



**Reynoldsburg High School  
Course Catalog  
2020-2021**

# REYNOLDSBURG CITY SCHOOLS

*Empowering Leaders who impact the NOW and innovate the FUTURE*



Dear Reynoldsburg High School Students,

We are excited to provide you with the Reynoldsburg High School Course Catalog for the 2020-21 school year. All four academies and **The 9X Impact** are represented in this common document. The class offerings provide a rich variety of options to ensure you make the most out of your time at Reynoldsburg High School.

All four academies and **The 9X Impact** have course options that range from college level and AP courses, career and technical readiness courses, and high school courses. Within this Course Catalog, you will find a guide to develop your class schedule and workload during high school. Information about graduation requirements, eligibility requirements, prerequisites are also included in this document.

Our mission is to empower you, as leaders, to impact the NOW, and innovate the FUTURE. We encourage you to take full ownership of your learning and engage in challenging and relevant experiences. Work with your teachers, your counselors, your mentors and your family to get the support you need throughout your educational journey at Reynoldsburg High School.

When you graduate, no matter which path you take, be it college, the military, or starting your career, you will be prepared for what the world has to offer if you try your best and keep a growth mindset throughout your time at RHS. Use your time in high school to explore classes, consider options, find your strengths, and develop your strengths, and develop your passions. You have the full support of myself, the Board of Educations, and the RCS. We believe in you and are willing to do whatever it takes to prepare you for the world beyond Reynoldsburg High School.

Good luck this school year, and go raiders! We implore you to always be #reynproud.

Sincerely,

A handwritten signature in black ink, appearing to read 'Melvin J. Brown', written over a horizontal line.

Melvin J. Brown  
Superintendent  
Reynoldsburg City Schools

Board of Education

Debbie Dunlap, President • Neal Whitman, Vice  
President • Robert Barga • Angela Abram • Jeni  
Quesenberry

Melvin J. Brown, Superintendent • Tammira S. Miller, Treasurer

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7244 E. Main Street, Reynoldsburg, Ohio 43068

(614) 501-1020

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## प्यारा रेनलड्स्बर्ग हाई स्कूलका विद्यार्थीहरू

हामी तपाइहरूलाई २०१९-२०२० स्कूल वर्षका लागि विभिन्न शैक्षिक कार्यक्रम प्रस्तुत गर्न उत्साहित छौं। सबै चार एकेडेमी तथा 9\_लाई यो कागजातले साधारण प्रतिनिधित्व गरेको छ। यहाँ प्रदान गरिने कक्षाहरूमा विभिन्न राम्रा विकल्पहरू छन् जसमा विद्यार्थीले रेनलड्स्बर्ग हाई स्कूलको समयमा धेरै भन्दा धेरै प्राप्त गर्न सक्नु भन्ने सुनिश्चित गरिएको छ।

सबै चार एकेडेमी तथा 9\_का पाठ्यक्रमका विकल्पहरूमा कलेज स्तरका कक्षा देखि लिएर AP कक्षाहरू ब्यवासाहिक तथा प्राविधिक तयारी कक्षाहरू र हाई स्कूलका कक्षाहरू छन्। यस शैक्षिक कार्यक्रम भित्र तपाइले आफ्नो कक्षा तालिका कसरी तयार गर्ने तथा हाई स्कूलमा कार्यको बोझका विषयमा मार्ग निर्देशन प्राप्त गर्नु हुने छ। ग्रेजुएसनका आवश्यकताहरू योग्यताका आवश्यकताहरू पूर्व-आवश्यक कक्षाहरूका विषयमा जानकारीहरू यस कागजातमा समावेश गराएको छ। हाम्रो लक्ष भनेको **अहिलेलाई प्रभाव पाउँ, भविष्यलाई प्रतिबिम्बित गर्दै, र नेत्रित्वकर्ता जस्तै तपाइलाई सशक्त बनाउनु हो।** हामी तपाइलाई आफ्नो शिक्षाको पूर्ण स्वामित्व लीन र चुनौती पूर्ण तथा सान्दर्भिक अनुभवहरूमा संलग्न हुन प्रोत्साहित गर्छौं। रेनलड्स्बर्ग हाई स्कूलको यात्रामा भरपर्दो सहयोग प्राप्त गर्नका लागि तपाइका शिक्षकहरू तपाइका सल्लाहकारहरू तपाइका प्रशिक्षकहरू र तपाइका परिवारसँग काम गर्नुहोस्।

तपाइले स्नातकोत्तर प्राप्त गरे पछि जुनसुकै बाटो अपनाए तापनि चाहे त्यो कलेज सैन्य वा कुनै पनि पेशा सुरु गर्न होस् तपाइले मा रहेको समयमा बढ्दो मानसिकता राख्नु भयो भने तपाइलाई संसारिक आवश्यकता अनुसार तयार गरिने छ। हाई स्कूलको समयमा कक्षा गत विषयमा खोज गर्नुहोस् विकल्पहरूमा विचार गर्नुहोस् आफ्नो बलियो पक्ष पत्ता लगाउनुहोस् र त्यसबाट आफ्नो आवेगको विकाश गर्नुहोस्। तपाइलाई मेरो तर्फबाट स्कूल शिक्षा बोर्ड र का तर्फबाट पूर्ण समर्थन छ। हामी तपाइहरूमा विश्वास गर्छौं र रेनलड्स्बर्ग हाई स्कूल देखि बाहिरको संसारका लागि तयार पार्न जे पनि गर्न तयार छौं।

यो साल तपाइलाई भाग्यले साथ दिओस् गो रैंडरस् हामी गर्व गरौं \_

भवदीय

मेल्विन जे. ब्राउन

अधीक्षक

रेनलड्स्बर्ग सिटी स्कूलस्

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Queridos Estudiantes del Colegio (9-12) de Reynoldsburg,

Estamos entusiasmados en poder proveer El Programa de Estudios del Colegio de Reynoldsburg para el año escolar 2019-2020. Las cuatro academias y El 9X Impact están representadas en este documento. Hay una amplia variedad de opciones de estudios para asegurarse de que el tiempo en el colegio se aproveche al máximo.

Los cuatro academias y El 9X Impact tienen opciones de nivel universitario, cursos avanzados (AP), cursos de preparación de carrera o cursos técnicos y cursos del colegio. Con este programa de estudios encontrarás un guía para desarrollar tu programa de clases y trabajo necesario durante tu tiempo en colegio (high school). Información necesaria para graduarte, requisitos para elegibilidad, prerrequisitos están también incluidos en este documento.

Nuestra misión es darte a ti el poder para impactar el AHORA e innovar el FUTURO. Te animamos a que te tomas control de tu aprendizaje y que participes en desafiantes y relevantes experiencias. Trabaja con tus profesores, consejeros, mentores, y tu familia para obtener el apoyo necesario para poder pasar esta experiencia educativa en Reynoldsburg High School.

Cuando te graduas no importa el camino que hayas elegido, si es la universidad, carrera militar o empezando tu propia carrera, estarás preparado para lo que el mundo te ofrezca, y si has trabajado y has hecho lo que más has podido y sigues creciendo en tu estancia en RHS. Usa el tiempo de estancia en el colegio para explorar clases, considerar opciones, encontrar tus fortalezas y desarrollar tus pasiones. Tienes mi completo apoyo y el apoyo del Board of Education y del RCS. Creemos en ti y vamos a hacer todo lo posible para prepararte para afrontar el mundo después de Reynoldsburg High School.

Buena suerte este año y Vamos Raiders! Te rogamos que sigas sintiendote orgulloso de Reynoldsburg!

Atentamente,

Melvin J. Brown  
El Superintendente

El Distrito Escolar de la Ciudad de Reynoldsburg

Board of Education

Debbie Dunlap, President • Neal Whitman, Vice  
President • Robert Barga • Angela Abram • Jeni  
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Mudanayaal Ardayda Dugsiga Sare ee Reynoldsburg,

Waxaan ku faraxsanahay inaanu idin siino Barnaamijka Dugsiga Sare ee Reynoldsburg ee Waxbarashada sanad dugsiyeedka 2019-20. Dhamaan afarteenada machad **The 9X Impact** waxaa lagu soo bandhigay warqaahana caamka. Fasalada la bixiyo waxa ay bixiyaan ikhtiyaaro kala duwan oo lagu xaqiijinayo in badankood ayna wakhtigan Dugsiga Sare ee Reynoldsburg ayna ahayn.

Dhamaan afarta machad iyo **The 9X Impact** waxay ikhttiyaar u leeyihiin duruus heer kuuliyadeed iyo AP yo kala duwna, duruusta diyaar u ahaanshaha mihnada iyo farsamada, iyo duruusta dugsiga sare. Barnaamijkan Waxbarashada, waxaad heli doontaa tilmaamo si aad u hormariso fasalkaaga iyo culayska shaqadaada inta aad ku jirto dugsiga sare. Macluumaadka ku saabsan shuruudaha qalijabinta, shuruudaha u qalanka, marka hore samaynta ayaa sidoo kale lagu sheegey waraaqahan.

Shaqadaayadu waa inaanu ku awood siino, hogaan ahaan, waxaad saamayn ku yeelan doontaa IMINKA, iyo ikhtiraaca MUSTAQBALKA. Waxaanu kugu dhiiri gelinaynaa inaanu mulkiyada dhamayskatiran ee waxbarashada iyo wada shaqaynta ka qayb gasho ee caqabada iyo khibrada la xidhiidha. La shaqaynta macalimiinta, lataliyayaashaada, cida tusaalaha kuu ah ee taageerada aad ugu baahan yahay safarkaaga waxbarasho ee Dugsiga Sare ee Reynoldsburg.

Marka aad qalin jarbiso, dhabada aad doonto hadii aad qaado, hadii ay tahay kuuliyada, ciidanka, ama inaad bilawgo mihnadaada, waa inaad u diyaar ahaataa waxa caalamka aad ka heleyso hadii aad dadaalka ugu badan muujinayso oo aad doonayso inaad si wanaagsan ugu karto wakhtigaaga RHS. Waxaad adeegsataa wakhtigaaga dugsiga sare si aad u eegto fasalada, aan iskula eego ikhtiyaarada, aad hesho awood siin, oo aad u hormariso rabitaankaaga. Waxaad iga heli doontaa taageero buuxda, Gudida Waxbarashada, iyo RCS. Rajo wayn ayaanu kaa qabtaa oo waxaanu u aragnaa inay kaa go'an tahay in aad wax kasta oo aad ku diyaar garoobayso caalamka ka danbeeya Dugsiga Sare ee Reynoldsburg inaad samayso.

Nasiib wanaagsan sanad dugsiyeedkan, oo qabo Raiders! Waxaanu mar kasta kaa dalbanaynaa inaad noqoto #reynproud.

Mahadsanid,

Melvin J. Brown  
Maamulaha  
Dugsiyada Magaalada Reynoldsburg

Board of Education

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The Reynoldsburg High School catalog consists of a variety of pathways from which students choose that include numerous specialty courses, required core coursework, and an array of elective offerings.

### Highlights

- 16 career pathways
- 27 AP courses
- Over 30 courses offering credit through 4 colleges and universities
- Articulations with local colleges and universities for students to earn college transfer credit through the completion of pathway courses

**Reynoldsburg High School offers 16 Career Pathways** in one of our four career academies:

- Business, Education, Law and Leadership Early College Academy (Bell)
- Encore Academy of Performing and Design Arts
- Environmental Science, Technology, Engineering and Math (eSTEM)
- Health Sciences and Human Services STEM Academy (HS)<sup>2</sup>



**Each pathway has required courses** depending on a student's concentration preference and choice of electives. Students are encouraged to work with their family and counselors to select the best path to graduation, preparing them for college and careers.

## Academies and Pathways

### Our program of study for each pathway includes four components:

1. Four-year, sequential courses related to the pathway, each with rigor and relevance to degree programs using college and career standards.
2. Alignment to secondary institutions with college credit-bearing courses in every discipline.
3. Opportunities to earn industry-recognized credentials.
4. Connections to careers through work-based learning, internships, technical skills assessment, and off-campus experiences related to career pathways.

### Livingston Avenue Campus



#### The 9X Impact

- IED
- Career Connections



#### Business, Education, Law and Leadership Early College Academy (Bell)

- Business and Marketing
- Law and Criminal Justice
- Education
- Leadership



#### Health Sciences and Human Services STEM Academy (HS)<sup>2</sup>

- Biotechnology
- Biotechnology for Food, Plant and Animal/Food Science
- Allied Health and Nursing
- Human Services

### Summit Road Campus



#### Environmental Science, Technology, Engineering and Math (eSTEM)

- Energy and Natural Resources
- Digital Network Systems
- Engineering and Design



#### Encore Academy of Performing and Design Arts

- Media Arts
- Visual Design and Imaging
- Performing Arts
- Music

## The 9X Impact Academy CTE Courses

### BELL Academy CTE Courses

#### Marketing Pathway:

- Digital Marketing and Management – 144015 – Grades: 10-12 – Offered 2020/2021
- Business Foundations – 141000 – Grades 10-12 – Offered 2020/2021
- Operations Management – 142020 – Grades 10-12 – Offered 2020/2021

### (HS)<sup>2</sup> Academy CTE Courses

#### Biotechnology for Food, Plant and Animal Pathway:

- Agriculture, Food and Natural Resources – 10105 – Grades: 10-11 – Offered 2020-2021
- Science and Technology of Food – 11010 – Grades 10-11 – Offered 2020/2021
- Applications of Food Science and Safety – 11030 – Grades 11-12 – Offered 2021/2022
- Agricultural and Environmental Systems Capstone – 10190 – Grade: 12 – Offered 2021/2022

### eSTEM Academy CTE Courses

#### Engineering Design Pathway:

- Intro to Engineering Design (Engineering Design) – 175001 – Year Long – Grades: 9-12
- Principles of Engineering (Engineering Principles) – 175002 – Year Long – Grades: 9-12
- Computer Integrated Manufacturing – 175006 – Year Long – Grades: 9-12
- Digital Electronics – 175007 – Year Long – Grades 9-12
- Design Capstone (Engineering Capstone) – 175009 – Semester 2 – Grades: 9-12

#### Energy & Natural Resources Pathway:

- AC Clean Energy Systems (Clean Energy) – 10999 – Year Long – Grades: 10-12
- AC Clean Energy Applications (Electronic & Electrical Systems) – 10215 – Year Long – Grades: 10-12 – Offered 2021/2022
- AC Clean Energy Strategies (Energy Systems Management) – 10715 – Year Long – Grades: 10-12 – Offered 2022/2023
- AC Clean Energy Innovations (Environmental Systems Management) – 10725 – Year Long – Grades 10-12 – Offered 2023/2024



## Encore Academy CTE Courses

### **Performing Arts Pathway:**

- Business of Arts and Communication – 340006 – Year Long – Grade: 10
- Musical Theatre – 340245 – Year Long – Grade: 11
- Stagecraft – 340250 – Year Long – Grade: 12
- Arts and Communication Capstone – 340009 – Year Long – Grade: 12

# Course and Credit Options

## Course Levels

Note: Students taking Advanced Placement (AP) courses in biology, American History or American Government may take and substitute test scores for end-of-course state exams to earn graduation points. Students also may substitute grades from College Credit Plus courses in these science and social studies subjects for end-of-course state exams.

