



Artwork by Kade Armstrong

2019-2020

# Celiña High School Course Selection Guide

# Celina High School

## Course Selection Guide 2019-2020

<b>Graduation and Registration Requirements</b>	<b><u>2</u></b>
<b>Educational Options</b>	<b><u>6</u></b>
<b>Art</b>	<b>9</b>
<b>Business and Computer Technology</b>	<b>11</b>
<b>English</b>	<b>13</b>
<b>Family and Consumer Science</b>	<b>17</b>
<b>Foreign Languages</b>	<b>19</b>
<b>Health and Physical Education</b>	<b>21</b>
<b>Educational Options</b>	<b>21</b>
<b>Industrial Technology</b>	<b>23</b>
<b>Mathematics</b>	<b>25</b>
<b>Music</b>	<b>28</b>
<b>Science</b>	<b>30</b>
<b>Social Studies</b>	<b>33</b>
<b>Career/Technical</b>	<b>35</b>

**For an electronic version of registration materials,  
Please go to:**

**<http://www.celinaschools.org/CHSGuidance>**

# I: Graduation Requirements and Honors Diploma

## A: MINIMUM GRADUATION REQUIREMENTS:

1. **Curriculum/Credits:** Students must earn a total of 21 ½ credits to receive a diploma from CHS. Detailed credit information is summarized in the table below:

Curriculum Requirements		Minimum Units for Graduation
Business/Technology	College and Career Readiness	½ unit
English Language Arts		4 units
Health	Credit is granted to those students who have successfully completed middle school Health	½ unit
Mathematics	Must include 1 unit of Algebra II or the equivalent	4 units
Physical Education	¼ credit will be granted to those students who have successfully completed middle school Physical Education requirements, the other ¼ credit should be taken during the 9 <sup>th</sup> or 10 <sup>th</sup> grade year	½ unit
Science	Must include 1 unit of physical sciences, 1 unit of life sciences, and 1 unit advanced study in one or more of the following: chemistry, physics, advanced biology, or other earth and space science	3 units
Social Studies	Must include 1 unit of American History, 1 unit of American Government, ½ unit of World Studies, and ½ unit of elective.	3 units
Electives	1 unit or 2 half units must include: Business, Technology, Fine Arts, or Foreign Language	6 units

## 2. State Mandated Testing Requirements:

**Class of 2018 and beyond:** *In addition to the credit and course requirements listed above, students must meet **one** of the following criteria to qualify for a high school diploma:*

- a. **Earn to cumulative total of 18 points on 7 end of course exams. Points must be earned accordingly:**
  - English=4 or more points
  - Math=4 or more points
  - Science/Social Studies=6 or more points
  - 4 additional points from any area
  - End of course exams include: English 9, English 10, Algebra 1, Geometry, Biology, American History, Government
- b. **Achieve a remediation free score on a national college admissions test: ACT or SAT**
- c. **Earn an industry-recognized credential and earn a workforce readiness score on a job skills assessment**

**B: MINIMUM COLLEGE PREPARATORY REQUIREMENTS**

Courses listed below are required for regular admission at most state post-secondary institutions. Students whose secondary school preparation does not meet these minimum standards may be admitted on a ‘conditional’ basis that will require completion of remedial work before beginning classes in a degree-granting program. Course requirements may vary from one institution to another.

- **4 credits** of English with emphasis on composition
- **4 credits** of Mathematics, at least one of which should be taken in the senior year (Algebra 1, Algebra 2 and Plane Geometry)
- **3 credits** of Social Studies
- **3 credits** of Laboratory Science
- **2 credits** of the same Foreign Language
- **1 credit** of the Fine Arts
- **A college entrance examination such as ACT or SAT, typically taken in the Spring of the junior year.**

**C: HONORS DIPLOMA:**

*High school students can gain state recognition for exceeding Ohio’s graduation requirements through an honors diploma. Students challenge themselves by taking and succeeding at high-level course work and in real world experiences. Below is a summary of the types of honors diploma offered and the criteria for obtaining the honors diploma:*

