

# Rittman High School 2021-2022

## Course Scheduling Information

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### Course Descriptions:

#### Core subject areas

|                                    |       |
|------------------------------------|-------|
| English/Language Arts .....        | 7-8   |
| Math.....                          | 8-10  |
| Science.....                       | 10-12 |
| Social Studies.....                | 12-13 |
| Health and Physical Education..... | 13-14 |

#### Electives:

|                                   |       |
|-----------------------------------|-------|
| Art .....                         | 14-15 |
| Music.....                        | 15-16 |
| Technology.....                   | 16    |
| Family and Consumer Sciences..... | 16-17 |
| Foreign Language.....             | 17-18 |
| Business Management.....          | 18-20 |

## **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      | 5 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**

### **II. Demonstrate Competency**

Classes of 2021 & 2022 - meet 1 of 4 pathways:

- Earn 18 of 35 points on 7 of Ohio's State Tests (min. 4pts. in English, 4pts. in Math, 6pts. in Science/Soc St).
- Earn college readiness scores on ACT Math (22), Reading (22) and English (18)
- Earn proficiency on WorkKeys and 12 points on approved industry-recognized credentials
- The requirements for the Class of 2023 can also be used as a graduation pathway (see below)

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 10 diploma seals:

- OhioMeansJobs Readiness, Biliteracy, Industry-Recognized Credential, College Ready, Military Enlistment, Citizenship, Science, Honors Diploma, Technology, To be determined – student engagement/fine arts/community service.
- Requirements for each seal will be communicated at orientation, student and parent meetings.

**IV. Community Service** *Students must complete 15 hours of community service during their senior year.*

\*\*\* Please check the guidance webpage for more detailed information on graduation requirements broken down by year.

### **Academic Honors Diploma**

Students must meet all but one requirement to be eligible for the honors diploma

- a. Four (4) units of **English**
- b. Four (4) units of **mathematics**, including Algebra 1, Geometry, Algebra 2 or equivalent and another higher level course or a four-year sequence of courses that contains equivalent or higher content.
- c. 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.
- d. Four (4) units of **social studies**
- e. Three (3) units of one world foreign language, or no less than 2 units of each of two world languages studied
- f. One (1) unit of fine arts
- g. 3.5 GPA on a 4.0 scale
- h. Obtain a composite score of 27 or higher on the ACT tests or a 1280 or higher on the SAT (exclude the writing scores)

## **Career Technical Honors Diploma**

Students must meet all but one requirement to be eligible for the honors diploma

- a. Four (4) units of **English**
- b. Four (4) units of **mathematics**, including Algebra 1, Geometry, Algebra 2 or equivalent and another higher level course or a four-year sequence of courses that contains equivalent or higher content.
- c. 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.
- d. Four (4) units of **social studies**
- e. Two (2) units of one world **language**
- f. Four (4) units of **career-technical** courses
- g. 3.5 GPA on a 4.0 scale
- h. Obtain a composite score of 27 or higher on the ACT tests or a 1280 or higher on the SAT (exclude the writing scores)
- i. Complete a field experience and document the experience in a portfolio specific to the student's area of focus
- j. Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus
- k. Student must earn an approved industry-recognized credential or achieve proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent

## **Arts Honors Diploma**

Students must meet all but one requirement to be eligible for the honors diploma

- a. Four (4) units of **English**
- b. Four (4) units of **mathematics**, including Algebra 1, Geometry, Algebra 2 or equivalent and another higher level course or a four-year sequence of courses that contains equivalent or higher content.
- c. Three (3) units of **science** with laboratory experiences, including one unit of advanced science, which must align with grades 11/12 standards or above or entry-level college courses.
- d. Three (3) units of **social studies**
- e. Three (3) units of one world foreign language, or no less than 2 units of each of two world languages studied
- f. Four (4) units of fine arts
- g. Two (2) elective units with a focus on fine arts
- h. 3.5 GPA on a 4.0 scale
- i. Obtain a composite score of 27 or higher on the ACT tests or a 1280 or higher on the SAT (exclude the writing scores)
- j. Field experience and document the experience in a portfolio specific to the student's area of focus
- k. Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus

