well as comparing them to today's events and music. Students listen to musical examples from various decades and respond to them broadening their musical listening selections.

**7812 Band** full year = 1 credit Grade 9-12  
 This is a one-year course which develops skills necessary to perform on woodwind, brass and/or percussion instruments. Band consists of both marching and concert band, both are required portions of the class as they are both curricular. During marching season, the band performs at all home and away varsity football games, as well as selected band festivals. During concert season, the band performs a wide variety of musical styles from the medieval to the 21st Century, but with an emphasis on contemporary music. Students will learn to perform various rhythms, scales, modes,



tempos and styles. Concerts, most of which are held outside of the school day and some of which are out of state, are held periodically during the winter and spring. At all times, schedules are coordinated with sports and other activities to avoid conflicts and to enable students to participate simultaneously in various school activities.

**7813 Jazz Band** semester = ½ credit Grades 9-12 (Second Semester)

**Prerequisite: Must be member of Band or Audition**

This class will explore, through performance on both traditional and non-traditional jazz instruments, music representing the various periods and types of jazz; such as, ragtime, Dixieland, swing, pop, modern and rock. Students will learn to perform various jazz rhythms, articulations, scales, modes, tempos and styles. Jazz improvisation will be explored. The class will make several performances that will be outside of the school day. Students must audition if they are not in band.

**7814 Steel Drum Band** semester = ½ credit Grades 9-12 (First Semester)

**Prerequisite: Must be member of Band or Audition**

Students will learn to perform on steel drums as well as other Latin and American percussion instruments. This class will explore through performance music native to the Caribbean culture, as well as other music appropriate for this performing medium. Students will learn to perform various rhythms, scales, modes, tempos and styles. Improvisation will be explored. The class will make several performances that will be outside of the school day. Students must audition if they are not in band.

**C7816 Exploring Music: Bach to Rock (CCP)** semester = 1 credit Grades 11-12

Students will use music videos to explore a wide variety of musical periods and styles. Students will discover the personalities behind the music, and the historical and societal conditions that shaped the music of yesterday and how that in turn leads to the music of today. Nearly all majors at both state and private colleges require arts/humanity courses as part of the general education requirement, and this course is directed at satisfying said requirements.

**7817 Music Theory** semester = ½ credit Grades 10-12

**Prerequisite: Must be a member of Band or Choir**

Music theory is the study of how sounds are put together to form music, whether by Mozart, Taylor Swift, The Black Keys, White Stripes, or anyone else, regardless of era or style of music. Students will learn how to notate sounds and create music of their own in styles that appeal to them. The goal of the class is for students to learn the fundamentals of putting their ideas into forms that can be used by themselves and/or others for performance or just for fun. This course is great for the aspiring singer/songwriter, guitarist, pianist, or other forms of musical expression.

**7818 Music Technology** semester = ½ credit Grades 9-12

A comprehensive course about the technology that is used in the entertainment industry. Students will learn about the many careers that can be associated with the arts and apply these skills in creative projects. Course topics include the science of sound, sound reinforcement, instrument technology, recording mediums, music business, hip hop technology, and DJ technology. Students will complete creative projects using the skills they learn in this class.

**7820 General Music** semester = ½ credit Grades 10-12

Students enrolling in this course will first learn a general understanding of the basics of music. After the basics of music unit, we will move into our guitar unit and finally our keyboarding unit. At the start of each unit, we will learn the basics of playing each instrument then the class becomes exploratory, meeting you at your skill level whether that be complete beginner, advanced player, or anywhere in between.

## **COMPUTERS & TECHNOLOGY**

**9812 Computer Apps for Professionals** semester = ½ credit Grades 9-12

This class will focus on brushing up and advancing students skills in using the Microsoft Office programs: Word, Power Point, Publisher and Excel. Various projects will be assigned that will integrate school subjects with the above programs. Students will also explore how to use the Internet more effectively as well as discussing applying Internet safety. Students will also be trained on having strong researching skills and habits using the available resources on the Internet. The CCP course will also describe the components and peripherals of a computer/PC and how they function and communicate as a system. Principle topics covered are the Windows operating system, Internet applications, the Windows networking environment and a variety of software application packages used to solve scientific, business, and engineering technology problems.

**9815 STEM Technologies** semester = ½ credit Grades 9-12  
STEM Technologies is an introductory course for students interested in practical applications of technology that exist in our world today. Topics of study include, coding, computer applications, 3D printing, robotics and hydroponics. This course will teach you how to think like an engineer and solve real-world problems, skills that are important to every 21st-century citizen. There are no prerequisites for this course, but students should have basic familiarity with how to operate a computer and use applications.