Criterion	Academic Honors	Career Tech Honors	STEM Honors	ARTS Honors	Social Science Honors
Math	4 units: Alg 1, Geom, Alg 2 and 1 higher level course	4 units: Alg 1, Geom, Alg 2 and 2 higher level course	5 units: Alg 1, Geom, Alg 2 and 2 higher level courses	4 units: Alg 1, Geom, Alg 2 and 1 higher level course	4 units: Alg 1, Geom, Alg 2 and 1 higher level course
Science	4 units: including 2 advanced level	4 units: including 2 advanced level	5 units: including 2 advanced level	4 units: including 2 advanced level	4 units: including 2 advanced level
Social Studies	4 units	4 units	3 units	4 units	4 units
World Language	3 units of the same language, or “2 & 2”	2 units of the same World Language	3 units of the same language, or “2 & 2”	3 units of the same language, or “2 & 2”	3 units of the same language, or “2 & 2”
Fine Art	1 unit	N/A	1 unit	1 unit	1 unit
GPA	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale	3.5 on a 4.0 scale
TESTING	27 ACT	27 ACT	27 ACT or WorkKeys score of 6 in Reading and Math	27 ACT	27 ACT
Field Experience & Portfolio	N/A	Extensive field experience in student’s chose area of focus and completion of portfolio	Extensive field experience in student’s chose area of focus and completion of portfolio	Extensive field experience in student’s chose area of focus and completion of portfolio	Extensive field experience in student’s chose area of focus and completion of portfolio
Additional	N/A	Complete 4 credits of a career technical program OR earn an industry recognized credential of score of Proficient on Career-Tech Competency Assessment	N/A	N/A	N/A

**\*Students must meet all but ONE criterion in any given category.**

**\*For additional information about the Honors Diploma go to:  
<http://education.ohio.gov/Topics/Ohio-s-Graduation-Requirements/Honors-Diplomas>**

## II: Scheduling Information:

### A: CHS CLASS SCHEDULE:

Celina High School will continue to operate on a 7 period day. Each day will include a 36 minute lunch period and 36 minute Intervention/Enrichment period. The academic year will be divided into two semesters, each containing two 9-week grading periods.

### B: REGISTRATION REQUIREMENTS and INFORMATION

During the scheduling process, please be aware of the following:

- Students must register for a minimum of 5 academic credits per year.
- Students who are served on an Individualized Education Plan or 504 Plan have the opportunity to enroll in Intervention for one period.
- **Any** student may enroll in an Academic Intervention or Study Hall for one period.
- Study Hall will not count as credits.
- **NO STUDENT MAY HAVE MORE THAN ONE STUDY HALL OR INTERVENTION PER SEMESTER.**
- Seniors in good academic standing may request “early release” for the last period of the day. Requests are not guaranteed and will be based on placement of other classes on the student schedule. Early release may be revoked if the student does not maintain adequate grades, attendance or behavior.
- During the registration process, students will be asked to choose alternate selections for their elective choices. **Alternates may become part of your final schedule. Please choose these courses wisely.**

### C: ATHLETIC & EXTRACURRICULAR ELIGIBILITY

Satisfactory academic achievement is a condition for eligibility to participate in extracurricular activities. Therefore, the CHS policy for eligibility states that students must meet the following requirements:

1. Students must be enrolled in 5 courses per semester.
2. Students must receive passing grades in 5 classes in the 9-week grading period prior to their season of eligibility.
3. Students may have no more than one (1) failing grade in the previous grading period.
4. Students must maintain a GPA of no less than 1.5 on a 4.0 grading scale in the previous grading period.
5. Grades of all student athletes will be monitored on the 10<sup>th</sup> and the 25<sup>th</sup> of each month. Students who fall below a cumulative 2.0 will be required to attend study sessions.
6. Students should not request schedule changes (i.e. drop a course) without first consulting the principal, athletic director, or guidance counselor to determine whether it will affect eligibility.

### D: The Scheduling Process:

1. Students and parents will read over the registration materials and select courses for the student based on the student’s interest, ability, and future goals.
2. Students and parents are encouraged to speak with teachers directly or via email to discuss student course selection.
3. Students will complete the registration sheet including student and parent’s signature.
4. **Wednesday, Feb 20<sup>th</sup> will be registration day for students in grades 9-11.** Students are to report to school on the following schedule: (schedule based on first letter of the last name)  
**9<sup>th</sup>: A-L: 7:30-8:15 M-Z: 8:15-9:00**  
**10<sup>th</sup>: A-L: 9:15-10:00 M-Z: 10:00-10:45**  
**11<sup>th</sup>: Will begin at approximately 11:00 when ACT testing is completed. Registration in the gym will end at 12:15**

**NOTE: In order to complete the registration process students must bring their completed registration form signed by a parent.**

## **E: REGISTRATION AND SCHEDULING MEETINGS:**

★ **HIGH SCHOOL 101: An Orientation for Parents of 8<sup>th</sup> Graders**  
Parents of incoming freshmen are encouraged to attend “High School 101: An Orientation for Parents” on Tuesday, Jan. 29<sup>th</sup> from 6:00-7:30 p.m. in the high school lecture hall. Administrators, counselors, and teachers will provide information about graduation and college entrance requirements, course information, and a tour of the facilities.