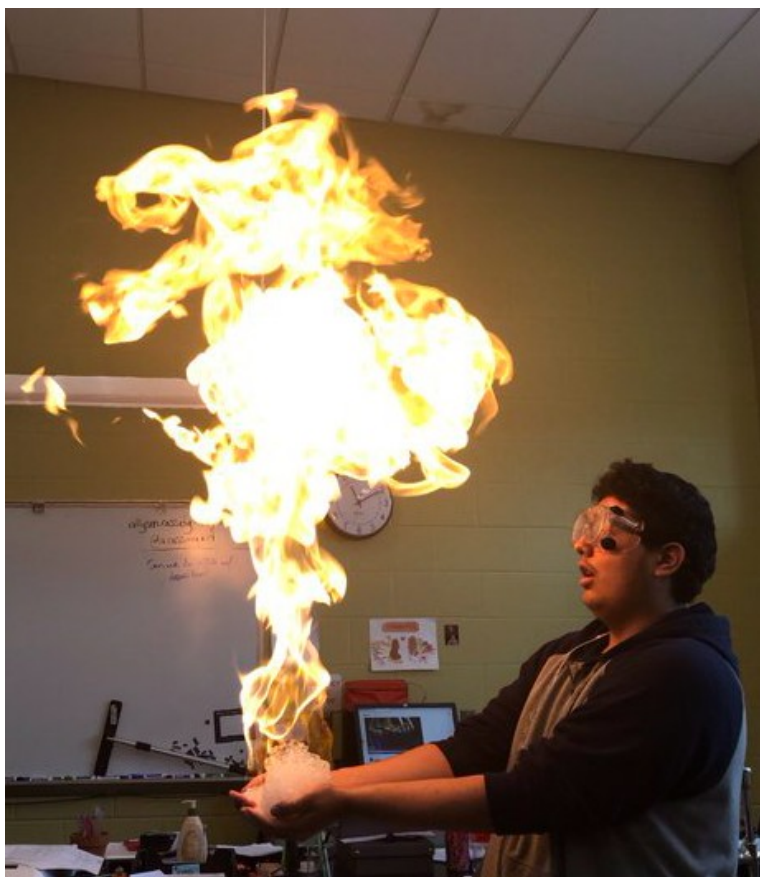
**College Preparatory (CP)** - Unless otherwise indicated, all courses are college preparatory in order to provide a rigorous curriculum aligned with state standards and connected to the student's pathway. These classes prepare students for a variety of postsecondary experiences, including higher education and/or the workforce.

**Enriched Courses (E)** are designed to challenge learners. Students enrolled in these courses are expected to utilize independent learning and study skills and dive deeper into the subject area. Additional projects may be required. Students selecting enriched courses will take a weighted assessment in order to earn the enriched credit.

**Advanced Placement Courses (AP)** are designed to challenge students no matter their post-high school plans. Rich course material and vibrant classroom discussions help students develop content mastery and critical thinking skills expected of today's graduates. In addition to content, AP courses focus on preparation for the College Board AP tests. Successful completion of the course and AP exam translates into college credits for students. Scholarships to support AP exams fees are available for families with financial need.

**College Credit Plus (CCP)** - Students have the opportunity to enroll in college-level courses and receive college credit. Students who successfully complete CCP courses earn high school and college credit which can be presented to any post-secondary institution (pending their requirements and approval).

**Capstone and/or Internship** - Each pathway has an identified capstone and internship course designed to be taken senior year. These courses tie together the key learning objectives students have learned during the pathway. During the courses, students will be expected to work a designated number of hours at a local business related to the pathway, research a topic of interest within the pathway, and present on their findings to a committee.





## High School Course Credit in Middle School Information

Students in the Reynoldsburg City Schools have the opportunity to take high school courses and earn high school credit in middle school. The Reynoldsburg City Schools District's Board of Education policy determines the requirements for students earning high school credit for a course taken in middle school.

Before enrolling in a high school credit course in middle school, please ensure that you review how this decision will impact your student's transcript and grade point average (GPA).

### **How Credit is Earned**

Students earn high school credit for high school courses offered in middle school by passing the course with a grade of D or higher. The final grade for each course is calculated by an average of the grade in each grading quarter and the semester exams.

### **Enriched High School Course Credit**

Students who enroll in the Enriched section of a high school credit course receive a weighted grade of 0.5 for the GPA calculation. This makes an A=4.5, B=3.5, C=2.5, and D=1.5 for GPA calculations.

### **How Grade and Credit is Reported**

High school credit courses in middle school result in three items that report to the student's high school transcript

- The student's grade for the course will appear on the student's high school transcript.
- The credit earned will appear on the high school transcript and count toward graduation requirements.
- The student's grade for the course will be calculated as part of their high school grade point average (GPA).

**Dropped Course Policy**

Students may opt to withdraw from a high school course without penalty if he/she withdraws within 10 days of the start of the school year. Students who drop a course after the first 10 days of the class must Withdraw Fail (WF). A grade of WF will be listed on the official transcript with a 0.0 grade attached. Please note, the WF negatively impacts GPA.

**Retaking Courses**

If a student's final course grade is: (I) did not master, (F) failed, or the grade of "D," students may retake the course. Although the original course grade will be reported on the student's transcript, the new grade from the retaken course will replace the previous course's grade and the retaken course's grade will be used for GPA calculation.

**Support for Middle School Students**

While taking high school courses in middle school does impact the students' transcript, there are supports throughout the course to help students succeed. Students in most courses will receive a Written Acceleration Plan (WAP) that outlines steps for success and support. Teachers who teach high school credit courses in middle school have had training and understand the balance of rigor of the high school courses with the knowledge that these are middle school students who are taking the higher level content.

**The attached Acknowledgement Form will need to be completed and submitted by XX/XX/XXXX.**



## High School Course Credit in Middle School Information

### High School Credit Acknowledgement Form

*This form is to be completed and submitted to the student's homeroom teacher by XX/XX/XXXX. Questions should be directed to your student's teacher(s) or the building principal.*

Student ID Number: \_\_\_\_\_ Grade: \_\_\_\_\_

Student Name: \_\_\_\_\_

#### **I attend the following school:**

- Hannah Ashton Middle School
- STEM Middle at Baldwin Road
- Waggoner Road Junior High

We have read and understand the High School Credit Information presented on the previous page.

As a student, I am committing to participate in high school courses and put forth my best effort.

My parents and I understand that this commitment is binding and the attempt to earn credit, as defined on the previous page, will become a permanent part of my high school transcript and GPA.

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_



Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Choosing Courses That Are the Right Fit

Course Type	Intended For	Considerations	Course Registration	Academic Content
<b>Enriched Coursework</b>	Students who desire enrichment opportunities in preparation for Advanced Placement or college coursework.			Ohio's Academic Content Standards are enriched with rigorous content and higher-level thinking skills to prepare students for success with AP and college coursework.
<b>College Credit Plus</b>	<p>Students taking coursework at the college level offered in conjunction with area colleges or universities.</p> <p>Students who score College and Career Ready based on Accuplacer or ACT test results.</p>	<p>Students receive credit for successful completion of the course with a C or better, as well as receiving credit at the college or university.</p> <p>This is a good way to demonstrate the student's abilities to handle college-level coursework when applying to college or universities.</p> <p>This is advanced-level coursework will require the student to be self-motivated and organized beyond the typical high school expectations.</p> <p><b>*These courses have the possibility of being cancelled due to our College partners not having a professor to teach the course, or if there are not enough students who sign up for the course.</b></p>	<p>These courses can fill up quickly, and seats are limited because of the limited number of faculty and courses available.</p> <p>The student must be accepted into the course at the college/university level.</p> <p>Students will complete the admissions process prior to beginning the next school year.</p>	All curriculum is delivered at a college level with college expectations, without exception.

<b>Advance Placement Coursework</b>	Students who desire to earn possible dual high school and college credit.	College credit is awarded individual by the institution and requires a successful score on AP exams in each content area.  AP course grades are weighted in the calculation of the GPA each grading period if	Students apply during registration process.  Students must successfully complete prerequisite coursework.	Advanced Placement content as recommended by the College Board.
		students complete the AP exam.		
<b>Career Center</b>	Students who have visited Eastland or Fairfield Career Centers and found a program in which they would like to enroll.	Depending on the program, students will be prepared to enter a four-year or two-year college program or the workforce.	Application on file with school counselor.  Registration based on program acceptance.	Program descriptions found in published material from the career centers.
<b>Online</b>	Students taking coursework that is offered in conjunction with area providers.	Students receive high school credit for successful complete of the course.	Seats may be limited and determined on a yearly basis.	Program description found by contacting the area provider.
<b>Credit Flex</b>	Students who are prepared physically and mentally for challenges and learning experiences outside the high school environment.	Trips, club sports, hobbies, and other types of life experiences can qualify as credit flex, providing credits to the student's transcript.	Application and approval for credit is necessary. The approval must come prior to the experiences or credit flex opportunity.	This can vary greatly, but often involves credit for courses that are not core academically, such as physical education, health, foreign language, etc.



## College Credit Plus

Ohio's College Credit Plus program can help students earn college and high school credits at the same time by taking college courses from community colleges or universities. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students. Taking a college course from a public college or university through College Credit Plus is **free**. That means no cost for tuition, books or fees. If a student chooses to attend a private college or university, he/she may have limited costs. In accordance with Bylaw 4-4-1, all College Credit Plus courses must count toward high school graduation.

Reynoldsburg City Schools has partnered with colleges to provide a full menu of courses for college credit. Our college partners include:

- Columbus State Community College
- Otterbein University
- The Ohio State University
- Central Ohio Technical College
- Ohio University
- Capital University

Students have several choices, and may use a combination of them, to complete up to two years' worth of college before they graduate from high school.

Reynoldsburg High School has agreements with the colleges for specific courses, however, students can choose to take College Credit Plus courses from any college that offers a course that would benefit his/her future.

This could include online courses. These courses have the possibility of being cancelled due to our College partners not having a professor to teach the course, or if there are not enough students who sign up for the course.

### College Entrance Requirements

Some schools require one of the following readiness assessments for placement into College Credit Plus. It is highly recommended that you review the program requirements and obtain a copy of the regulations governing College Credit Plus. This information can be found at the [Ohio Department of Higher Education website](#). In addition, eligible students selecting to participate in CCP must be certain that the faculty members at the post-secondary institution understand that they will need to provide grades or a progress report at the time when the high school's grading period is over. Any student-athlete is taking enough post-secondary course work exclusively or between the post-secondary institution and the high school combined to be equivalent to five one-credit courses.

CCP Entrance Test	Suggested time-line for taking test
PSAT	Given to sophomores and any junior who placed in the 70 <sup>th</sup> percentile the previous year.
ACT plus writing, SAT	Second semester of sophomore year is recommended. All students starting with the graduating class of 2018 will be given the ACT during their Junior Year of high school in accordance with state guidelines.
Accuplacer	Accuplacer is a placement test used to determine readiness for Columbus State Community College coursework. Any student interested in College Credit Plus opportunities will take the test in the spring of the year before they wish to register for College Credit Plus coursework.

College Credit Plus FAQ	
College Credit Plus (CCP) Course Credit Equivalency	<ul style="list-style-type: none"> <li>Calculating equivalency of college credits is conducted in the same manner as in the high school.</li> <li>College courses for which three or more semester hours of credit are earned are awarded one high school.</li> <li>Fractional Carnegie units will be awarded proportionately.</li> </ul>
How does taking a CCP Course impact my transcripts?	<ul style="list-style-type: none"> <li>CCP grades will appear on a student's high school transcript and will be averaged into his/her GPA.</li> <li>Each CCP course is on a weighted (5.0) scale.</li> </ul>
All CCP courses taken for college credit will start/become part of your college transcript and CCP grades will be computed into your college GPA.	<ul style="list-style-type: none"> <li>Classes failed or withdrawn with an "F" will receive an "F" on <b>both</b> the high school and college transcript. This may affect future eligibility for college financial aid.</li> <li>If a student fails a CCP course, the district may request reimbursement for all money paid to the university on the student's behalf. The district may also place a hold on a student's grades/credits until reimbursed.</li> </ul>
How do CCP courses impact my graduation eligibility?	<ul style="list-style-type: none"> <li>Students enrolled in CCP courses are still required to meet all Ohio graduation requirements for a high school diploma; however, some CCP courses may satisfy some subject and testing requirements.</li> <li>Students enrolled in CCP Courses are still required to pass five 1- credit courses (or the equivalent, per grading, with the CCP and HS courses combined).</li> </ul>
How do CCP courses impact my athletic eligibility?	<ul style="list-style-type: none"> <li>In accordance with Bylaw 4-4-1, all courses taken in College Credit Plus must count toward high school graduation.</li> <li>A class should not be dropped without first consulting the counselor to determine whether it will affect athletic eligibility.</li> </ul>

<p>CCP Retake Guidelines</p>	<ul style="list-style-type: none"> <li>● A student that receives a letter grade of D or better earns credit for that course and is not eligible to have the school district pay for a retake of that course.</li> <li>● If a student chooses to retake a course in which a passing grade has been earned, the student is responsible for paying for this course and materials associated with it.</li> <li>● If a student earns a letter grade of F and that student is considered economically disadvantaged, the school district will pay for the retake.</li> <li>● If a student earns a letter grade of F and the student does not fall into the category of economically disadvantaged, the district may pay for the retake if he/she meets the criteria outlined on the <a href="#">CCP website</a>.</li> </ul>
<p>How can I get started taking CCP courses?</p>	<ul style="list-style-type: none"> <li>• Attend one of the scheduled College Credit Plus parent meetings and/or meet with your counselor for further direction. These meetings are held each February.</li> <li>• Make arrangements with your counselor to take the Accuplacer and/or ACT test if you haven't already done so.</li> </ul>



## Advanced Placement and College Credit Plus Comparison

Advanced Placement (AP)	College Credit Plus (CCP)
<p><b><u>Why?</u></b> Completion of AP courses with qualifying exam grades are accepted for credit, accelerated placement, or both by most colleges and universities.</p>	<p><b><u>Why?</u></b> Completion of CCP courses allows students to earn transcribed college credit toward a degree or career certification during high school.</p>
<p><b><u>What?</u></b> A challenging academic program designed to provide high school students with college-level academic courses. Year-long courses are offered at both high school campuses.</p>	<p><b><u>What?</u></b> An opportunity to take college courses and earn both high school and college credit. Semester-long courses are offered at both high school campuses and at the Columbus State Regional Learning Center and other area colleges and universities.</p>
<p><b><u>When?</u></b> AP courses are typically available to students at the sophomore, junior, and senior levels.</p>	<p><b><u>When?</u></b> CCP courses are available to any student in grades 7-12 who meets the admission requirements of participating colleges or universities.</p>
<p><b><u>Where?</u></b> Most courses are offered at both high school campuses, but some may only be offered at specific buildings.</p>	<p><b><u>Where?</u></b> Courses are offered in at least one high school campus; other courses can be taken on college campuses or online.</p>
<p><b><u>Assessments</u></b> At the end of each year-long course.</p>	<p><b><u>Assessments</u></b> At the end of each college or university semester.</p>



## Credit Flexibility

This education option gives students a way to be in charge of their learning. Some students see more value in school (“Why do I have to learn this?”) when they can connect learning with real world situations and future jobs. Credit flexibility is one way to increase a student’s interest in school and motivation to learn.

The key to credit flex is that the student drives the request to learn differently as well as the plan to earn the credit. A specific interest of the student is the basis for the request. The family starts by listening to their child.

1. Every school district has a policy on credit flexibility. The student and family should find and review the policy.
2. The student and family talk with the principal, counselor and teachers about the way to fulfill the student’s request and to meet requirements for earning a high school credit or credits.
3. The school approves the plan which includes how the student will know he or she has succeeded. In some cases, the “how” could be a test, a project or a combination of several measures.