**9710 Multimedia** semester = ½ credit Grades 9-12  
During this course students will be introduced and trained on video equipment such as: video camera and digital camera. Students will apply these skills to produce feature presentations for the school. In addition, students will learn proper video recording techniques, story boarding, and use editing programs such as WeVideo to create movies and Adobe Photoshop to create designs.

**9712 Graphic Arts Design** semester = ½ credit Grades 11-12  
**Prerequisite: Multimedia**  
This introductory course focuses on the design concepts for making effective artistic and marketing choices of design elements such as typefaces and styles, pictures, white space, etc., as well as various layout concepts. Emphasis is on achieving the objective of the design of business documents, forms, and Web sites. Adobe Photoshop as well as a variety of Microsoft and Google software will be used.

**9717 Digital Photography** semester = ½ credit Grades 11-12  
**IMT 132 Digital Photography (CCP)** semester = 1 credit  
Students successfully completing this course will acquire a working knowledge of the concepts and composition necessary to create professional vector art. Additionally, students completing the course will obtain a deeper level of logo and illustration design. Knowledge of the concepts and the software taught in this course are necessary for students interested in pursuing careers in Advertising & Graphic Design.

**9720 Yearbook** semester = ½ credit Grades 11-12  
**Teacher Recommendation**  
*This course can be taken twice*  
Yearbook is a semester-long technology class that produces the school yearbook. This class will count towards one of the required technology credits. Members of the staff are expected to have a high level of maturity and the ability to work independently. Students will be responsible for the production, design, and publication of the school yearbook. This production-based course requires both in class and some after school time taking photos at school events. This is a wonderful opportunity for members of the team to exercise their creativity, while developing new skills in computer design, photography, copy writing, and project management. Creating the yearbook is a fun process and the end result of all the effort is a product the students can be proud of.

## ***FAMILY AND CONSUMER SCIENCE***

**8711 Principles of Food** semester = ½ credit Grades 9-11  
In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques.

**8712 Global Foods** semester = ½ credit Grades 10-12  
**Pre-requisite: Principles of Food**  
In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes.

**8713 Child Development** semester = ½ credit Grades 11-12  
In this course, students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services.

**8610 Financial Literacy** semester = ½ credit Grades 9-12  
In this course, students will develop the ability to read, analyze, manage and communicate about personal financial conditions that affect one's material well-being. It includes the ability to discern financial choices, discuss money and financial issues without (or despite) discomfort, plan for the future and respond completely to life events that affect every day financial decisions, as well as instruction in the economic concepts.

**9410 Personal Wellness & Development** semester = ½ credit Grades 9-10  
In this course, students will develop a personalized approach to healthy living. An emphasis will be placed on developing personal health for an adolescent that can be used as they transition through life. Additional topics will focus on problem solving, work ethics, nutritional and food selections, family dynamics and personal health.

**9610 Leadership and Community Engagement** semester = ½ credit Grades 11-12  
*This course can be taken twice.*  
In this course, students will learn how to become an active community member and citizen. An emphasis will be placed on in-service learning, leadership training and teambuilding opportunities. Additional topics will include public policy issues, community and global engagement.

## **WORLD LANGUAGE**

**6610 Discovering Hispanic Culture** semester = ½ credit Grades 9-12  
**The course will be taught in English and the student does not need to have any prior knowledge of the Spanish language.**  
This semester course will investigate the many aspects of Spanish-speaking countries in the world today. Time will be spent analyzing the products (food, architecture, music) and patterns (beliefs and practices) as well as current issues (immigration, learning English as a second language) of the people in the Latin American world. Students will develop an appreciation for how knowledge of these diverse cultures is valuable.

**6110 Spanish 1** full year = 1 credit Grades 9-12  
**Prerequisite: a C+ or better in English for 9<sup>th</sup>-12<sup>th</sup> graders.**  
This is the first level of the Spanish program that explores the four basic language skills: listening, speaking, reading and writing. Students are introduced to basic study skills that most benefit foreign language study. Students learn strategies intended to aid them to be independent language learners. Focus of unit assessments is on communicative competence. Typical cultural characteristics shared among Spanish-speakers of Spain, Central and South America are explored.