## **Social Science & Civic Engagement Honors Diploma**

- a. Four (4) units of **English**
- b. Four (4) units of **mathematics**, including Algebra 1, Geometry, Algebra 2 or equivalent and another higher level course or a four-year sequence of courses that contains equivalent or higher content.
- c. Three (3) units of **science** with laboratory experiences, including one unit of advanced science, which must align with grades 11/12 standards or above or entry-level college courses.
- d. Five (5) units of **social studies**
- e. Three (3) units of one world foreign language, or no less than 2 units of each of two world languages studied
- f. One (1) unit of fine arts
- g. Three (3) elective units with a focus in social sciences and/or civics
- h. 3.5 GPA on a 4.0 scale
- i. Obtain a composite score of 27 or higher on the ACT tests or a 1280 or higher on the SAT (exclude the writing scores)
- j. Field experience and document the experience in a portfolio specific to the student's area of focus
- k. Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus

## 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 2018-2019 school year.**

1. Students will receive a verification of registered courses by the end of May.
2. Students will have until **June 1, 2018** for a "Change of Mind" schedule change. Review both first and second semester.
3. **After June 1, 2018, 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 2, 2017.**

## 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 January. **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 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

Stark State:

| <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 |
| C1520 | Effective Oral Communication     | 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 |
| C6300 | Introduction to Entrepreneurship | 3 |
| C6421 | Beginning Spanish I              | 4 |
| C6422 | Beginning Spanish II             | 4 |
| C7816 | Exploring Music: Bach to Rock    | 3 |
| C7818 | Music Theory                     | 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. Summer reading is required and will be assessed during the first weeks of school.

#### **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. Students will read a novel selected by the teacher over the summer in preparation for the first weeks of school. Additional independent reading over the summer 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. Students will read a novel selected by the teacher over the summer in preparation for the first weeks of school.

#### **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. Students will read a novel selected by the teacher over the summer in preparation for the first weeks of school. Additional independent reading over the summer is 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 will read a novel selected by the teacher over the summer in preparation for the first weeks of school.