The teacher assigned with the plan ensures the student is doing the work, meeting the goals, and making progress in learning. If the student does not complete all elements in the plan or is not successful in demonstrating the knowledge and skills needed, then the student will not earn the credit. If this occurs, the student can go into a traditional classroom to earn the credit. It is the responsibility of the student to do the work to succeed in the plan. The teacher guides the student with feedback.



There is not one way to develop a credit flexibility plan, and the Ohio Department of Education does not provide a model plan. The student, school and family create the plan together. This includes discussion about any costs associated with the plan. The school may cover some costs, while families may need to handle some costs. The plan should include the costs and responsibility for payment.

### How to Earn Flex Credit

Students work on an Individualized Credit Flex Plan in conjunction with the Guidance Counselor and a highly qualified teacher to develop a plan for earning credit outside of the school day. The teacher of record is responsible for monitoring work completion and giving a final grade, and the guidance counselor is responsible for proper reporting of the course in PowerSchool.

## EXPLORE THE POSSIBILITIES

Eastland- Fairfield Career & Technical Schools offers nearly 40 programs for you to choose from while you're in high school. Their programs provide you with the opportunity to pursue your talents and interests, whether you're planning to pursue college or a real-world career. It's a head start that lets you explore your choices now, and can help you make the most of your choices after graduation.

### **Agricultural & Environmental Systems:**

- Animal Management (FCC)
- Environmental Science (New Albany High School)
- Landscape Design & Management (ECC)

### **Arts & Communication:**

- Graphic Design (ECC)
- Performing Arts (Reynoldsburg H.S. – Livingston Campus)

### **Finance/Business & Administrative Services/Marketing:**

- Fashion Merchandising (Canal Winchester High School)
- Marketing & Logistics Management (Groveport Madison High School)
- Medical Office (ECC)

### **Construction Technologies:**

- Architecture/Construction Management (Gahanna Lincoln H.S. – Clark Hall)
- Construction (FCC)
- Electrical (ECC)
- Heating, Ventilation, Air Conditioning & Refrigeration (FCC)

### **Education & Training:**

- Teaching Professions (Gahanna Lincoln H.S. - Clark Hall)

### **Health Science:**

- Bioscience (Gahanna Lincoln H.S. - Clark Hall)
- Dental Assisting (ECC & FCC)
- Exercise Science (FCC)
- Pharmacy (FCC)
- Pre-Nursing (FCC)

### **Hospitality & Tourism:**

- Culinary Arts (ECC)

### **Human Services:**

- Cosmetology (ECC & FCC)
- Employability Prep (Offsite)
- Nail Services (FCC) (Senior Only)
- Project SEARCH (Offsite)

### **Information Technology:**

- Cyber Security (FCC)
- Interactive Media (ECC)
- Multimedia (Pickerington High School North)
- Programming & Software Development (ECC)

### **Law & Public Safety:**

- Criminal Justice (ECC & FCC)

### **Manufacturing Technologies:**

- Pre-Engineering (ECC)
- Welding (ECC)

### **Transportation Systems:**

- Agriculture & Heavy Equipment (ECC)
- Automotive (ECC & FCC)
- Auto Body & Paint (ECC) (Senior Only)
- Aviation (ECC)

### **Locations:**

- (ECC)-Eastland Career Center, Groveport
- (FCC)- Fairfield Career Center, Carrol

## Academic Policies

### ACADEMIC LETTER

Starting with the 18-19 school year, the Reynoldsburg School District will award academic letters for deserving students. No retroactive awards will be given and awards are based on the date that the School Board decides to approve the purchase of academic letters. The purpose of awarding academic letters is to emphasize the main purpose of school with focus of attention on academic achievement of students without attendance or truancy issues. The district will celebrate each subsequent year of achievement separately with a distinctive pin. The guidelines for awarding the academic letters are:

- 3.5 cumulative GPA (unweighted)
- Maintain for 4 consecutive terms of year
- 1<sup>st</sup> year – letter
- 2<sup>nd</sup> year – bar pin
- 3<sup>rd</sup> year – bar pin
- 4<sup>th</sup> year – lamp of knowledge pin

### CLASS RANK COMPUTATION

Reynoldsburg City Schools do not rank students by grade point average.

## Nationwide Children's Sports Performance Program

### COURSE DESCRIPTION

This course is designed to give students the opportunity to learn weight training concepts and techniques used for obtaining optimal physical fitness. Curriculum will emphasize physical conditioning, knowledge of muscle groups, appropriate techniques, and correlation of movements across different movements. The content will be mastered through physical fitness testing, cardiorespiratory exercise, muscular strength, muscular endurance, flexibility, and conditioning drills. This class will follow a weight-training program specifically designed to develop overall strength, explosiveness and speed for athletics. Strength Coach as well as PE teacher will be in class. The weight Training Class will be sports specific as established by Strength Coach and PE instructor.

### ORGANIZATION

Students are expected to participate in each class to the best of their ability. Active and cooperative participation is critical for a student to be successful. Without quality participation it is impossible to pass Physical Education. It is expected that all students will conduct themselves in a SAFE and RESPECTFUL manner. This is a class that will combine written work to demonstrate an understanding of the topics and active practice to demonstrate the skills presented to the class. While the students are in this course they will be expected to give a superior effort in all tasks. For all activities students are expected to be properly dressed and ready to start class no later than 3 minutes after the bell.

### GRADING PROCEDURES

- **Participation points** are based on the students showing cooperation, safety, effort, respect, and resolving conflict throughout the lesson. Each reminder about these will result in a deduction of points. This is a continuous observation of the students.

- **Written assessments** are used to show understanding of the different concepts gone over in the units. This will include but is not limited to notebook checks, goal creating, reading packets, homework assignments, tests, and quizzes.

- **Fitness assessments** will assess improvement of the student's fitness levels throughout the class.

## **REQUIRED SUPPLIES**

All students need to wear appropriate clothing for Wellness class. Appropriate clothing includes athletic shorts, t-shirt, sweatshirt, and/or sweatpants and tennis shoes only. All attire must follow the school dress code. When items are not locked up they may come up missing. It is your responsibility to lock up your personal belongings. It is recommended that you bring items you need to class daily. Wellness instructors are not responsible for lost or stolen items.

## **DAILY PARTICIPATION POINT BREAKDOWN**

- Each day = 10 points.
- Lack of effort, respect, sportsmanship, cooperation, and safety = -2 points for each infraction
- Failure to wear appropriate attire = 0
  - o You can earn back 5 points for the day but still participating
  - o Absent = 0
  - o Absences: Each absence, excused or unexcused, will result in a point deduction in your daily participation grade. If you miss a class for an excused absence it is your job to complete the make-up work.

## **MEDICAL EXCUSES**

It is our philosophy that students well enough to come to school are well enough to dress and participate, to the best of their ability. A written note from a doctor or physical therapist is required if the student is going to be absent from PE class for more than one week. Students who are under a doctor's care for an extended period of time need a doctor's note to return to physical education class.

## **MAKE –UP ASSIGNMENT**

**Make-up work can be completed if a class is missed due to an excused absence or cannot participate because of a medical excuse, all points for the day can be earned back, or if there is a failure to change for class, half points for day can be earned back.**

## **MISCELLANEOUS RULES**






- The locker rooms will be locked during class time, so be sure to have what you need and take care of personal matters prior to class.
- Please do not open the gym doors for students not in our class for this is a class disruption and unsafe
- Be on time for class.
- Electronic devices should not be used in class.
- No food or drink in the gymnasium, wrestling room, weight room, and pool area. A water bottle with a lid will be permitted.

## **TEACHER DISCRETION**

The teacher has the discretion to add or change rules to help to manage the classroom in a more effective manner. Feel free to call or email your questions or concerns.



## Course Catalog

College credit can be earned.	Course has associated fees.	Course counts for NCAA eligibility.	Course leads to an industry credential.	Course is part of a career pathway.
				





## English Language Arts

### **LA211 English 9**

#### **LA211E English 9 Enriched**

**Grade Level: 9**

**Length/Credit: 1 year – 1.0 credit**



This course will use a variety of literature and reading strategies that bring to life ideas about common patterns of human experience throughout time. Students in this course will collaborate, discuss, research, write and present orally. Additionally, dramatic inquiry strategies will be used throughout reading and analysis processes of various texts.

### **LA221E English 10**

#### **LA221E English 10 Enriched**

**Grade Level: 10**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: English 9**



English 10 requires reading and writing on a daily basis. Students develop reading, writing, speaking and listening skills while studying fiction, non-fiction, poetry and drama. Writing assignments will include informal journaling, letter writing, and developing narrative, persuasive, informational and research-based papers.

Students will work to improve their vocabulary, grammar, sentence structure and style in writing throughout the year.

### **LA231 English 11**

#### **LA231E English 11 Enriched**

**Grade Level: 11**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: English 10**



English 11 focuses on non-fiction and fiction depicting the cultural values, beliefs and behavior of 20th century global citizens. Students focus on the writing, research, speaking, and discussion necessary for success in life. Reading skills focus on

increased understanding as reading moves from simple to complex. Nonfiction will also be incorporated into the class often, especially as related to primary sources and a choice book.

### **LA252 English 12**

#### **LA252E English 12 Enriched**

**Grade Level: 12**

**Length/Credit: 1 Semester or 1 year – ½ credit to 1.0 credit**

**Prerequisite: English 11**



English 12 focuses on increased understanding as reading moves from simple to complex. An emphasis is placed on argumentative writing and supporting an opinion with strong examples for different purposes of writing and speaking. Students will also practice writing resumes, cover letters, and college essays. Research skills practiced in the third year will continue to be important, culminating in a 3-5-page research paper and presentation in the 4th quarter.

### **LA250 Contemporary Texts and Composition**

**Grade Level: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: English 10**



This course focuses on the study of contemporary texts and requires extensive reading and writing. Students develop their critical reading and writing skills while studying audience, purpose, content, structure and style of various pieces.

Students also participate in weekly writing workshops to develop verbal public communication and debate skills.

## **LA268 Technical Writing & Communications**

**Grade Level: 11, 12**

**Length/Credit: 1 year -- 1.0 credit**

**Prerequisite: English 10**



Technical Writing & Communications examines new opportunities for covering science using technology with the skills required to produce clear and understandable writing about technical subjects, important ethical and practical constraints that govern the reporting of scientific information, and the cultural place of science in our society. The class features several written assignments and discussion of readings from various media. The final grade for the course is based upon a portfolio of writings including, but not limited to, a review of online sources, news briefs, interviews with scientific and technical professionals, scientific posters and laboratory reports.

## **LA275 Introduction to Public Speaking**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



This course covers subject matter and experiences in speech. Students will learn and demonstrate strategies for writing and delivering speeches and other oral presentations. Students will prepare speeches for a variety of purposes and audiences and discuss foundational aspects of public speaking, such as voice control, rhetorical argument, and oral interpretation.

## **FA040 Creative Writing**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



Students learn new strategies for creative writing and perfect their writing conventions and processes to better express feelings through poetry, prose, and narrative writing. Students write personal narratives based on their own experience and short fiction drawn

from their imaginations. Opportunities may also be provided for writing poetry.

## **ENGL106 African & African American Literature Enriched**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**



In this course we will examine both fiction and non-fiction works from the time of creation to present. Through literature we will: Read and analyze pieces that give us insight on traditional African culture, investigate the Transatlantic Slave Trade, rediscover the Black experience in America during slavery, the Jim Crow south, and the Civil Rights Movement and evaluate current events and examine the future of America as it relates to people of African descent.

## **ENGL107 African & African American Literature II Enriched**

**Grade: 12**

**Length/Credit: 1 year - 1.0 credit**

**Prerequisite: ENGL106 African & African American Literature Enriched**



This course is a continuation of African American Literature Enriched.

## **COMM101 Mass and Social Media**

**Grade Level: 11, 12**

**Length/Credit: 1 semester – ½ credit**



This course is an introduction mass media, and social media. Students will study the development of communication, and the progression into today's methods, and procedures. Students will experience utilizing mass and social media to enhance the Language Arts standards and curriculum, and prepare for future studies at the collegiate level.

## COMM102 Media Broadcasting

**Grade Level: 11, 12**

**Length/Credit: 1 semester – ½ credit**



Students will study the history and progression of broadcast media, and will learn the modern strategies and theories in the field. This class will be a hands-on implementation of various English Language Arts standards, and will include producing video media content, and broadcast news programs.

### Advanced Placement

## LA237 Advanced Placement Literature and Composition

**Grade Level: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: English 9 and 10**



AP Literature and Composition engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the way's writers use language to provide both meaning and pleasure for their readers.

Writing assignments aim to increase students' ability to explain clearly and elegantly what they understand about literary works and why they interpret them as they do.

## LA 239 Advanced Placement Language and Composition

**Grade Level: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: English 9 and 10**



AP Language and Composition engages students in becoming skilled readers in a variety of periods, disciplines and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes.

Through the close reading of selected texts, students examine the interaction among

speaker, audience, and message and analyze how and why authors craft a text in a certain way. A focus on argumentative writing improves students essay organization and use of strong supporting ideas. Vocabulary and class discussion are also vital parts of this course.

### Extension Courses

## EXRA Reading Acceleration

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**

This course is designed for students that are demonstrating mastery in their English course and need additional curriculum to challenge them outside of their normal class time.

## EXAW Writing Acceleration

**Length/Credit: 1 semester -- ½ credit**

**Grade: Pass/Fail**

This course is designed for students that are demonstrating mastery in their English course and need additional curriculum to challenge them outside of their normal class time.

## EXRR Reading Plus

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**

This course is designed for students that are not demonstrating mastery in their English course and need additional curriculum to help them close the achievement gap between them and their peers.

## EXRW Writing Plus

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**

This course is designed for students that are not demonstrating mastery in their English course and need additional curriculum to help them close the achievement gap between them and their peers.

**TESOL- English as a Second Language I**  
**TESOL- English as a Second Language II**  
**Length/Credit: 1 year – 1.0 credit**  
**Grade: Pass/Fail**

This course is designed for individuals whose primary language is not English. The study of the English Language and culture leading to the ability to function in everyday situations as well as in academic setting, with a special emphasis on Ohio's

English Language Arts Academic Content Standards.

**ELE1001 Confidence in Communication**  
**Grade Level: 10, 11, 12**  
**Length/Credit: 1 semester – ½ credit**  
**Grade: Pass/Fail**

This course is designed for students that are demonstrating mastery in their Language Arts course and need additional curriculum to challenge them outside of their normal class time. This course provides students with instruction and practice to help them improve their organization, speaking, and vocabulary skills. All students will be instructed in the art of public speaking, outlining, logical reasoning and oral presentation techniques.





## Fine Arts

### FA001 Music Theory

**Grade Level: 11, 12**

**Length/Credit: 1 semester – ½ credit**



Music Theory is a course designed for the student who is planning a career in music or the student who just wishes to dig a little deeper into the fundamentals of music.

This semester course will build on basic music knowledge, and will also include music composition. This course is open to juniors and seniors who are in the school band, choir, or orchestra programs, or other upper classmen with permission of the instructor.

### FA022 2-Dimensional Design

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This course is an introduction to the basic concepts of two-dimensional design: line, shape, space, hue, value and texture.

Students will use of various media in a variety of problem-solving projects leading toward an awareness of the principles of visual organization.

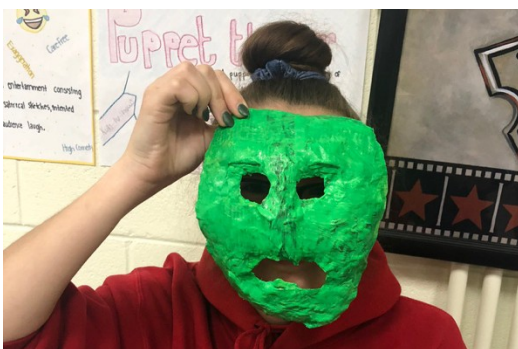
### FA024 Life Drawing

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Students will draw from still life, photographic references, and finally live models. Through a series of demonstrations, in-class drawing, group critiques, and individual assistance from the instructor, students will develop their ability to draw convincingly from life.