★ **Upperclassman registration:** All students in grades 9-11 will receive registration materials and attend a registration presentation during the IE period on Thursday, Jan 31<sup>st</sup>

★ **Additional Assistance:**

- ❖ **Individual Scheduling Meetings:** Counselors will meet with students during the week of Feb. 4<sup>th</sup> to go over credits, progress toward graduation, future schedule and career planning.
- ❖ **All CHS students are assigned a counselor. Counselor assignments and contact information is listed below:**

**Tonya Temple**  
Student last names A-K  
[Tonya.Temple@celinaschools.org](mailto:Tonya.Temple@celinaschools.org)

**Ethan Knopp**  
Student last names L-Z  
[Ethan.Knopp@celinaschools.org](mailto:Ethan.Knopp@celinaschools.org)

**Wendy Gabes**  
Seniors  
College Credit Plus Coordinator  
[Wendy.Gabes@celinaschools.org](mailto:Wendy.Gabes@celinaschools.org)

**Office Phone: 419-586-8300 ext. 1513**

**Office hours: 7:00 a.m. – 3:30 p.m.**

## **F: SCHEDULING & SCHEDULE CHANGE POLICY**

Students, with the careful input of teachers and parents, need to select courses based upon: graduation requirements, future educational goals, academic aptitude, and individual interest. Once requests are received, every effort will be made to accommodate student requests. All scheduling decisions are made based on student course requests including: classes and sections offered, hiring of additional staff and purchase of materials. Therefore, after **JUNE 1, SCHEDULES WILL NOT BE CHANGED UNLESS ONE OF THE FOLLOWING SITUATIONS EXISTS:**

- Scheduling error: student enrolled in wrong course, student missing course, courses are out of sequence, etc...
  - Student completed the course in Summer School and received credit.
  - Course is above student’s ability level: based on teacher input/approval. Student and parent must schedule a meeting with the teacher to discuss moving levels in a course. This change can **ONLY** take place during the first 10 days of the semester or at the beginning of the new semester.
  - A change in programming: Virtual Academy, CBI, TriStar, CCP
  - Any of these changes **MUST** occur within the first 10 days of the semester. Any changes made after that deadline will result in a withdraw grade of WF. Students must complete a course change request form to initiate any of these changes.
- 
- ❖ To request a change that does not fall under one of these conditions students must submit a course change request form by the announced deadline and include a reason for the request.
  - ❖ Year- long classes will not be dropped at the semester unless the student received a failing grade for the first semester
  - ❖ Schedules will **NOT** be changed to accommodate teacher preference or period preference.
  - ❖ Classes on the current schedule will not be moved to accommodate changes.

### **III: EDUCATIONAL OPTIONS:**

#### **A: HONORS/ADVANCED COURSEWORK:**

1. **ADVANCED PLACEMENT COURSES:** Advanced Placement courses are offered in Calculus, Biology, Chemistry, English, American Government, Statistics, and Art Appreciation & History. These courses follow the prescribed curriculum of the Advanced Placement Program. An AP exam is offered at the end of the school year – college credits may be awarded based upon the score earned on the AP examination. Final grades received in these courses are weighted by .33. Students must have teacher approval to register for an AP class.

**CHANGE FOR 2019 AND BEYOND:** Due to changes by CollegeBoard, the company governing Advanced Placement exams, students will be required to commit to taking the AP Exam by Nov. 15<sup>th</sup> of 2019. Students are responsible for registering themselves for the exam and must pay a deposit of \$50.00 to test. This deposit is non-refundable should the student decide later NOT to take the exam.

**The following policy applies to students wishing to drop an Advanced Placement Course:**

- Students and their parents must schedule a meeting with the AP teacher to discuss student progress in the course and reasons for initiating the drop.

2. **HONORS COURSES**

The following Honors courses are offered and carry a weighted grade equal to one-half the weight of the AP courses or .167. Placement in Honors Courses is based on teacher recommendation.