#### **1332 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.

#### **1334 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.

**1436 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.

**1520 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.

**3410 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.

**3421 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**

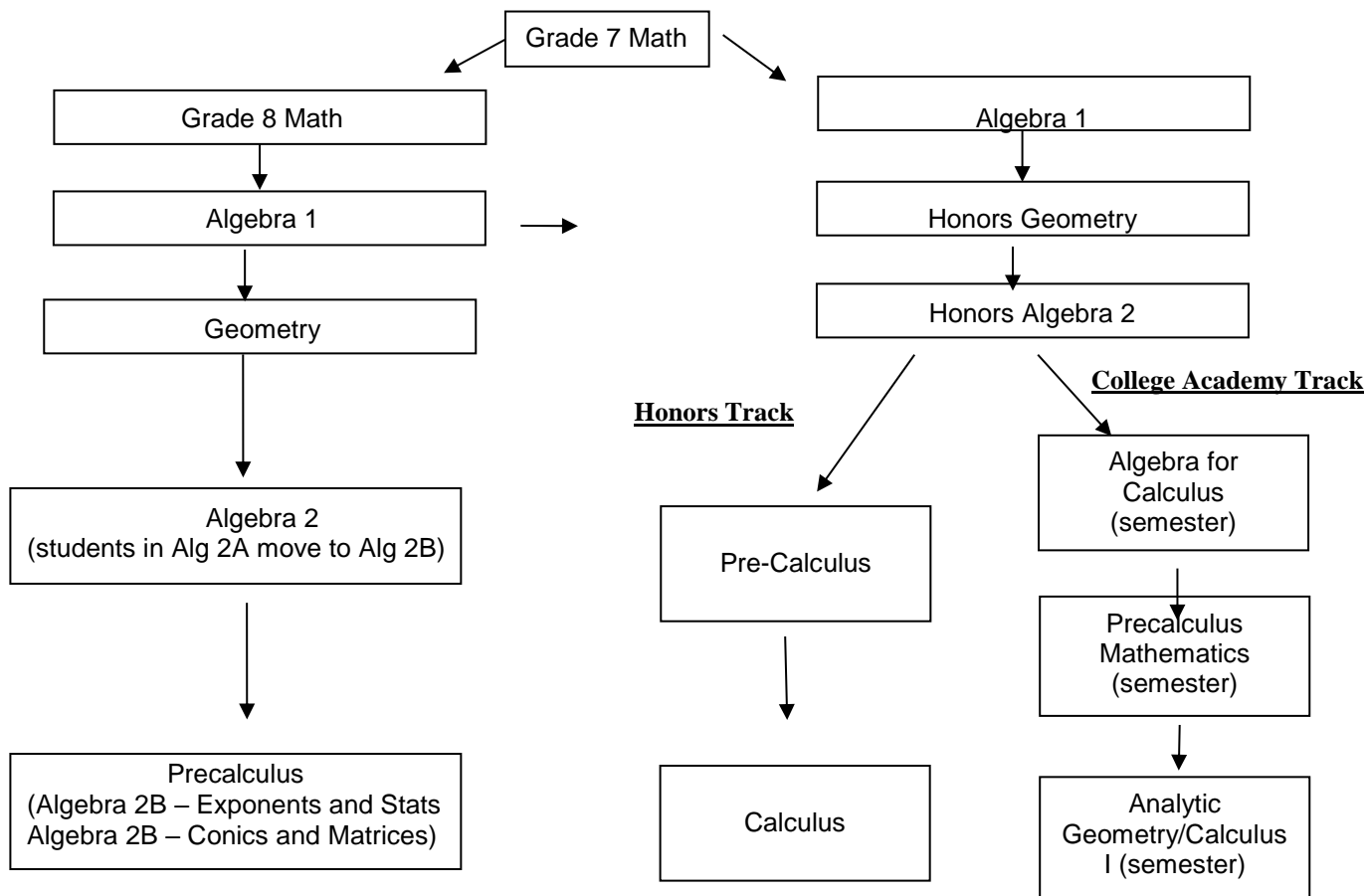
Analytic Geometry/Calculus I introduces important concepts in calculus: limits, derivatives, and integrals. Techniques for evaluating limits, derivatives and integrals are presented and various applications are included. It will develop critical analysis and independent thought and problem-solving ability 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.