### FA026 History of Art

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This course is an historically based introduction to the study of visual arts in the West. Through a critical examination of the fundamental formal concepts and the historical developments in the visual arts, this course examines the visual expression of culture from the Prehistoric era to the early Renaissance.

### FA030 Fundamentals of Dramatic Inquiry

**Grade Level: 9, 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



Students will explore Shakespeare's works through dramatic inquiry. Students will be asked to participate in performances and activities that allow them to act out scenes from famous plays.

### FA032 Adobe Photoshop

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This class provides the student with basic and intermediate level knowledge of Adobe Photoshop software. This software will enable the student to design multi-layer digital images. Intermediate to advanced level projects are used for evaluation.

### FA033 Adobe InDesign

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This course expands student's skill sets in Adobe InDesign. Emphasis will be placed on layout, objects, text, typography, color, creating styles, modifying graphics, creating tables, working with transparencies, and exporting a file.

**FA034 Digital Software****Grade Level: 10, 11, 12****Length/Credit: 1 year – 1.0 credit**

Digital software is designed to educate students on the ever-changing digital world, as well as to provide hands-on experience with industry standard software and equipment. Topics include operating systems, typography, vector and bitmap imaging, page layout, PDF creation and editing, timeline-based video editing, file transfer, output, web, emerging technologies, and other material relative to the digital visual arts workflow.

**FA035 Media Graphics &****Optimization Grade Level: 10, 11, 12****Length/Credit: 1 year – 1.0 credit**

From script to storyboard and special effects, students develop products focused on a central theme and purpose. Using commercial and open-source digital animation software, they create an illusion of motion that extends beyond traditional frame-by-frame footage. They learn skills and techniques involving music, animation, text, voice, photos and videos. Products are adjusted for access through computers, mobile devices, game consoles, projectors, radio and TV.

**FA039 Principles of Interactive Design****Grade Level: 10, 11, 12****Length/Credit: 1 year – 1.0 credit**

This class introduces students to the products, tools, and environment of the interactive multimedia profession. The course covers elements of communication, marketing, Web development, digital media and graphic design. The focus is then on designing, choosing software and scripting the interactive media project.

**FA038 History of Rock & Roll****Grade Level: 10, 11, 12****Length/Credit: 1 semester – ½ credit**

This course examines the history of rock and roll, primarily as it unfolded in the United States from the early days before rock (pre-1950's) to now. Large emphasis will be placed on the historical and social context connected to the emerging styles of rock and roll. Students will also learn about specific artists, such as Elvis Presley, Chuck Berry, Bob Dylan, The Beatles, Jimi Hendrix and the Rolling Stones, who defined rock and roll through listening, video clips, reading and discussion.

**FA041 Storyboarding****Grade Level: 10, 11, 12****Length/Credit: 1 year – 1.0 credit**

This class will focus on storyboarding and developing ideas as key pre-production tools for narrative animation, film, and gaming projects. The lectures, class work, and assignments will help students to expand their own cinematic drawing techniques, and help them to develop clear and dynamic stories for the screen.

Students will develop their personal style of boarding and complete a comprehensive pre-production blueprint for a project of their own choice.

**FA075 Women's Chorus****Grade Level: 10, 11, 12****Length/Credit: 1 year – 1.0 credit****Fee: \$40**

This all-female group consists of students in grades 10, 11, and 12 and performs a variety of choral literatures written specifically for women's voices. The Women's Chorus presents three concerts a year as well as other school and community performances upon request. In addition, the choir may participate in large group contests—District and State. Participation in

all performances is mandatory. Some after school rehearsals are required. Apparel expenses are involved.

### **FA076 Men's Chorus**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



**Fee: \$40**

This all-male group consists of in grades 10, 11, and 12 and performs a variety of choral literatures written specifically for men's voices. The Men's Chorus presents three concerts a year as well as other school and community performances upon request. In addition, the choir may participate in large group contests— District and State.

Participation in all performances is mandatory. Some after school rehearsals are required. Apparel expenses are involved.

### **FA079 Chamber Singers**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Fee: \$40**



This is a select group of vocal music students who are interested in a variety of musical styles and simple choreography. The Chamber Singers perform most often outside of the school at social or charity functions as entertainment. The group may also participate in solo and ensemble contest as well as large group contests— District and State. Participation in all performances is mandatory. Participation in Concert Choir, Women's Chorus, or Men's Chorus is mandatory (schedule permitting). Some after school rehearsals are required. Apparel expenses are involved.





### **FA084 Hand Bell Choir**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Hand Bell Choir is open to any students who are interested in learning the technique of hand bell ringing. Students do not need to have any experience in hand bells, but music reading experience is helpful. The Hand Bell Choir presents three concerts a year, as well as other school and community performances upon request. Participation in all performances is mandatory. Some after school rehearsals are required. Apparel expenses are involved.

### **FA085 Symphonic Band**

**Grade Level: 9, 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Fee: \$40**

**Prerequisite: Junior High band or equivalent and permission of director**



The Reynoldsburg High School Symphonic Band studies and performs OMEA Class C- B (Grade 3-31/2) wind band literature.

Repertoire includes a variety of compositions composed or arranged for the intermediate high school wind band.

Performances include three yearly concerts, OMEA Large Group Contest, and OMEA Solo and Ensemble Contest at the discretion of the director. Attendance at all performances and rehearsals is mandatory. This ensemble is best suited for the developing musician who wants to improve on basic band concepts.

### **FA087 Wind Symphony**

**Grade Level: 9, 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Fee: \$40**

**Prerequisite: Junior High band or equivalent and permission of director**



The Reynoldsburg High School Wind Symphony studies and performs OMEA Class A-AA (Grade

4-5). Repertoire includes a variety of compositions composed or arranged for the advanced high school or college wind band.

Performances include three yearly concerts, OMEA Large Group Contest, and OMEA Solo and Ensemble at the discretion of the director. Attendance at all performances and rehearsals is mandatory. This ensemble is best suited for the advanced musician who wants to be challenged and reach their highest potential. Private instruction is strongly recommended.

### **FA089 Marching Band**

**Grade Level: 9, 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

**Fee: \$80**

**Prerequisite: Junior High band or equivalent**



The Reynoldsburg Raider Marching Pride is one of the premier marching ensembles in the state of Ohio. Performances include parades, football games and competitions. The marching band travels to many destinations throughout the season and is the most visible of the high school ensembles.

### **FA093 Prelude Orchestra**

**Grade Level: 9, 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Instrument required; other as listed in the Orchestra handbook**

**Fee: \$40**

**Prerequisite: Audition or permission of the director**



The Prelude Orchestra consists of students who play the violin, viola, cello, or bass. Students learn and perform music from the Renaissance to Modern periods of music. This group will play literature in the OMEA Class B or C categories.

Required after-school rehearsals are part of the curriculum. Participation in all performances (including OMEA State Orchestra Adjudicated Event and tour to the



elementary schools) is mandatory. Solo and Ensemble adjudicated events are available to members of this group. Private instruction is strongly recommended.

### **FA095 Concert Orchestra**

**Grade Level: 9, 10, 11, 12**

**Length/Credit: 1 year -- 1.0 credit**

**Instrument required; other as listed in the Orchestra handbook**

**Fee: \$40**

**Prerequisite: Audition or permission of the director**



The Concert Orchestra consists of students who play the violin, viola, cello, or bass. Students learn and perform music from the Renaissance to Modern periods of music. This group will play literature in the OMEA Class B or C categories.

Required after-school rehearsals are part of the curriculum. Participation in all performances (including OMEA State Orchestra Adjudicated Event and tour to the elementary schools) is mandatory. Solo and Ensemble adjudicated events are available to members of this group. Private instruction is strongly recommended.

### **FA101 Intro to Music Theory**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Students will learn how to read, write, analyze, and perform music in preparation for music theory courses after high school. Music theory is a class designed for the advanced musician to more thoroughly understand the components of music and music composition. Students will also be able to compose music and understand the guidelines used in music composed by others. It is preferred that students can already read music and have been a member of one of our music ensembles before taking this course, but it is not required.

### **FA103 Fab Lab I**

**Grade Level: 10, 11, 12 Length/Credit:**

**1 semester -- ½ credit**

**Course Offered at (HS)?**



This course will explore the different machines used in the Fabrication Lab. Students will master how to use each machine and assist classes using the Fab Lab.



### **FA104 Fab Lab II**

**Grade Level: 10, 11, 12 at (HS)<sup>2</sup>**

**Length/Credit: 1 semester – ½ credit**

**Prerequisite: Fab Lab I**



This course focuses on learning the Fab Lab's various machines for carrying out community orders. Students will learn how to operate the lab's machines and software, gain experience in an entrepreneur-type setting, and complete orders requiring creating thinking, problem solving, collaboration, drive, and high-quality craftsmanship. Student progress will be evaluated through the 21st Century Art Skills, and the course will count as a visual arts elective. Senior interns would also be in the lab at this time to fulfill their internship requirements.

### **FA111 Business of Arts and Communication**

**Grade Level: 10, 11, 12 Length/Credit:**

**1 semester – ½ credit**



From event management to tracking expenses, students learn the business side of visual, media and performing arts.

Students learn and apply intellectual property rights, licensing, copyright, royalties, liabilities and contractual agreements to both profit and non-profit companies. Topics include marketing, branding, producing, promoting, booking, budgeting and merchandising.

### **FA114 Musical Engineering**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



Students put music theory and basic music skill into practice as they engineer sound for live and recorded production. They create, capture, edit, mix and synchronize music into audio and video tracks of various formats. Topics include acoustics, reflection, absorption of sound and reverberation.

Students create products based on

research of audience sensitivity and in compliance with laws related to intellectual property and competition.

### **FA120 Yearbook**

**Grade Level: 9, 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

Students will learn various aspects of the publication process such as page layout design, copy writing, editing, while producing a creative, innovative yearbook. Quality pictures are a skill that will be learned throughout this course. Real world skills such as time management and teamwork will be enhanced throughout this course. Students are expected to work on the yearbook staff for both semesters.

Special Note: Yearbook requires in and out of class work. Students must attend assigned school activities and spend extended periods of time finalizing deadlines. It is the student's duty as yearbook staff to cover all events of the school year.

### **FA121 Becoming a Recording Artist**

**Grade Level: 10, 11, 12 Length/Credit:**

**1 semester – ½ credit**

This course teaches the basic principles of singing and prepares the beginning student





for solo and ensemble performances. Students will promote and practice vocal health, better the student's aural skills and harmony by ear, and instruct correct posture, breathing, and vowel shaping. Vocal repertoire will include pop, rock, R&B, Broadway, classical, and everything in between.

### **FA122 Behind the Scenes**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

Students will explore all opportunities behind the scenes of any production or concert style event. Basic theatre vocabulary will be taught and implemented during class time. Students explore each of the following jobs: producer, director, technician, choreographer, stage manager, stage support, theatre manager, public relations director, and costume designer.

### **FA123 Fundamentals of Acting I Grade**

**Level: 9, 10, 11, 12 Length/Credit: 1 semester – ½ credit**



The study of performance skills will be implemented in this course. The students will explore stage movement, scene study, role analysis and much more. The students will discover practices of improvisational acting and how to prepare for professional auditions. Scripts will be studied from all time frames, old and new.

### **FA124 Musical Theatre**

**Grade Level: 9, 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



This course offering will be intermixed with material from both "Becoming a Recording Artist" and "Fundamentals of Acting." The students will explore in stage movement, scene study, role analysis and preparation for professional auditions.



### **FA125 Fundamentals of Acting II**

**Grade Level: 9, 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

**Prerequisite: Successful completion of Fundamentals of Acting I**



This course is designed for advanced actors and actresses. Performers will showcase their skills throughout the school year. The students will explore advanced stage movement, scene study, role analysis, and the ability to listen and appropriately react during a scene. Students are expected to fully memorize and perform multiple pieces throughout the course.

### **FA300 Digital Video Production 1**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Digital video production will introduce students about how to use the power of audio and video to communicate. Topics covered include basic digital audio and video editing in a non-linear environment, basic shooting and camera work, production planning, importing of assets, and exporting to the Web.

### **FA301 Digital Video Production 2**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Students will learn advanced applications of the production process. Students will analyze specific genres; write an appropriate script for the genre, storyboard, and produce a genre-focused video in a collaborative setting. In addition to genre storytelling, students will learn the proper audio and video aesthetics using a single camera for telling a specific story. Image capture and editing at a digital workstation will be highlighted.

### **FA302 Digital Audio Recording & Production**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Students will develop an understanding of the relationship of audio production to various related media including multimedia and internet streaming (Podcasting). The course is structured around editing in a non-linear environment and the associated standard digital editing practices. Students will learn how to utilize a digital audio workstation and field recording devices in a typical production environment.

### **FA303 Digital Software Fundamentals**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



An examination of the digital tools used in the visual arts. Students are exposed to the theory and function of the major software packages and basic digital design principles utilized in the visual arts. Topics include operating systems, typography, vector and bitmap imaging, page layout, PDF creation and editing, timeline-based video editing, file transfer, output, web, emerging technologies, and other material relative to the digital visual arts workflow.

### **FA1101 Art I**

**Grade Level: 9, 10, 11, 12 Length/Credit: 1 semester – ½ credit**

Students will develop the 8 Studio Habits of Mind while integrating the characteristics of the tools of a selected media in original artworks to support artistic purposes. Students will use learn drawing techniques, elements of art and principles of design to create artwork. Students will analyze how art principles are combined to communicate meaning in the creation, presentation or response to visual art.



### **FA1102 Art II**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

**Prerequisite: Art I or related visual art course**

#### **Course offered at Encore**

Students will develop the 8 Studio Habits of Mind while integrating the characteristics of the tools of a selected media in original artworks to support artistic purposes.

Major focus will be placed on color theory and compositional strategies. Students will create from observation and imagination, emphasizing the subject of their artwork and making it aesthetically pleasing to the viewer by use and investigation of various art making techniques.

### **FA1103 Art III**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Art II**

#### **Course Offered at Encore**

Students will continue to develop the 8 Studio Habits of Mind while integrating the characteristics of the tools of a selected media in original artworks to support artistic purposes. Students will explore and utilize various painting techniques to suggest value, depth, texture and emotion in their work. Students will successfully utilize the principles of design to organize and showcase elements of art.

### **FA1104 Art IV**

**Course Number: 029902**

**Grade Level: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Art III**



Students will continue to develop the 8 Studio Habits of Mind. This course is a rigorous and focused study in art that develops a quality portfolio that demonstrates a mastery of concept, composition, execution and theme by the student. The portfolio will be submitted as

potential college entrance and scholarship opportunity as well as for high school course credit. The course will include historical, social and cultural contexts, creative expression and communication, analyzing and responding, valuing arts/aesthetic reflection.

### **FA118 Advanced Art-Painting Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

This class will explore a variety of painting experiences. Acrylic, tempera and water colors will be used. Students will create both personal paintings and large group paintings for RHS. Solid drawing skills are necessary along with an interest in exploring paint as an artistic medium.

### **FA001CO Advanced Art-Drawing Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

In this class students will work to further the drawing skills that were developed in the Art Foundations class. They will have the opportunity to work with still life, landscapes, animal portraits and people portraits. Students will also work to develop their own personal expressions using a variety of drawing medium.