- Honors Geometry (grades 9 & 10)
- Honors Algebra 2 (grades 10 & 11)
- Honors Pre-Calculus (grades 11 & 12)
- Honors English 9 (grade 9)
- Honors English 10 (grade 10)
- Honors College English 11 (grade 11)
- Honors Biology (grades 9 & 10)
- Honors English 11 (grade 11)
- Honors English 12 (grade 12)

#### **B: TRI STAR CAREER COMPACT:**

Juniors and seniors have the opportunity to enroll in one of the career-technical programs offered through the TriStar Career Compact. The goal of Career Technical education is to help students develop skills that will be valuable throughout their lifetime. Students who successfully complete a Career Technical program develop skills that make them job ready for the workforce upon graduation. In addition, students may be able to earn college credit or test out of college courses through enrollment in select TriStar programs. Currently students may choose from the following two year programs:

- Agricultural Industrial Technology
- Animal Health
- Automotive Technology
- Business Management
- Career Based Intervention (one or two-year program)
- Construction
- Early Childhood Education
- Engineering Technology (one-year program)
- Graphic Communications
- Information Technology (IT Cybersecurity)
- Interactive Media
- Medical Preparation
- Precision Machining
- REC TEC (Robotics, Electronics and Computer Technology)
- Welding

All 10<sup>th</sup> grade students will attend an orientation session and have an opportunity to visit a program. Students must apply and be accepted to register for a program. For more information contact the TriStar office at: 419-586-8300 ext. 1061.

### **C: Celina Virtual Learning Academy (CVLA):**

The Celina Virtual Academy is an online program designed for students who may have unique educational needs such as: credit deficiency or other extenuating educational, personal or social issues. Due to limited space and resources, enrollment in CVLA will be restricted to those students with extreme educational needs. Placement in the Virtual Academy is determined by the school administration and/or counselors. Students should contact their counselor or a principal for additional information

### **D: College Credit Plus:**

Ohio's College Credit Plus program allows qualifying students the opportunity to earn college credits while still attending high school. The following are provisions of this program:

- The student must meet the admission requirements of the post-secondary institution. Students must apply and be accepted to the post-secondary institution.
- Students and parents must attend a mandatory orientation meeting at the high school prior to enrolling in CCP.
- Once enrolled in the post-secondary institution students will be assigned a counselor at the college. All scheduling and questions relating to college courses will be handled by the college counselor.
- The number of courses a student may take at the college will vary depending on the number of classes the student is taking at the high school. Students may not take more than 30 semester hours of classes during one academic year.
- For additional information about College Credit Plus contact Mrs. Gabes.  
[Wendy.gabes@celinaschools.org](mailto:Wendy.gabes@celinaschools.org)

### **E: Celina School Policy regarding CC+**

- Academic classes taken through the College Credit Plus program will be considered Honors Courses and weighted accordingly.
- If students take a course through College Credit Plus that corresponds to an Advanced Placement Course, students will be given Advanced Placement weight for the course. Example: A "Statistics" course WOULD receive AP weight as AP Statistics is offered at CHS. "Intro to Psychology" would NOT receive AP weight as AP Psychology is not currently offered at CHS.
- Every effort will be made by the CHS counselors to meet with students and set up a schedule for High School courses BEFORE students schedule with their college. **Please note: Students MAY NOT leave a CHS class early or arrive late to accommodate classes at the college.**
- **Per state regulations; students will be required to pay for any class dropped after the "no fault" deadline given by the college. In addition per school policy; courses dropped after this deadline will be noted as a WF (Withdraw Fail) on the student's high school transcript.**
- **Athletes will be required to submit a "mid-term" grade report to the Athletic Office at the end of a 9-week grading period if they are actively participating in a sport. Forms may be picked up in the Athletic office and will need to be signed by the professor of each college course. Athletes will be considered "ineligible" until this form has been received and verified by the Athletic Director.**
- **For additional questions regarding CC+ please contact Wendy Gabes ([wendy.gabes@celinaschools.org](mailto:wendy.gabes@celinaschools.org)).**



## **G: Early Graduation:**

**CLASS of 2020:** Students wishing to graduate at the midpoint of the senior year must schedule an appointment with their counselor to verify that they are on track for this option. Students must then submit a plan as to how they will meet remaining requirements. Students in the class of 2019 must have these plans completed and approved by a counselor and principal no later than October 1, 2017, however it is **STRONGLY** recommended that students complete these plans prior to the end of the current school year.

**CLASS of 2021:** Students wishing to graduate after their junior year must meet with a counselor to determine remaining graduation requirements. Students must then submit a plan detailing how they will meet outstanding requirements. Because class space may be limited after the start of the school year, juniors must submit their plans no later than October 1, 2019. It is **STRONGLY** suggested that students complete these plans prior to the end of the current school year. **NOTE: Students will not be moved to senior status and will be ranked according to their original graduation class. Students are eligible to apply for the same scholarships that are open to seniors.**

## Drawing 1 (ART500)

**Prerequisite:** None

The primary focus of this course is to learn drawing techniques! Students will complete projects involving various drawing materials and subjects. Areas explored will be graphite values, portrait, figure, ink, sequence, patriotism, charcoal, contrasto, fresco, scratchboard, reassemble, and free choice. Computer image manipulation with Adobe Photoshop will be introduced.