**3521 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 & 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.

|   |                              |                     |
|---|------------------------------|---------------------|
| <b>4626 Environmental Science</b>   | <b>full year = 1 credit</b>  | <b>Grades 11-12</b> |
| 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. |                              |                     |
| <b>4627 Chemistry</b>   | <b>full year = 1 credit</b>  | <b>Grades 11-12</b> |
| <b>Prerequisite: a B- or better in Algebra &amp; science with teacher recommendation</b>  |                              |                     |
| 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.  |                              |                     |
| <b>4620 Anatomy and Physiology</b>  | <b>full year = 1 credit</b>  | <b>Grades 11-12</b> |
| <b>Prerequisite: a B- or better in Biology</b>  |                              |                     |
| 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.  |                              |                     |
| <b>BIOL 201 Introduction to Anatomy &amp; Physiology (CCP)</b>  | <b>semester = 1 credit</b>   | <b>Grades 11-12</b> |
| 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.  |                              |                     |
| <b>BIOL 201L Introduction to Anatomy &amp; Physiology LAB (CCP)</b>   | <b>semester = .33 credit</b> | <b>Grades 11-12</b> |
| Corequisite: Concurrent with Introduction to Anatomy and Physiology.  |                              |                     |
| <b>CHEM 111 Basic Chemistry/Lecture (CCP)</b>   | <b>semester = 1 credit</b>   | <b>Grades 11-12</b> |
| 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.  |                              |                     |
| <b>CHEML 111L Basic Chemistry/LAB (CCP)</b>   | <b>semester = .33 credit</b> | <b>Grades 11-12</b> |
| Corequisite: Concurrent with Basic Chemistry/Lecture  |                              |                     |
| <b>CHEM 130 General Chemistry I /Lecture (CCP)</b>  | <b>semester = 1 credit</b>   | <b>Grades 11-12</b> |
| <b>Prerequisite: a C or better in Basic Chemistry</b>   |                              |                     |
| 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.   |                              |                     |
| <b>CHEM 130L General Chemistry I /LAB (CCP)</b>   | <b>semester = .33 credit</b> | <b>Grades 11-12</b> |
| Corequisite: Concurrent with General Chemistry I/Lecture  |                              |                     |
| <b>CHEM 131 General Chemistry II/Lecture (CCP)</b>  | <b>semester = 1 credit</b>   | <b>Grade 12</b>     |
| <b>Prerequisite: a C or better in General Chemistry I</b>   |                              |                     |
| This course studies general principles of chemistry with emphasis on behavior of solutions, equilibrium, thermodynamics, chemical kinetics, acid-base, precipitation, and oxidation-reduction reactions.  |                              |                     |
| <b>CHEM 131L General Chemistry II/LAB (CCP)</b>   | <b>semester = .33 credit</b> | <b>Grade 12</b>     |
| Corequisite: Concurrent with General Chemistry II/Lecture   |                              |                     |
| <b>4623 Physics for Life Sciences I (CCP)</b>   | <b>semester = 1 credit</b>   | <b>Grade 12</b>     |
| <b>Prerequisite: College Algebra or Honors Algebra 2</b>  |                              |                     |
| 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.<br>*Class meets at Orrville High School                         |                              |                     |
| <b>4625 Physics for Life Sciences II (CCP)</b>  | <b>semester = 1 credit</b>   | <b>Grade 12</b>     |
| <b>Prerequisite: Physics for Life Sciences I</b>  |                              |                     |

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.

### **5420 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. Course material will be presented in a variety of formats (i.e. lecture, activities, discussion forums, research, book studies, distance learning, 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.***

### **5422 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. Course material will be presented in a variety of formats (i.e. lecture, activities, discussion forums, research, book studies, distance learning, etc...). Outside reading and extensive writing are required in this course.

### **5424 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.

**5426 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 filled 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*

**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 Basic Weight Training**

**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.

## **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**

Intro to Visual Arts is an introductory course for beginning visual art students. Students will develop a working vocabulary of the elements and principles of design as well as a basic skill set for compositional issues in both 2-D and 3-D formats. Research/written papers into historical/contemporary art and artists will be required.

### **7121 Drawing**

**semester = ½ credit**

**Grades 9-12**

**Prerequisite: Intro to Visual Arts/Art 1**

The primary objectives for drawing are to develop the skill of seeing, analyzing, composing, and recording shape via line/value/gradation and to develop skills in manual dexterity through a variety of media. Research/written papers into historical/contemporary drawing will be required.

### **7122 Painting**

**semester = ½ credit**

**Grades 9-12**

**Prerequisite: Intro to Visual Arts/Art 1**

Students will study traditional and contemporary styles of paintings and artists. There will be an emphasis on developing individual and personal style. By concentrating in a specialized media, the student will have the opportunity to become increasingly skilled in a particular area of specialization and problem solving. Research/written papers into historical/contemporary painting and artists will be included.

### **7123 Sculpture**

**semester = ½ credit**

**Grades 9-12**

**Prerequisite: Intro to Visual Arts/Art 1**

This course is an in-depth approach to sculpture. There will be an introduction of art movements dealing with the traditional to the contemporary. The course will stress the original idea or concept, method, direction, craftsmanship, and creative expression. By concentrating in specialized media, the student will gain a better understanding and appreciation of the media chosen. The student will also become increasingly skilled while enhancing his/her ability to problem solve. Research/written papers into historical/contemporary sculpture and artists will be included.