**FAR1001 Encore Performance Troupe**  
**Grade Level: 10, 11, 12**  
**Length/Credit: 1 semester – ½ credit**  
**Grade: Pass/Fail**

This course is designed for students that are demonstrating mastery in theatre and performing arts and need addition curriculum to challenge them outside of their normal class time. This class will challenge students to learn and grow as they develop expression and performance skills. Students will use this time to prepare for Encore productions.

**FA005W Art History**  
**Grade: 11, 12**  
**Length/Credit: 1 semester – ½ credit**



Students are given the opportunity to create their own history timeline, study the eras of art style online and explore the artist icons of that period. The course will include historical, social, and cultural contexts, creative expression and communication, analyzing and responding, valuing arts/aesthetic reflection.

**ART106 Art and Advocacy**  
**Grade: 11, 12**  
**Length/Credit: 1 year – 2 credits**  
**Course Offered at (HS)<sup>2</sup>**

Students will create artwork to help raise awareness and possible funds for current Non-profits in Reynoldsburg and surrounding areas. Projects may include Empty Bowls Project, Hearts for Breast Cancer Awareness and Awareness projects in Reynoldsburg Schools.

**FAR1002 A History of Film** **Grade Level: 10, 11, 12**  
**Length/Credit: 1 semester – ½ credit**  
**Grade: Pass/Fail**

This course is designed as a complement to theater courses and will focus on the history of film, important terminology, and how different groups have been portrayed through time. Students will learn to critically analyze iconic and Academy Award-winning films and how they have impacted American culture.





## COTC Digital Media Design Pathway Courses

### **DMD100 Fundamentals of Drawing**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1 credit**



3 Credit hours, 7 contact hours (1-hour lecture and 6-hour lab). Course is graded A-F. This course explores the basic techniques of drawing, focusing on composition, proportion, perspective and the basic fundamentals of line, shape, contrast, texture, balance, and unity. Projects include studies of figures, nature and interiors, with the purpose of developing an understanding of how to communicate rapidly with basic analog tools before using digital media. DMD100 replaces DMD3831 Fundamentals of Drawing in the Quarter system. DMD 100 meets the Ohio Transfer Assurance Guide standards for course OAH001

### **DMD101 Digital Software Fundamentals**

**Grade Level: 10, 11, 12**

**Length/Credit: .33 credit**

1 credit hour, 3 contact hours (0-hour lecture and 3-hour lab). Course is graded A-F. This is an overview course, covering the background and formats of digital media and an introduction to digital media software tools. In preparation for further classes, the student will explore the layout of the interface for digital software programs most commonly used in digital media. This course should be taken before any digital media design course requiring the use of digital software. DMD101 replaces DMD3860 Digital Software Fundamentals in the quarter system.

### **DMD104 Design Fundamentals**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1 credit**

**Prerequisite: C grade (2.00) or better in DMD101**



3 credit hours, 5 contact hours (1-hour lecture and 4-hour lab). This course is an introduction to digital design with emphasis on the basic principles, methodologies, and skills important to 2D digital design using key computer graphic tools and software. This course is designated to prepare the student for the next level in his/her selected discipline. DMD104 replaces DMD3820 Design Fundamentals in the quarter system.

### **DMD103 Typography**

**Grade Level: 10, 11, 12**

**Length/Credit: .33 credit**

**Prerequisite: C grade (2.00) or better in DMD101 or concurrent enrollment in DMD101**



This course is an introduction to the history of type and the use of the letterform in digital design. The student will use software tools to develop a creative understanding of and a technical competence in using type as both a holder of content and an integral part of digital design. This course is typically offered on a Term basis. DMD103 replaces DMD3826 Fundamentals of Typography in the quarter system.

### **DMD105 Photographic Composition**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1 credit**



Aesthetics and techniques are essential to producing a good photograph. This course focuses on capturing and manipulating images in digital photography with some skill development in darkroom film processing, printing and enlarging. Topics include camera functions, mechanics of image capture, image manipulation, and print production. Students shoot photographs in various studio and indoor and outdoor settings.

## **DMD108 Multimedia**

### **Production I**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1 credit**



From script to storyboard and special effects, students develop products focused on a central theme and purpose. Using commercial and open-source digital animation software, they create an illusion of motion that extends beyond traditional frame-by-frame footage. Students learn skills and techniques involving music, animation, text, voice, photos and videos. Products are adjusted for access through computers, mobile devices, game consoles, projectors, radio and TV.

## **DMD120 Multimedia**

### **Web Production Grade**

**Level: 10, 11, 12**

**Length/Credit: 1 semester – 1 credit**



The focus of this course is on merging different types of media on the Internet. Students combine text, still photography, audio, videography and graphic arts to create interactive Web pages. They demonstrate creative, digital storytelling accessible from multiple platforms.

## Mathematics

### MA512 Integrated Math I

#### MA512E Integrated Math I Enriched

Grade Level: 9

Length/Credit: 1 year – 1.0 credit

Graphing calculator (TI-84) required



In Integrated Math I, students will deal with the understanding of algebra, recognizing the techniques of algebra in dealing with these basic structures, developing the abilities to apply the learned concepts and skills and developing deductive reasoning skills in students. Topics to be covered include: the relationships between quantities, linear and exponential relationships, reasoning with equations (linear and exponential), descriptive statistics, connecting algebra and geometry with coordinates, rigid motions, and geometric properties.

### MA522 Integrated Math II

#### MA522E Integrated Math II Enriched

Grade Level: 10

Length/Credit: 1 year – 1.0 credit

Prerequisite: Integrated Math I

Graphing calculator (TI-84) required



Integrated Math II is the second course in the Integrated High School Core Mathematics Program. This course will pick up where Integrated Math I left off. Students will study more coordinate geometry, the quadratic behavior of functions, geometric similarity, conic sections, circles and geometric probability. Students will continue to develop their deductive reasoning skills as they study specific topics throughout the course. Upon successful completion of this course, students should consider enrolling in Integrated Math III.

### MA523 Integrated Math III

#### MA523E Integrated Math III

Grade Level: 11

Length/Credit: 1 year – 1.0 credit

Prerequisite: Integrated Math II

Graphing calculator (TI-84) required



This is the third course in the Integrated High School Core Mathematics Program. Students will be studying geometric measurement and dimension, an in depth look at exponential functions, trigonometric ratios and functions, functions (in general), rational and polynomial expressions/functions, and statistics (random processes).



### **MA521 Geometry**

#### **MA521E Geometry Enriched**

**Grade Level: 10**

**Length/Credit: 1 year – 1.0 credit**

**Graphing calculator (TI-84) required**

**Prerequisite: Algebra I or Integrated Math I**



This course emphasizes abstract concepts and logical thinking through inductive and deductive reasoning. Students explore how lines, planes, polygons, circles, spheres and other three-dimensional figures can be used to represent and solve a variety of abstract and real-world problems. Students use tools — from the basic, such as straightedges, compasses, and protractors, to the sophisticated, such as The Geometer's Sketchpad and graphing calculators — to solve problems and learn.

### **MA532 Advanced Algebra with Financial Applications**

#### **MA532E Advanced Algebra with Financial Applications Enriched**

**Grades: 11-12**

**Length/Credit: 1 year – 1.0 credit**



This course analyzes and extends previously studied topics in Algebra 2 and introduces financial applications for those topics. Topics included are relations, equations, functions, systems of equations, graph theory, statistics, basic set theory, probability, and number theory. Each topic is extended to its relationship with financial algebra.

### **MA552 Modeling and Quantitative Reasoning**

**Grades: 11-12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Algebra 2 or its equivalent**



This course is designed to promote reasoning, problem-solving and modeling through thematic units focused on

mathematical practices while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. Quantitative reasoning and modeling involve the application of mathematics to real-world situations, with careful attention to the choice of units and contextual challenges. Problem-solving requires analyzing an unfamiliar situation and devising a solution strategy. Problem-solving and modeling together provide opportunities for students to experience success with mathematics, not merely improve their self-perception.

### **MA534 Trigonometry Enriched**

**Grade Level: 11**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Algebra II or**

**Integrated Math II**

**Graphing calculator (TI-84) required**



Trigonometry is a college preparatory course. This course analyzes previously studied topics in Algebra 2 and introduces more in-depth Trigonometry. Topics also included: logic, relations, functions, basic set theory, counting arguments, proof techniques, mathematical induction, graph theory, probability, and number theory.

### **MA541 Pre-Calculus**

#### **MA541E Pre-Calculus**

**Enriched Grade Level: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Algebra II and**

**Geometry or Integrated Math II**

**Graphing calculator (TI-84) required**



This course is intended for math students with a strong desire to successfully complete Advanced Placement Calculus. This course covers topics in Algebra ranging from polynomial, rational, and exponential functions to conic sections. Strong emphasis is placed on problem solving using both algebraic and geometric representations, and Trigonometry concepts such as Law of Sines and Cosines are introduced. Students begin analytic geometry and calculus concepts such as limits, derivatives, and integrals.

### MA551 Discrete Mathematics

**Grade Level: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Pre-Calculus Graphing**



**calculator (TI-84) required**

This course analyzes previously studied topics in Pre- Calculus and introduces calculus through the study of limits, derivatives, integration and analytic geometry.

### MA565 Statistics Course

**Number: 119550**

**Length/Credit: 1 year – 1.0 credit**

**Grades: 11, 12**

**Prerequisite: Algebra III, Integrated Math III or Pre-Calculus**

**Graphing calculator (TI-84) required**



Statistics introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

## Advanced Placement Courses

### MA561 AP Calculus AB

**Grade: 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Pre-Calculus Graphing calculator (TI-84) required**



In AP Calculus AB, students explore new properties of linear, polynomial, rational, exponential, logarithmic, trigonometric, inverse trigonometric and piecewise-defined functions. Unifying themes will be used to deepen the student's understanding of these functions through analysis, limits, derivatives, integrals, approximation and modeling. Students apply these concepts to real-world problems involving rates of change, optimization, accumulation, area and volume.

### MA566 AP Statistics

**Length/Credit: 1 year – 1.0 credit**

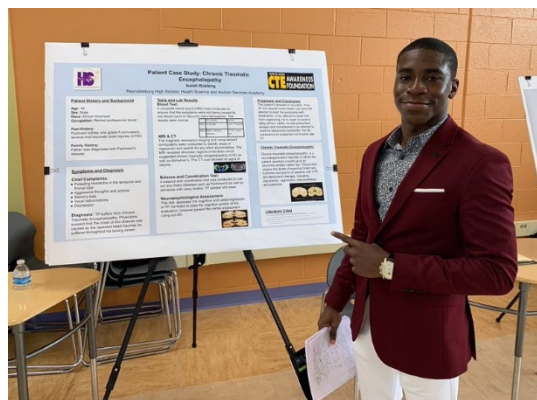
**Prerequisite: Algebra III or Integrated Math III**

**Graphing calculator (TI-84) required**



AP Stats is a rigorous course in probability and statistics. Students are exposed to four broad conceptual themes: exploring data by observing patterns and departure from patterns, planning a study by deciding what variables to measure and how to measure them, anticipating patterns by producing models, and statistical inference. Students will use these conceptual themes to collect, analyze and draw conclusions from data.

The use of technology is expected and students must be able to use a wide variety of technological formats.



**MA567 AP Calculus BC**  
**Length/Credit: 1 year – 1.0**  
**credit Prerequisite: AP**  
**Calculus AB Graphing**  
**calculator (TI-84) required**



AP Calculus BC provides a deeper understanding of the fundamental concepts and methods of single-variable calculus developed in AP Calculus AB. There is a continued emphasis on calculus applications and techniques, with the use of multiple representations including graphic, numeric, analytic, algebraic, and verbal and written responses. Technology is an integral part of the course and includes the use of graphing calculators, computers, and data analysis software.



## Extension Courses

### **EXAM Math Acceleration**

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**

This course is designed for students that are demonstrating mastery in their Math course and need additional curriculum to challenge them outside of their normal class time.

### **EXRM Math Plus**

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**

This course is designed for students that are not demonstrating mastery in their Math course and need additional curriculum to help them close the achievement gap between them and their peers.

### **ELE1002 Problem Solving and Programming in Virtual Reality**

**Grade Level: 10, 11, 12 Length/Credit:  
1 semester – ½ credit Grade: Pass/Fail**

After investigating problems that can be solved using virtual reality, students collaborate to create, design, write, debug, and test solutions through programming with virtual reality software. Concepts and programming techniques will be taught as tools to reach goals.

### **ELE1004 Advanced Problem Solving**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**

This course is designed for students that desire to enrich their problem-solving skills, especially in regards to mathematics and interdisciplinary problem-based projects.

This class will focus on using the engineering design process to approach advanced problems relating to mathematics using interdisciplinary problem-solving contest materials and pure mathematics contest materials. Skills will be demonstrated through participation in the COMAP high school contest and OCTM mathematics competition.

## Science

### SC203 WeatherSTEM

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



This course is designed for students to use a WeatherSTEM weather station to learn how to predict weather. This is a data driven course where students will have to utilize numbers produced by the weather station and interpret them into weather patterns.

Students will be responsible for running a website that will give current and future forecasts to the community. Students will also learn how weather impacts ecosystems and travel around the world.

### SC302 Advanced Career Clean Energy Systems

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This course exposes students to three sources of renewable energy: wind, solar and biofuels. Working with solar, thermal, chemical and mechanical sources of clean energy teaches students how to apply physics, geography, chemistry, biology, geometry, algebra and engineering fundamentals. Students learn the most efficient and appropriate use of energy production as they explore the relevant relationships among work, power and energy. Students engage in a wide variety of hands-on projects and lab activities that illustrate the interrelationships between the various forms of clean energy.

### SC611 Physical Science

**SC611EN Physical Science Enriched**

**Grade: 9, 10**

**Length/Credit: 1 year – 1.0 credit**



Physical science is the systematic study of the physical world as it relates to matter,

energy, and motion. This course will give students a unified understanding of our physical world through inquiry-based laboratory experiences, historical perspectives, and mathematical reasoning. Students then explore all possible outcomes, benefits and drawbacks to technology and other scientific advances and make decisions as to the ethics of the issues considering all sides and available research.

### SC621 Biology

**SC621E Biology Enriched**

**Grade: 10**

**Length/Credit: 1 year – 1.0 credit**



This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of cell biology, heredity and evolution provide a framework through inquiry-based instruction to explore the living world. Students will engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning and real-world application.

### SC631 Chemistry

**SC631E Chemistry (Enriched)**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Concurrent enrollment or completion of Algebra II**



This course explores the principles of chemistry with emphasis on matter and measurement, states of matter, atomic structure, chemical periodicity, chemical bonding, chemical reactions, stoichiometry, energy of reactions, aqueous solutions, and properties of gases. Student laboratory investigations are used to understand and

explain the behavior of matter in a variety of inquiry and design scenarios.

### **SC202 Chemistry II**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This course will focus on applications of chemistry in foods, drugs, and cosmetics.

Topics to be

covered: Acids/Bases, Equilibrium, Kinetics, Organic Chemistry and Biochemistry. The course will incorporate topics from chemistry and concentrate on the laboratory/investigative aspects of chemistry. Students will apply authentic research skills, and develop presentation and communication skills.

### **SC635 Anatomy and Physiology**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Biology**



Anatomy and Physiology is a laboratory-based study of the human body. This study includes molecules, cells, body systems, and processes.

Students also explore the delicate web of interaction among body systems, the importance of maintaining homeostatic balance within this web, and the medical implications of disturbing this balance.

### **SC636 Forensic Science**

**Grade: 11, 12**

**Length/Credit: 1 semester – ½ credit**

**Prerequisite: Biology**



This course explores the areas of science that are relevant to the law. It involves gathering scientific evidence proving that a crime has occurred and by whom.