**6220 Spanish 2** full year = 1 credit Grades 10-12  
**Prerequisite: a C or better in Spanish 1**  
This is the second level of Spanish that continues to explore language skills. Building competency in listening and speaking skills is continued. Students are exposed to a variety of reading opportunities while reading skills are strengthened along with limited original student compositions. Typical cultural characteristics shared among Spanish-speakers from various regions are expanded. Focus of unit assessments is on communicative competence. Segments of the course are conducted in Spanish. Students begin to complete select assignments independently.

**6320 Spanish 3** full year = 1 credit Grades 11-12  
**Prerequisite: a C or better in Spanish 2**  
Fundamentals of Spanish language are reviewed while additional vocabulary and advanced structures are introduced. Communicative skills are sharpened as the course is conducted exclusively in Spanish. Focus of unit assessments is on communicative competence. Students are expected to complete selected assignments and readings independently.

**6420 Spanish 4** full year = 1 credit Grades 12  
**Prerequisite: a C or better in Spanish 3**  
In addition to expanding and refining skills acquired in the first three levels of Spanish, students are introduced to Spanish literature and other fine arts in Hispanic culture. Course continues to be conducted exclusively in Spanish by the teacher as well as student-to-student conversations. Focus of unit assessments is on communicative competence.

**C6421 Beginning Spanish I (CCP)** semester = 1 credit Grades 11-12  
This is a beginning level of Spanish taught at a collegiate pace. Students review essential vocabulary and grammatical constructions covered in high school Spanish levels I and II. Class time is spent improving communicative competence. With the corresponding online language lab, students have opportunities to hear native speakers using a variety of dialects. Elements of culture are woven into the course through reading assignments both in and out of class in the target language. Course is taught primarily in Spanish. Students are expected to be responsible and utilize their time management skills to work independently on selected assignments.

**C6422 Beginning Spanish II (CCP)** semester = 1 credit Grades 11-12  
Continuation of Beginning Spanish I  
Students review and add to their vocabulary repertoire, along with advanced grammatical constructions from high school Spanish levels III and IV. Class time is spent improving communicative competence. With the corresponding online language lab, students have opportunities to hear native speakers using a variety of dialects. Elements of culture are woven into the course through reading assignments both in and out of class in the target language. Course is taught primarily in Spanish. Students are expected to be responsible and utilize their time management skills to work independently on selected assignments.

## Business Management

**ACC 130 Business Law and Ethics (CCP)** semester = 1 credit Grades: 11 -12  
**Prerequisite: ACT reading 18 or NextGen Accuplacer Reading 246**  
This course is an examination of the functions of the legal system in the business environment. It includes the study of traditional business law topics and other basic topics applicable to business. A close examination of the intersection between professional ethical decision-making and the legal system as it applies to business. Upon completion, students should be able to demonstrate competence in the fundamental concepts of business law and ethics.

**ACC 132 Financial Accounting (CCP)** semester = 1 credit Grades: 11-12  
**Prerequisite: a D or better in Business Analysis with Algebra**  
This course introduces the student to the fundamental processes of accounting through coverage of the accounting cycle consisting of transaction analysis, the recording function and financial statement preparation and analysis. Course coverage continues with a review of receivables; inventory, property, plant and equipment; bonds and stockholder's equity. Emphasis is given to why certain procedures are followed and their financial statement impact.

**BUS 121 Business Administration (CCP)** semester = 1 credit Grades 11-12  
**Prerequisite: ACT reading 18 or NextGen Accuplacer Reading 246**  
This is a survey course designed to develop a comprehension of business theories and principles. Students will examine the following: American business development, management and organization, human resources, marketing, information for business strategy, decision making, finance and investment. Upon completion, students should be able to demonstrate an understanding of the above topic areas and have a foundation for studying other business subjects.

**BUS 124 Business Analysis with Algebra (CCP)** semester = 1 credit Grades: 11-12  
**Prerequisite: ACT math 19 or NextGen Accuplacer QAS math 250 or NextGen Accuplacer AAF math 237**  
This course is designed to present and facilitate the mastery of the use of analysis in business applications. The applications include percentage computations; payroll; buying, markup and markdowns; simple interest; compound interest including business and consumer loans and ordinary annuities. Upon successful completion of this course, the student should be able to apply fundamental analysis to business problems.

**BUS 221 Microeconomics (CCP)** semester = 1 credit Grades 11-12  
**Prerequisite: ACT reading 18 or NextGen Accuplacer reading 246**  
This course offers an in-depth study of microeconomic concepts and principles such as supply and demand, price elasticity, production costs, different market structures, income distribution, marginal analysis, and other issues relating to global economics. Upon completion of this course, students should be able to demonstrate an understanding of these topics and be able to apply them to business.