### **7124 Non-traditional Jewelry**

**semester = ½ credit**

**Grades 9-12**

**Prerequisite: Intro to Visual Arts/Art 1**

This course is partially a "green" approach to jewelry. Materials used will not be precious metals or stones, but rather materials drawn from our everyday world. Students will use such materials as bottle caps, glass, wire, fabric, color thread, ping pong balls, etc., which will be transformed into such things as pins, brooches, necklaces, earrings. Students will be encouraged and expected to bring in a few additional materials with which to work. Unusual techniques introduced will be lampwork beadmaking (melting glass over an open torch) and glass fusing. Research/written papers into historical jewelry and trends in contemporary jewelry will be included.

The course will stress conceptualization (original design/ideas), fabrication, presentation, craftsmanship and creative expression. By concentrating in specialized media students will gain a better understanding and appreciation of the media chosen. Students will also become increasingly skilled while enhancing his/her awareness to problem solving. \*Research/written papers into historical jewelry and trends in contemporary jewelry will be included. *Students will digitally photograph their work and upload into an online personal portfolio folder (this is required as part of your quarterly assessment).*

**7125 Textiles****semester = ½ credit****Grades 9-12****Prerequisite: Intro to Visual Arts/Art 1**

This course is an introduction into textiles as an art form. Students will experiment with weaving in a traditional manner as well as fabric surface decoration using non-traditional materials and equipment. Students will also be encouraged and expected to bring in a few additional materials with which to work. Research/written papers into history and trends in textiles will be included.

**7130 Art Portfolio****semester = ½ credit****Grades 11-12****Must have completed at least 1.5 credits of visual arts with a C- average**

Advanced art courses in high school should be intended primarily for those students who have demonstrated ability and interest in the introductory and intermediate art courses discussed previously. Objectives for advanced courses are the same as those selected for their respective beginning courses. However, such courses provide in-depth study in one or several of the specific content areas. More technically demanding media and forming processes should be introduced. Students must be self-starters and able to work independently.

**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)*

**7815 Exploring Music: Bach to Rock****semester = ½ credit****Grades 11-12****C7816 Exploring Music: Bach to Rock (CCP) semester = 1 credit**

Non-music majors are exposed to musical experiences that help them develop skills in understanding and evaluating music as it reflects and defines American culture. This course can be used to satisfy the General Education humanities requirement at most state colleges.

**7817 Music Theory****semester = ½ credit****Grades 11-12****C7818 Music Theory (CCP) semester = 1 credit**

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.

**7810 Choir****full year = 1 credit****Grades 9-12**

The student learns the technique of correct breath support and good tone production that includes the proper use of vowels and consonants. A review of basic rhythmic and melodic notation and theory helps the singer translate the printed musical symbols into sound patterns and phrases. Ear training is taught and is an important part of individual and group singing. Performing selections of varied musical periods and styles gives the students opportunities to broaden their vocal experiences. Concerts are given throughout the year. Attendance is required.

**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. 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.

**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.



**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.

## **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.

**9813 Google Apps****semester = ½ credit****Grades 9-12**

This class will be an extensive exploration of the vast programs available for students to use in Google. Training and a big focus will be on how to set up and use Google Accounts, Docs, Presentations, and Spreadsheets. Time will be given to explore and use many of the Google Apps that are available that will enhance a student's school work and educational experience.

**9710 Multimedia****semester = ½ credit****Grades 10-12**

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. Some components of the class will involve the creation of the annual yearbook.

**9717 Digital Photography****semester = ½ credit****Grades 11-12****IMT 122 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.

**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.

## **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 Personal Financial Management****semester = ½ credit****Grades 11-12**

In this course, students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing and risk management.

**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 (Formally Quest)****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 8-12**

**Prerequisite: a C+ or better in English for 9<sup>th</sup>-12<sup>th</sup> graders. Teacher recommendation for 8<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 9-12**

**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 10-12**

**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 11-12**

**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.

**6421 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.

**6422 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**

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.