Students gather this evidence by performing laboratory activities and learning about various forensic examinations like pathology, entomology and anthropology.



### **SC637 Zoology**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



This course takes an in-depth look at most of the phyla of the animal kingdom. Dissections and animal observations (both living and preserved) will take students through a lab-based approach in learning about how each organism lives. Some examples would be squid, fish, mussel, crayfish, and frog dissections, as well as chicken, owl pellet, butterfly, worm, and planaria observations.

### **SC643 Environmental Science**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of cell biology, heredity and evolution provide a framework through inquiry-based instruction to explore

the living world. Students will engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning and real-world application.

### **SC638 Nutrition and Wellness**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



Nutrition and Wellness is a course designed to help students develop eating behaviors that will have a positive effect on their current and future lifestyles. Through health promotion teens are able to learn and understand the steps that need to be taken in order to live a healthy life. In the busy lives that today's teens live food choices and exercise are critical components to their healthcare. By providing educational classes in these areas, students are able to receive the proper knowledge and information in order to live healthy.

### **SC644 Physics**

#### **SC648 Physics Enriched**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Concurrent enrollment or completion of Pre-Calculus**



This course is geared toward the more technical and mathematical aspects of physics and is intended for college-bound students planning on a major in any medical, engineering, computer, or math related career. This laboratory course focuses on concepts and principles of motion, forces and energy as they relate to increasingly complex systems of technology. Students engage in investigations to understand and explain motion, forces and energy in a variety of inquiry and design scenarios that incorporate real-world application.

## **Advanced Placement Courses**

### **SC625 AP Biology**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Biology, Chemistry**



Advanced Placement Biology is a first-year college-level course in biology with topics such as biochemistry, classical and molecular genetics, plant/animal anatomy and physiology, behavior, bioenergetics, cellular structure and function, and completion of all twelve required AP Lab Studies.

### **SC639 AP Chemistry**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Algebra II or Integrated Math II**



Advanced Placement Chemistry is a first-year college-level course in chemistry covering topics such as molecular chemistry, thermodynamics, kinetics, equilibrium, electrochemistry and descriptive chemistry. There is an emphasis on chemical calculations and the mathematical formulation of principles.

### **SC645 AP Physics**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Algebra II or Integrated Math II and Chemistry**



AP Physics is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics; dynamics; circular motion and gravitation; energy; momentum; simple harmonic motion; torque and rotational motion; electric charge and electric force; DC circuits; and mechanical waves and sound.



### SC649 AP Environmental Science

Grade: 10, 11, 12

Length/Credit: 1 year – 1.0 credit

Prerequisite: Biology



This course teaches students the theory and application of environmental sampling and analysis techniques. The course introduces the instrumentation and techniques used to assess air, water, and soil quality. Lecture focuses on sampling, statistics, the operational theory of different measurement techniques, and the relevant chemical reactions.



#### Extension Courses

### SC621SI Science Intervention

Grade: 10, 11, 12

Length/Credit: 1 year – 1.0 credit

This intervention course will provide a concise review of high school level science to help prepare students for state-mandated testing. The course begins with a diagnostic test, followed by study skills. Students will then focus on major concepts, understandings, and skills in the areas of physical science, earth and space science, genetics and heredity, and life science that

are included in Ohio's science curriculum. The course will end with two practice tests.

### SC654 Earth's Greatest Disasters

Length/Credit: 1 semester – ½ credit

Grade: Pass/Fail

This course will explore the causes and impacts of some of the greatest natural and man-made disasters in history, the impact on the environment, and the ways we are trying to prevent, detect or build infrastructures to withstand such instances with modern technology. Major earthquakes, tsunamis, nuclear accidents and oil spills are just a few examples of disasters that have had extensive impacts on our world and will be explored.

### SC681 Bioethics

Length/Credit: 1 semester – ½ credit

Grade: Pass/Fail

This course explores ethical questions related to the life sciences. Students will examine various case studies and conduct research to support all aspects of the ethical dilemma



**Biomedical Science Program  
Project Lead the Way Bodies**

**SC632 Biomedical Science Bodies  
Program**

**Grade: 11, 12**

**Length/Credit: 2 years – 3.0 credits**

**Prerequisite: Completion of Biology and  
Chemistry high school courses;**

**recommended 3.0 GPA; application and  
acceptance into dual enrollment courses**



Any student interested will be asked to attend a focused informational meeting. STEM Bodies is a full-year, early college program in which grades 11-12 students are engaged as emerging professionals in the

biomedical field. This program is a rigorous option for students willing to meet academic challenges. This program meets for three hours (four periods).

During each semester, students complete an activity-based biomedical sciences classes in addition to two college biology courses (Biology 1111 and Biology 1112). In the spring each student will engage in rotations with professionals in the biomedical field. During the year-long program, students learn biological sciences content, practice personal professionalism, apply authentic research skills, and develop presentation and communication skills. High work standards and professionalism are expected as students explore and immerse themselves in biomedical fields.







**SC633 Human Body Systems**  
**Grade: 11, 12**  
**Length/Credit: 1 year – 1.0 credit**

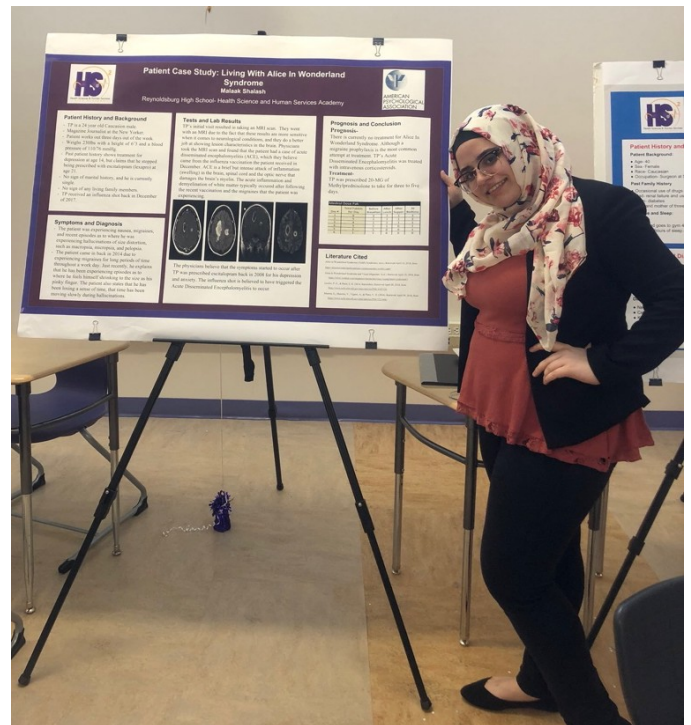


Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professional to solve real-world medical cases.

**SC742 Principles of Biomedical Science**  
**Grade: 11, 12**  
**Length/Credit: 1 year – 1.0 credit**



In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.



## Agriculture and Food Science Pathway Courses

### **SC620 Intro to Agriculture and Food Science**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

### **SC622 Science and Technology of Food**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Students will examine the research, marketing, processing and packaging techniques applied to the development of food products. Learners will examine nutrient content and their chemical makeup, while applying principles of chemistry to the development of food products. They will examine and implement food safety, sanitation, and quality assurance protocols. Government regulations and food legislation will be examined and the implications to food science and technology will be identified.

### **SC623 Food Marketing and Research**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



Learners will focus on the stages of the research process from research planning to gathering, analysis, and interpretation of

data as it relates to food marketing management. Learners will apply knowledge of food additives, nutrition, mixes and solutions to enhance existing food products and to create new processed foods. Learners will identify and describe the impact that technological advances have on food production and availability. Cultural trends and preferences affecting product development will be examined.

### **SC624 Applications of Food Science and Safety**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



Learners demonstrate principles and practices of food safety, processing and packaging to develop solutions for problems in food production, handling and storage. Learners will examine a full range of food processing techniques. Learners will examine the process of food product development and techniques used to measure food sensory aspects, shelf life and food stability. Learners will examine government regulation impact on labeling, new packaging technologies, harvesting, transportation, and the environment. Food laws, regulations and regulatory and commercial grading standards will be examined.

### **SC662 Introduction to Horticulture and Plant Bioscience**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



This first course in the pathway focuses on the knowledge and skills required to research, develop, produce and market agricultural, horticultural, and native plants and plant products. Students will apply principles of plant physiology and anatomy, plant protection and health, reproductive



biology in plants, plant nutrition and disorders to the management of soils and plants. Throughout the course, students will learn communication, leadership, and business management skills reflective of the industry.

### **SC663 Greenhouse and Nursery Management**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio- security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.

### **SC664 Urban Forestry**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



Students will apply techniques and practices promoting the care and management of trees for residential and commercial purposes. Topics include principles of soil management, dendrology and pest management. Students will analyze budgets; and develop short and long-range management plans that balance environmental and economic goals supporting sustainable land use patterns.

### **SC665 Turf Science and Management**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



Students will apply principles of science, engineering, and business to support the establishment and maintenance of residential, athletic and recreational turf. Students will learn techniques for the establishment, care, production, and marketing of turf grass along with safe operation and maintenance of specialized equipment.



## Computer Science

### SC602 Exploring Computer Science

**Grade: 9, 10, 11, 12**

**Length/Credit: 1 year -- 1.0 credit**

**Prerequisite: Algebra I**



Exploring Computer Science focuses on foundational computer science concepts and computational practices. The course focuses on the conceptual ideas of computing and helps students understand why certain tools or languages might be utilized to solve particular problems.

Students are introduced to topics such as interface design, limits of computers, and societal and ethical issues, web design, programming, computing and robotics.

#### Advanced Placement Courses

### SC630 AP Computer Science Principles

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**



**Prerequisite: Algebra I**

AP Computer Science Principles introduces students to foundational concepts of computer science and challenges them to explore how computing and technology can

impact the world. With a unique focus on creative problem solving and real-world applications, it is designed to appeal to diverse student populations. Topics include the internet, digital information, big data and privacy, introduction to programming, building applications with event-driven programming, and data tools. Students will develop computational thinking skills through problem-solving, collaboration, and writing, as well as through programming.

### SC634 AP Computer Science A

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Integrated Math II**



AP Computer Science A is comparable to college-level introductory course. Students learn the central ideas of computer science to understand how computing changes the world. The course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. Topics include object-oriented program design, program implementation, program analysis, standard data structures, standard operation and algorithms, and computing in context.





### **SC610 Intro to Engineering Design**

**Grade Level: 9**

**Length/Credit: 1 year – 1.0 credit**



Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community.

### **SC612 Biomedical Engineering**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1 credit**



Students learn the use of cell culture techniques for bioscience research and commercial applications. Topics include cultivation of cell lines, bench-top fermenter management, detection of contamination, and an introduction to bioassays. Students will use microbiological techniques to manipulate, evaluate, and study cell growth. Focus will be on media formulation, preparation, autoclaving, and clean up procedures for the vessel and accessories.

### **SC613 Energy Systems Management**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1 credit**



Students will apply basic principles of energy accounting, thermodynamics and heat transfer, energy conversion and efficiency to heating, power generation and transportation. Students will apply the principles and practices needed for managing renewable and non-renewable energy resources. Throughout this course, future energy systems and energy use

scenarios are investigated, with a focus on promoting the use of renewable energy resources and technologies.

### **FA050 Design Appreciation**

**Length/Credit: 1 semester – 1.0 credit**

**Grade Level: 10, 11, 12**

This course will explore the various contemporary designers in industry and engineering. Students will learn the processes of evaluating designs as well as explore historical connections and trends in design. The class will be entirely driven by online content and students should have a good understanding of email, uploading files, and navigation within chat and online posting.

### **FA051 Engineering Design**

**Length/Credit: 1 semester – 1.0 credit**

**Grade Level: 11, 12**



Design and Development utilizes the constructs and information garnered through the MIT Center for Bits and Atoms. Students will have experience and exposure to multinational implementation strategies to fabrication. By using an advance understanding and processes of technology and engineering, students will create workable aesthetically designed models that have direct impact on environment with global thinking and local action.

### **FA059 Computer Assisted Design I**

**Grade Level: 10, 11, 12 Length/Credit:**

**1 semester – ½ credit Prerequisite:**

**Integrated Math II**



Intro to CAD focuses on exposing students to the world of architecture and architecture design through the use of DATACAD. This course gives students the opportunity to develop skills in CAD development and



design, analyzing engineering diagrams and blueprints, and problem solving through activity, project, and problem-based learning. This class has a particular emphasis on the use of CAD in the medical field.

**FA060 Computer Integrated Manufacturing (CADII) Length/Credit:**  
**1 year – 1.0 credit**  
**Grade Level: 10, 11, 12 Prerequisite:**  
**Basic Architecture**



This course is intended to be a year-long course designed for those students interested in pursuing a career in architecture/drafting design. This course will focus heavily on the 3D modeling used in the CAD career field. Students will be tasked with designing and creating their own houses and then constructing scale 3D models using tools from our schools FAB Lab.

### **ELE1010 Myth-Busting Movie Science**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**

This course is designed for students demonstrating mastery in their science course and need additional curriculum to challenge them outside of their normal class time. This class will focus on analyzing the accuracy of science concepts depicted in the set design, art, props, and dialogue of films.

### **FAR1003 Digital Literacy**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**

This course is designed for students who are interested in increasing their digital literacy through project-based, online training. This class will focus on learning the ins and outs of computer applications used daily by adults in today's business world.



## Humanities

### SS711 World History

#### SS711E World History Enriched

Grade: 9

Length/Credit: 1 year – 1.0 credit



This course examines world events from 1600 to 1919, incorporating US politics, economics, and culture in world and domestic affairs from 1877. Students study economic and political theory, world geography, and social history as well as examining how world and local communities impact the emergence of leaders in the United States and the effects of global interdependence through the end of World War I. 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.

### SS720 American History

#### SS720E American History Enriched

Grade: 10

Length/Credit: 1 year – 1.0 credit



Students will study significant events in the history of the world and United States from 1919 to the present day emphasizing changing political, economic, and cultural practices and beliefs of the 20th and 21st century, building on the foundation of US and Global History 9. Students will examine the role of individuals and communities in

US and worldwide affairs as well as demonstrate involvement in their own community. This emphasizes the relative nature of history through the study of point of view and perspective in US and world affairs.

### SS741 American Government

#### SS741E American Government Enriched

Grade: 11, 12

Length/Credit: 1 year – 1.0 credit



The third-year social studies curriculum will concentrate on the origin, growth, organization, and functional characteristics of our national, state, and local governments. The course will focus on the founding documents of this nation, the Constitution and the Bill of Rights, as well as the political party and election process. The formal institutions of American government are explored in-depth as well as economic policy, foreign policy and state and local government. Emphasis will be placed on education towards better citizenship.

### SS749 Microeconomics

Grade: 11, 12

Length/Credit: 1 year – 1.0 credit



Microeconomics provides a thorough understanding of the principles of economics that apply to the functions of





individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

### **SS753 Sociology**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Students study patterns of interaction that become embedded in the structure of society over time. Students investigate the structure of groups, organizations, and societies to learn how people interact within these contexts.

Topics range from the intimate family to the internet, organized crime to religious traditions, and from the divisions of race, gender and social class to the shared beliefs of a common culture. This course also introduces students to the use of scientific data to study the social world.

### **SS755 Psychology**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



This course presents basic concepts in the scientific study of human behavior through the approaches of the various and sometimes conflicting schools of psychological thought. The course focuses on discovering, understanding, and explaining human nature, and the behavior and mental processes that make us who we are. Students examine the biological as well as the psychological processes of the human mind through topics such as sensation, perception, states of consciousness, memory, personality theory, learning, mental disorders, and social psychology.