**BUS 222 Macroeconomics (CCP)** semester = 1 credit Grades: 11-12  
**Prerequisites: ACT reading 18 or NextGen Accuplacer reading 246**  
An in-depth study of macro-economic concepts and principles such as market supply and demand, unemployment and inflation, monetary and fiscal policy, national income accounting and Classical and Keynesian models. Upon completion, students should be able to apply and demonstrate an understanding of the above topics relative to today's economy.

**ENT 120 Entrepreneurship (CCP) semester = 1 credit Grades 11-12**

**Prerequisite: ACT reading 18 or NextGen Accuplacer reading 246**

This course is designed to introduce students to the entrepreneurial process from conception to birth of a new venture. Students will examine elements in the entrepreneurial process--personal, sociological, and environmental--that give birth to a new enterprise. Critical factors for starting a new enterprise such as alternative career prospects, family, friends, role models, the state of the economy and the availability of resources will be explored. Students will be introduced to practical tools they can use to further their careers in business, both in entrepreneurship and in more traditional company environments. This course simulates the experiences that entrepreneurs undergo in conceiving, launching, and operating new businesses. The course enables students to evaluate an entrepreneurial career for themselves. In doing so, it provides want- to-be entrepreneurs with a framework for selecting, funding, and starting their own new ventures.

**ENT 124 Managing Entrepreneurial Growth (CCP) semester = 1 credit Grades 11-12**

**Prerequisite: a D or better in Entrepreneurship**

This course is designed for students who want to manage growing companies in an increasingly professional manner while still maintaining the entrepreneurial spirit that brought the company to its current growth position and for students who want to manage larger companies to emphasize innovation and the management of opportunities rather than to concentrate on the efficient management of ongoing operations. Upon successful completion of this course, students should be able to measure economic performance and obtain information for management decision-making, management control systems for innovative companies, short-and long-run planning in owner-managed businesses, and entrepreneurship in managing growing companies

**ENT 225 Global Entrepreneurship (CCP) semester = 1 credit Grades 11-12**

**Prerequisite: a D or better in Entrepreneurship**

This course examines how entrepreneurs create and manage emerging ventures in other countries and create and manage start-up emerging ventures, which are global in at least one important aspect. The case analyses and classroom discussions focus on and integrate multidisciplinary concepts, skills, and insights - marketing, operations, finance, control, decision-making, leadership, ethics, governance, negotiations - all in the service of starting and managing entrepreneurial ventures. Upon successful completion of this course, students should be able to identify and assess business models for international start-ups, venture valuation, sources of financing, deal structuring, cross-cultural issues in entrepreneurship, creating strategic alliances, managing/ leading a small multinational organization, international acquisitions, managing entrepreneurial ventures in situations of financial distress and under changing contexts, and managing global expansions of ventures.

**MGT 121 Principles of Management (CCP) semester = 1 credit Grades 11-12**

**Prerequisite: a D or better Business Administration or a D or better in Entrepreneurship**

This course provides an in-depth, balanced overview of management through coverage of basic management functions: planning, organizing, staffing, directing and controlling. It also presents the current insights of open-systems theory, contingency theory, organization theory, organizational behavior and contemporary management science. Upon completion, students should be able to demonstrate an understanding of the above topic areas.

**MGT 224 Human Resource Management (CCP) semester = 1 credit Grades: 11-12**

**Prerequisites: MGT 121 minimum grade of D**

Introduction to the effective management of human resources in today's organizations. Emphasis is on the policies and programs necessary to attract, retain and motivate employees. Subjects covered include the legal framework of human resource management, staffing, human resource development, motivation and leadership, compensation, appraisal systems, safety and labor, and management relations. Upon completion, students should be able to demonstrate an understanding of the management of the human resource.

**MKT 121 Principles of Marketing (CCP) semester = 1 credit Grades: 11-12**

**Prerequisites: a D or better in Microeconomics**

This course is an introduction to the important role that marketing plays in the successful operation of various enterprises that operate in both the domestic and international arenas. Emphasis is on developing marketing strategies needed to compete effectively in today's rapidly changing competitive environment. Customer buying behavior, market segmentation, quality customer service, the elements of product, distribution, pricing and promotion strategies are examined. Upon completion, students should be able to demonstrate an understanding of the above topic areas.