### **SS757 Health and Human Advocacy**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

Students will begin this research-oriented course to explore topics relating to environmental concerns, human rights and/or health concerns, or issues concerning human development. The course challenges students to develop and hone research and presentation skills.

### **SS759 Ethics and Service Learning**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



This research-oriented course allows students to explore topics of choice relating to ethical decisions relating to contemporary political and societal issues. The course challenges students to investigate the potential of volunteerism and the role of volunteers and community service within our society.

### **SS782 Financial Literacy**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



Financial Literacy is designed to develop a basic understanding of the importance of personal financial matters and how to make sound financial decisions. Students will be introduced to topics that will improve their economic citizenship. Topics include financial responsibility, planning/budgeting and money management, consumer choices and purchasing decisions, investing, credit, and insurance (i.e., life, vehicle, health). Students will be equipped to manage their personal business and financial affairs more efficiently.

### **SS202 History of American Sports**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

This course presents an overview of the development of amateur and professional athletics over the course of history in the United States. Using the development of sport and games as a lens, the social, cultural, and business history of the United States will be considered with a focus on the racial, ethical, legal, and monetary components of sports. Students need not be athletes to appreciate this elective course.

### **SS784 Globalization**

**Grade: 11, 12**

**Length/Credit: 1 semester – ½ credit**



This course examines contemporary social, political, economic, and environmental issues in the 21st century world, with particular emphasis on the impact of globalization. Specific issues to be covered include: collective security, terrorism, human rights, immigration, international trade, health crises and sustainability. Students will examine problems and solutions from multiple perspectives, and learn how individuals and groups have the capacity to impact global issues. This course includes opportunities for students to participate in service learning and prepare research for senior capstone.

### **SS800 Revolutions**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This interdisciplinary course examines historical and cultural revolutions through a humanities lens, and asks students to explore complex questions without clear answers. Students will analyze historical text, philosophical documents, literature, music and TV/film to evaluate revolutions and social movements from a variety of times and places. Main units will include

the American Cultural Revolution of the 1960's, the Chinese Cultural Revolution, the Cuban Revolution, and the Iranian Revolution.

### **SS735 Law and Public Policy**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



The course strives to empower young people to be active, engaged citizens by equipping them with the knowledge and skills they need to successfully participate and create change in their communities. The structure will be to create a base knowledge of law principles and cases, learn through real world experiences, understand different legal careers, and participate in real world applications of legal principles.

### **SS785 World Issues and Solutions**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Students will engage in actively partnering with and running the non-profit lift4life which specializes in growing the sport of powerlifting in low income and at-risk communities around the world. Students will learn social media/marketing skills, how to set up a non-profit/file for a 501c3, controlling finances of an active business, creating media campaigns, fundraising, and growing an actual non-profit.

### **SS102 Leadership Theory**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Is leadership something that can be developed or is it born into certain people? This interdisciplinary course provides an overview of the theory related to, and skills necessary for the practice of effective leadership in team and organizational settings. Through a variety of leadership assessments, students learn about their

leadership styles and preferences. Students enhance their skills through reading, discussions, case analysis, in-class exercises, and discourse with experienced leaders.

### **PC100 Peer Collaboration**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This course is for persons interested in the education profession. Students have the opportunity to observe and/or enhance skills while working with a mentor teacher. Students receive practice in communication skills, planning and working with peers. Work will be conducted in the classroom assisting the teacher and assisting students in their daily work.

### **SS1050 Human Interactions in Society**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**



This course is for students who are looking to become immersed in the social behaviors and understandings of society as a way of understanding the world. Sociology is a field of study that explains social, political, and economic phenomena in terms of social structures, social forces, and group relations. During this course we will focus on several major sociological topics and themes, including socialization, culture, the social construction of knowledge, deviance and self-control, social movements, collective behavior, inequality, race and ethnic relations, poverty, and political sociology.

### **CCR02 College and Career Readiness 2**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1 credit**

Students will explore educational and career information to learn more about themselves and their interests and abilities. Students

integrate skills from academic subjects, information technology, and interpersonal communication to make informed decisions. This course is designed to guide students through the process of investigation and in the development of a college and career readiness achievement plan.

### **CCR03 College and Career Readiness 3**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 year – 1 credit**

This class is a continuation of College and Career Readiness 2. Students will focus on skills including college essays, resumes and job applications, and planning for post-secondary success.

### **ELE1003 Public Policy and eSTEM**

**Grade Level: 10, 11, 12 Length/Credit:**

**1 semester – ½ credit Grade: Pass/Fail**

This course is designed for students demonstrating mastery in their English Language Arts, Social Studies/Government, Environmental Sciences, and/or World Languages curriculum to challenge them outside of their normal class time. This class will focus on developing students' understanding of public policy, the policy-making process in the United States, and frameworks applicable to policy analysis.

Students will examine, analyze, critique, and propose improvements for current policies pertinent to the environment, scientific advancements, and/or technology.

### **ELE1001 Hope Squad**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

**Grade: Pass/Fail**

This course is designed for students that are demonstrating mastery in their core academic courses and need additional curriculum to challenge them outside of their



normal class time. This class will focus on training student leaders, learning social and emotional awareness, and learning advocacy techniques. These skills will actively be used to build positive school culture.

### Advanced Placement Courses

#### **SS743 AP US Government and Politics**

**Grade: 11, 12 in lieu of American Government**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: American History, AP US History**



Advanced Placement U.S. Government gives students an analytical perspective on government and politics in the United States. Students analyze how US public policy affects the society as a whole and become active participants at all levels of the US political system. 30 hours of community service is required. 15 hours per each semester.

#### **SS737 AP US History**

**Grade: 11, 12 in lieu of American History**

**Length/Credit: 1 year – 1.0 credit**



The AP U.S. History course provides students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in Unsisterly. Students learn to assess historical materials—their relevance to a given interpretive problem, reliability, and importance—and to weigh the evidence and interpretations presented in historical scholarship. Students develop the skills necessary to arrive at conclusions on the basis of an informed judgment and to present reasons and evidence clearly and persuasively in essay format.

#### **SS754 AP Microeconomics**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Microeconomics provides a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the larger economic system. It places primary emphasis on the nature and functions of product markets, and includes the study of factor markets and of the role of government in promoting greater efficiency and equity in the economy.

#### **SS777 AP Human Geography**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**



The purpose of the AP course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface.

Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice.

#### **SS1001 AP Psychology**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**



The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. Students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences and treatment of abnormal behavior ideas.

## COTC Law and Criminal Justice Pathway Courses



### **LET100 Intro to Criminal Justice Grade Level: 10, 11, 12 Length/Credit: 1 semester – ½ credit**



During this introductory course the student will examine the Criminal Justice System, including the role of the Police, the Courts, and the Correctional system. Students will study criminal behavior and apply constitutional and criminal law to crime and punishment. Students will learn law enforcement terminology, classifications and elements of crime, and how various court systems are used to judge and punish offenders.

### **LET105 Ethics in Criminal Justice Grade Level: 10, 11, 12 Length/Credit: 1 semester – 1.0 credit**



This course is designed to offer the student a thematic perspective for making ethical decisions in criminal justice. The student will be introduced to the fundamentals of ethical theory, doctrines, and controversies, and

the rules of moral judgment. The student will examine ethical principles common to all components of the discipline, such as wisdom, goodness, morality, and justice, as well as the common vices of deception, racial prejudice, and egotism.

### **LET110 Constitutional Law & Courts Grade Level: 11, 12 Length/Credit: 1 semester – 1.0 credit**



This course will focus on the study of the court systems in the United States and the study of the U.S. Constitution. Topics will include the Bill of Rights and court cases that are affected by the Bill of Rights. The student will study cases related to the First, Fourth, Fifth, Sixth, Eighth, and Fourteenth Amendments.

### **LET120 Criminal Law and Procedure Grade Level: 11, 12 Length/Credit: 1 semester – 1.0 credit**



The student will study the criminal code, pre-trial, trial, and post-trial procedures used in the law. The student will be able to recognize violations of the law, the appropriate statutes pertaining to these violations, and apply the procedures in scenarios and written work.

### **LET126 Basic Investigations Grade Level: 11, 12 Length/Credit: 1 semester – 1.0 credit**



The emphasis of this course will deal with basic investigative techniques and procedures. The student will learn the fundamentals of obtaining evidence from witnesses and crime scene searches. The student will establish *corpus delicti* and how to prepare the necessary reports associated with the crime scene.

## COTC Education and Training Pathway Courses

### EDU101 Introduction to Education

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



In this first course in the pathway, students will examine the history and philosophy of early childhood education, types of early childhood programs, and the roles, rights and responsibilities of learners and stakeholders in early childhood education. The student will engage in a variety of experiences that will explore the purposes of schools in society and the knowledge, dispositions and skills required to be an effective teacher. Observation sessions will be required in various grade levels.

Prerequisite: BCI & I State and Federal with no convictions that would prevent participation with children in a school or center-based setting.



### ECE130 Health & Safety in Education

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



Students will establish and maintain a physically and emotionally safe and healthful environment for young children. They will learn skills in first aid and CPR, identify signs and symptoms of common health issues and diseases, and develop meal and snack menus appropriate for young children of different ages and stages of development. The effects of nutrients on children's growth and development will also be emphasized.

### ECE141 Child Development

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



This course will include student understanding of young children's characteristics, needs, multiple influences on development and learning. The student will utilize knowledge of development to create healthy, respectful, supportive and challenging learning environments based on children's learning styles; stages of social, emotional, cognitive and physical development. Birth through adolescent development will be examined. Ten hours of observation and contact with a family and an early childhood program is required to complete a comprehensive Family and Child Study.



## ECE160 Integrated Curriculum

Grade Level: 10, 11, 12

Length/Credit: 1 semester – 1.0 credit



The student will explore the theories, techniques and approaches to planning and implementing learning experiences for young children. Concepts of play, appropriate practices, documentation, assessment and inquiry-based learning experiences will be addressed and practiced. They will determine curricular goals, create lesson plans, and employ observation and assessment strategies to evaluate children's growth and development. Application of foundational principles of reading, writing, speaking, and listening skills to enhance the learner's application of literacy will be emphasized. The student will be required to work collaboratively with peers and children in a child care setting.



## Business and Marketing

### BU111 Business Foundations

**Grade: 10**

**Length/Credit: 1 year – 1.0 credit**



Introduction to business course. Topics covered include: Basic Marketing and Business concepts, Employability skills, Leadership, Communications, and Technology Skills.

### BU147 Digital Marketing and Management

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Business Foundations**



The focus of this class is to integrate business skills to apply tools, strategies and processes to communicate digitally. Students will create, implement, and critique online advertising, email marketing, websites, social media, video or images and podcasts/webcasts. Students will apply project management techniques to guide and control digital communications efforts. Roles and responsibilities could include assisting with the shirt press, operating a successful morning show, and development of a school/class website.



### BU148 R-Design Operations Management

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Business Foundations**



Students will learn to plan, organize, and monitor day-to-day business activities. They will use technology to plan production activities. Roles and responsibilities could include running and operating the school store. The Co-Op option would provide an additional credit for students who either have a job and can receive credit for working, want a job and need help finding one, or can even receive credit for working in the school store. Teacher will assist with job placement as well as monitoring student work ethic at employment.

### BU112 Entrepreneurship

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



Students will answer essential questions about how to be an entrepreneur in a business they can start or own and as an associate for a company or organization. The qualities and characteristics that make one successful will be examined. Students will complete projects, which include interviews and presentations as well as a small business plan. DECA membership (student organization) is available but not required.

### BU117 Marketing, Management & Research

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



This is an introductory-level survey of a marketing and business course that will include project- and inquiry-based learning



of marketing and business as well as economics and its many interdependent functions. A heavy emphasis is placed on public speaking, human relations, team building and professionalism as well as research and design. Students will learn how business is a part of a community. Students will operate and manage a school store. DECA membership (student organization) is available but not required.

### **BU145 Retail and Consumer Services**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



Active learning of retail business and management. Concepts and practice in Promotion, Customer Service Relationships, Selling, and Merchandising are introduced. Students will have the opportunity to enrich their experience through the creation of a small business plan. The school store laboratory is used as the classroom. This course can be taken up to a maximum of six semesters with instructor approval. DECA membership (student organization) is available but not required.

### **BU149 R-Design: Art**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



Interested in learning how to design logos using Adobe Photoshop & Illustrator, screen print, use QuickBooks or run a school business? Students will design and create sportswear for a variety of people and purposes.



## World Languages



### **FL33 American Sign Language I**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



The purpose of this course is to enable students to begin to acquire proficiency in American Sign Language through a linguistic, communicative, and cultural approach. Emphasis is placed on the development of receptive and expressive signing skills and on the acquisition of the fundamentals of applied grammar. An exposure to the deaf and hard of hearing culture will be presented and students are expected to participate in the community. ASL is a visual language and therefore regular attendance and participation are mandatory!

### **FL34 American Sign Language II**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



In American Sign Language II, students will expand on their receptive and expressive

signing skills and continue acquisition of the fundamentals of applied grammar. ASL is a visual language and therefore regular attendance and participation are mandatory!

### **FL321 French I**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



The first year of a World Language such as French focuses on establishing novice level speaking, reading, writing, and listening skills based on state content standards. Students will understand main points of basic written and aural texts, engage in simple, everyday verbal exchanges, and compose basic texts about their lives, using high-frequency vocabulary and structures. Activities and assessment supporting the academy theme of Nature help students understand the target cultures' geographical space in the world, as well as their environmental challenges.

### **FL323 French II**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: French I**



The second year of French continues skill development as students begin to recombine vocabulary and structures to provide information and influence others. In reading, students glean more information from a wider variety of texts, and listen to native speakers of the target language for a general understanding of the intent of the message. Thematically, language courses expose students to the human practices, perspectives and products of French culture through technology, film, television and print media.

### **FL333 French III**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: French II**



In the third-year French curriculum, students apply information to personal experience and accomplish related tasks through comprehension of increasingly complex language. Students begin to seek out materials of interest to them, analyze the content, and compare it to information available in their own language. They begin to write and speak more freely and coherently, and linguistic input is less controlled by the teacher and/or textbook. Authentic reading materials and listening selections, as well as contacts made with members of target cultures through technology, encourage students to think and speak critically about conflicts facing the world today. Students are assessed in listening, reading, writing and speaking.

### **FL343 French IV**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: French III**



In the fourth-year French curriculum, students move from a focus on analysis of authentic materials to synthesis of those materials to support personal conclusions and viewpoints. Students move outside themselves in order to initiate discussions and compositions that substantiate their positions, and they engage in more sustained discourse. Advanced courses at the high school level and opportunities for post-secondary work prepare students for future language study. In keeping with the academy theme of Art and Beauty, students explore aesthetics of target language cultures, compare them to artistic expressions of their own culture, and reflect upon others' worldviews as expressed through art.

### **FL301 Spanish I**

**Grade: 9, 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



The first year of a World Language such as Spanish focuses on establishing novice level speaking, reading, writing, and listening skills based on state content standards. Students will understand main points of basic written and aural texts, engage in simple, everyday verbal exchanges, and compose basic texts about their lives, using high-frequency vocabulary and structures. Activities and assessment supporting the academy theme of Nature help students understand the target cultures' geographical space in the world, as well as their environmental challenges.

### **FL303 Spanish II**

**Grade: 9, 10, 11,**

**12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Spanish I**



The second year of Spanish continues skill development as students begin to recombine vocabulary and structures to provide information and influence others. In reading, students glean more information from a wider variety of texts, and listen to native speakers of the target language for a general understanding of the intent of the message. Thematically, language course expose students to the human practices, perspectives and products of Spanish culture through technology, film television and print media.



### **FL305 Spanish III**

**Grade: 9, 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Spanish II**



In the third-year Spanish curriculum, students apply information to personal experience and accomplish related tasks through comprehension of increasingly complex language. Students begin to seek out materials of interest to them, analyze the content, and compare it to information available in their own language. They begin to write and speak more freely and coherently, and linguistic input is less controlled by the teacher and/or textbook. Authentic reading materials and listening selections, as well as contacts made with members of target cultures through technology, encourage students to think and speak critically about conflicts facing the world today. Students are assessed in listening, reading, writing and speaking.

**FL3110 Spanish IV Length/Credit:  
1 year – 1.0 credit Prerequisite:**

**Spanish III**



In the fourth-year Spanish curriculum, students move from a focus on analysis of authentic materials to synthesis of those materials to support personal conclusions and viewpoints. Students move outside themselves in order to initiate discussions and compositions that substantiate their positions, and they engage in more sustained discourse. In keeping with the academy theme of Art and Beauty, students explore aesthetics of target language cultures, compare them to artistic expressions of their own culture, and reflect upon others' worldviews as expressed through art.

### **FL315 Mandarin Chinese I**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**



In Chinese I students are introduced to tones, pronunciation and Romanization, vocabulary and basic dialogues, while gradually building a foundation speaking Chinese and appropriate behavior in Chinese culture. Students engage in communicative skills such as, meeting and appropriately greeting and identifying people. Conversational language skills are developed through authentic dialogue settings. Speaking and listening skills are the main focus in Chinese I class.

Traditional Chinese character writing is also introduced and practiced in this course.

### **FL310 Mandarin Chinese II**

**Grade: 10, 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Mandarin Chinese I**



In Chinese II vocabulary and dialogues about people and daily activities are introduced in context through authentic dialogue settings and speaking scenarios. Speaking and listening skills continue to improve through daily use. Students are expected to create meaningful conversations, improve their cultural awareness, discuss social and cultural implications of Chinese language and other cultural issues that arise. Writing practice and the reading of written Chinese will be incorporated in Chinese II, which includes stroke, radicals and phonetic components as well as basic sentence structure.

### **FL314 Mandarin Chinese III**

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Mandarin Chinese II**



In Chinese III students increase their Chinese language and cultural understanding skills based on the



foundation acquired in Chinese I and Chinese II. Students continue to increase vocabulary and grammar structures.

Instruction and interaction are primarily in Chinese with a focus on listening, speaking, reading, writing, cultural awareness and appreciation. Vocabulary and dialogues about events, schedules and consequences are introduced in context through authentic materials and speaking scenarios. Reading and writing are focused on communicating effectively in the target language.

### FL316 Mandarin Chinese IV

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Mandarin Chinese III**



In Chinese IV, students deepen and expand their listening skills by immersing themselves in the target language. Students focus on reading the linguistic and cultural meaning of the text with fluency and comprehension. Students are able to summarize orally or in writing what they have read. In terms of listening and speaking, students develop skills in Chinese to communicate across ethnic, cultural, ideological and national boundaries and develop an understanding of Chinese interpersonal behavioral culture and related thought patterns.

## Advanced Placement Courses

### FL311 AP Spanish

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Spanish III**



The AP Spanish Language and Culture course is designed to be comparable to fourth semester (or the equivalent) college/university courses in Spanish. Students to demonstrate their level of Spanish proficiency across the three communicative modes (Interpersonal, Interpretive and Presentational) and the five

goal areas (Communication, Cultures, Connections, Comparisons and Communities).

### FL317 AP Chinese

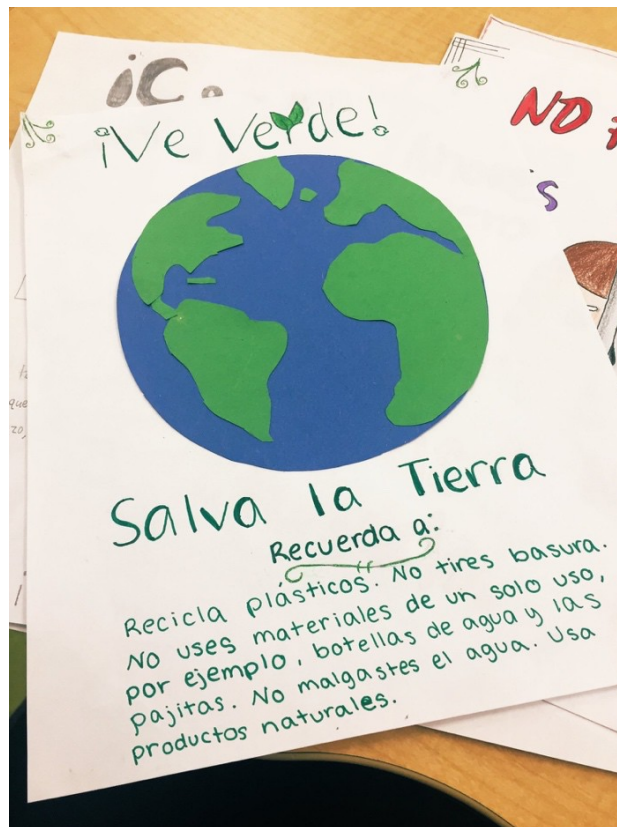
**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

**Prerequisite: Mandarin Chinese III**



The AP Chinese Language and Culture course is designed to be comparable to fourth semester (or the equivalent) college/university courses in Mandarin Chinese. Students to demonstrate their level of Chinese proficiency across the three communicative modes (Interpersonal, Interpretive and Presentational) and the five goal areas (Communication, Cultures, Connections, Comparisons and Communities).





## Health and Physical Education

### **PE401 Physical Education I**

**Grade: 9, 10, 11, 12**

**Length/Credit: 1 semester – ¼ credit**

Students will develop a plan/participate in a variety of individual, dual, and team sports and activities that expand on and reinforce concepts and skills. Students work towards mastering course standards, both academic and physical, through a plan developed with their counselor and implemented outside of the school day.

Activity logs are required.

### **PE402 Physical Education II**

**Grade: 9, 10, 11, 12**

**Length/Credit: 1 semester – ¼ credit**

**Prerequisite: Physical Education I**

Students will develop a plan/participate in a variety of individual, dual, and team sports and activities that expand on and reinforce concepts and skills. Students work towards mastering course standards, both academic and physical, through a plan developed with their College & Career Readiness Counselor and implemented outside of the school day.

Activity logs are required.

### **PE005 Personal Conditioning I**

**Grade: 9, 10, 11, 12**

**Length/Credit: 1 semester – ¼ credit**

This elective course is designed for the students who would like to extend their personal fitness level by building an extensive personal training program. Personal Conditioning will address the topics of exercise, physiology, injury prevention, speed training, agility training, flexibility training, along with a complete weight lifting and cardiovascular conditioning program.

Aerobic, anaerobic, and circuit training will be explored through multiple strength and interval training exercises. This class will also expose students to the fitness profession by exploring the fitness field through in-class speakers, hands-on experience and field trips when possible.

### **PE006 Personal Conditioning II**

**Grade: 9, 10, 11, 12**

**Length/Credit: 1 semester – ¼ credit**

This elective course is designed for students who would like extend their personal fitness level by building an extensive personal training program. Advanced Personal Conditioning will build on the student's individual workout program designed in Personal Conditioning class.

These will include topics of exercise, physiology, injury prevention, speed training, agility training, and flexibility training, along with a complete weight lifting and cardiovascular conditioning program.

### **PE222 Coaching and Officiating**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ¼ credit**



This course introduces students to the world of coaching and officiating. Students will learn basic aspects of officiating different sports, from rules, hand signals, techniques, and game management. The class will cover aspects to officiating the following sports: soccer, flag football, basketball, baseball, and softball. Students will also be introduced to skills needed to become an effective youth coach and be certified as a NYSCA coach. The training will cover topics coaches of all sports need to know, such as working with parents; motivating kids; building confidence; instilling good sportsmanship; safety; and nutrition and hydration; among many other areas. This

course will also certify students in CPR/AED and First Aid through the American Heart Association.

### **PE411 Health I**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**

Students develop knowledge, attitudes, and practices necessary for the development of optimal personal fitness for full, fruitful, creative living. The major objective of the program is to enable the student to think critically about life and health problems, and to make reasonable judgments concerning individual, family and community health.

### **HTH201 Health: Emergency Care, CPR/AED and First Aid**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



This course will teach the student how to recognize an emergency and how to respond. The student will be prepared to make appropriate decisions regarding first aid care and how to provide care for injuries or sudden illness until professional medical help arrives. The course will be taught with online material, class discussions, guest speakers, and a lab setting practicing first aid techniques discussed and demonstrated in class. Students will be asked to respond and execute techniques in simulated scenarios throughout the semester. Upon completion of this course, students will earn a 2-year certification through American Heart Association in First Aid, CPR/AED (Adult, Child and Infant).

### **ELE01 Adulting 101**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



This course teaches practical, real-world skills that students will find useful as they become adults. Reading, writing, projects, and presentations will be required, along

with a heavy emphasis on Internet research skills. Topics covered will vary based on student needs, but may include the following areas: financial literacy (taxes, credit cards, budgeting); social situations (manners, weddings, dinners); professional skills (clothing, people skills, grooming); domestic skills (sewing, cooking, car care).

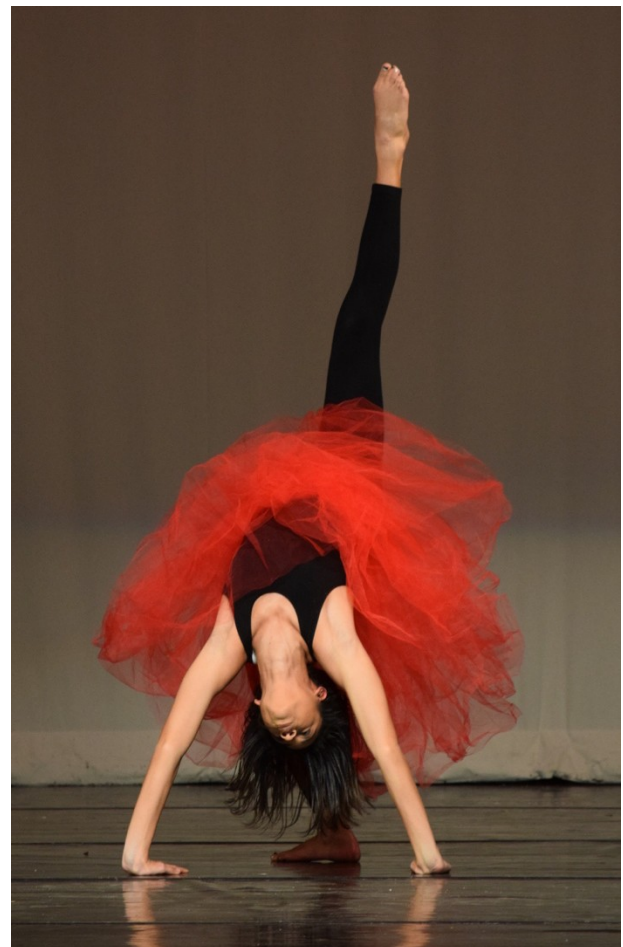
### **PE008 Wellness Through the Arts: Ballet**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



At the successful completion of this course the student will be able to demonstrate increased coordination and awareness of the body in motion, increased control and strength, specifically of the center of the body and increased flexibility. Students will learn basic ballet steps and terminology, specific ballet steps and their individual demands. Students will also understand the relationship of music and dance and come away with a general appreciation and an informed opinion of the art form.



**PE009 Wellness Through the Arts: Jazz**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



At the successful completion of this course the student will be able to demonstrate increased coordination and awareness of the body in motion, increased control and strength, specifically of the center of the body and increased flexibility. Students will learn basic jazz steps and terminology, specific jazz steps and their individual demands. Students will also understand the relationship of music and dance and come away with a general appreciation and an informed opinion of the art form.

**PE010 Wellness Through the Arts:**

**Contemporary**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



At the successful completion of this course the student will be able to demonstrate increased coordination and awareness of the body in motion, increased control and strength, specifically of the center of the body and increased flexibility. Students will learn basic contemporary dance steps and terminology, specific steps and their individual demands. Students will also understand the relationship of music and dance and come away with a general appreciation and informed opinion of the art form.

**PE003 Wellness Through the Arts:**

**Yoga/Pilates**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester – ½ credit**



This course is part of community partnership with Ballet Met and is instructed by Ballet Met personnel on the campus of Encore Academy, Summit Road campus of Reynoldsburg High School. The course is designed to introduce Yoga specific movement to students as a form of art and communication in a creative and open method. Students will be required to participate actively.

**PE012 Wellness Through the Arts:**

**African Dance**

**Grade: 10, 11, 12**

**Length/Credit: 1 semester -- ½ credit**



At the successful completion of this course the student will be able to demonstrate increased coordination and awareness of the body in motion, increased control and strength, specifically of the center of the body and increased flexibility. Students will learn basic African dance steps and terminology, specific steps and their individual demands. Students will also understand the relationship of music and dance and come away with a general appreciation and an informed opinion of the art form.





## Capstone and Internship

### SC652 Capstone

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**



The capstone course is designed to imitate real-world processes and to give students the opportunity to demonstrate the research, writing, and communication skills that they have honed during their high school years. Students must submit a formal proposal, a research paper, and a technology-based presentation to successfully complete the capstone project.

### SS715 Internship

**Grade: 11, 12**

**Length/Credit: 1 year – 1.0 credit**

Internship placements align to ODE requirements and may include a pre-apprenticeship experience. Students learn from their job site mentor about the rules and responsibilities of the occupation. Students may be required to complete internship hours outside of their normal school day hours, as transportation permits.

### LET300 Law and Public Safety Capstone or Internship

**Grade Level: 12**

**Length/Credit: 1 semester – 1.0 credit**



The course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Law and Public Safety in a more comprehensive and authentic way. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience.





**ECE300 Education and Training  
Capstone or Internship**

**Grade Level: 12**

**Length/Credit: 1 semester – 1.0 credit**



Students apply Education and Training program knowledge and skills in a more comprehensive and authentic way.

Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.



**SC654 Biomedical Engineering Capstone**

**Grade Level: 12**

**Length/Credit: 1 year – 1.0 credit**



The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Engineering program in a more comprehensive and authentic way. Capstones often include

project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

**BU121 Marketing Capstone**

**Grade Level: 10, 11, 12**

**Length/Credit: 1 semester – 1.0 credit**



Students will apply knowledge, attitudes and skills that were learned in a Marketing program in a more comprehensive and authentic way in this capstone course.

Capstones often include project-/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience.

This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

**SC709 Allied Health and Nursing  
Capstone**

**Grade Level: 12**

**Length/Credit: 1 semester – 1.0 credit**



The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Health Sciences program in a more comprehensive and authentic way. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience.

This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

### SC710 Horticulture and Plant Bioscience Capstone

**Grade Level: 12**

**Length/Credit: 1 semester – 1.0 credit**



Students apply Horticulture and Plant Bioscience knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.

### SC655 Food Science Capstone

**Grade Level: 12**

**Length/Credit: 1 year – 1.0 credit**



Students apply Food Science knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships.



### SC657 Biomedical Science Capstone

**Grade Level: 12**

**Length/Credit: 1 year – 1.0 credit**



The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in Health Sciences program in a more comprehensive and authentic way. Capstones often include project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience.

This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.



MANAGER'S