**Course Fee:** \$60.00

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

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** Student will receive a complete drawing kit.

## Drawing 2 (ART501)

**Prerequisite:** Drawing 1

In this course, students will further develop drawing skills by completing larger and more complex projects. Areas of exploration will include distortion, portraits, patriotism, scratchboard, mosaic, foam core, and self-portrait—all including some computer image manipulation with Adobe Photoshop.

**Course Fee:** \$65.00

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** Student will receive a complete drawing kit.

## Drawing 3 (ART502)

**Prerequisite:** Drawing 1 & 2

Students interested in this course will explore various drawing themes and alternative formats in depth. Topics will include themes, large formats, linoleum prints, foreshortening, altered art, and portraits. Adobe Photoshop image editing will be a major part of composing drawing ideas.

**Course Fee:** \$70.00

**Grade:** 11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** Students will receive a complete kit and drawing board, and portfolio.

## Adobe Illustrator 1 (ART503)

**Prerequisite:** None

In this course, students will learn to draw and design basic images on the computer using Adobe Illustrator. We will be exploring different projects including: screen printing, t-shirt design, poster design, making our own comics, animation 3D art work and much more. Students will also design the school's art show poster.

**Course Fee:** \$20.00

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

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:**

## Adobe Illustrator 2 (ART504)

**Prerequisite:** Adobe Illustrator 1

In this course students will further develop the skills learned in Adobe Illustrator 1. We will be exploring different projects including: screen printing, t-shirt design, poster design, making our own comics, animation 3D art work and much more.

**Course Fee:** \$20.00

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** B Average in Computer Graphics 1 with Instructor Approval Required.

## Ceramics I (ART505)

**Prerequisite:** None

This course is an introductory ceramics class for students who wish to explore the art of ceramics. Focus will be on hand building techniques: pinch, coil and slabs.

Functional as well as sculptural applications will be explored. Pottery wheel will be introduced.

**Course Fee:** \$50.00

**Grade:** 10,11,12

**Credit:** ½ credit

**Length:** 1 semester

## Ceramics II (ART506)

**Prerequisite:** Ceramics I with a B or better.

This course is designed for students to expand their basic knowledge and skills in hand building. Students will propose projects of their own design as well as teacher-designed projects. Students will develop skills on the pottery wheel, creating many functional pieces.

**Course Fee:** \$50.00

**Grade:** 11 & 12

**Credit:** ½ credit

**Length:** 1 semester

## Advanced Ceramics and Sculpture (ART507)

**Prerequisite:** Ceramics I and Ceramics II with a B or better and permission of instructor.

Students will continue to explore ceramics with more emphasis on the overall idea and meaning of an artwork. Students will propose projects of their own design as well as teacher-designed projects. Advanced ceramics students must be self-motivated individuals.

**Course Fee:** \$50.00

**Grade:** 12

**Credit:** ½ credit

**Length:** 1 semester

## Handcrafted Jewelry (ART508)

**Prerequisite:** None

Students in this course will learn the basic techniques and design elements of jewelry making. Followed by a unit in design, students will learn how to design and produce jewelry from recycled objects, wood, plastic, clay, wire, copper, and silver. With an emphasis on studio production, this course is also designed to develop higher level creative thinking. Therefore, students will analyze and evaluate jewelry according to the elements and principles of art for its expressive qualities and aesthetics.

**Course Fee:** \$60.00

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

**Credit:** 1/2 credit

**Length:** 1 semester

### Acrylic Painting 1 (ART509)

**Prerequisite:** Instructor approval at registration

This course offers the opportunity for students to learn how to paint and to become familiar with art history. Students will complete approximately 8 painting assignments on canvas that are coordinated with styles and artists from art history. Acrylic painting techniques are combined with the styles of monochromatic, pop art, impressionism, expressionism, abstraction, genre, and free choice.

**Course Fee:** \$70.00

**Grade:** 11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** Student will receive a full painting kit

### Acrylic Painting 2 (ART510)

**Prerequisite:** Acrylic Painting 1

In this course, students will have the opportunity to continue to develop their painting skills. Students will complete 6 larger and more complex paintings on stretched canvas. Subjects include portrait, collage, palette knife technique, mixed media, and some free choice.

**Course Fee:** \$70.00

**Grade:** 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** B Average in Painting 1 with Instructor approval. Student will receive a full painting kit.

### Traditional and Digital Photography (ART511)

**Prerequisite:** 2.8 or Higher GPA and Instructor Approval

Students in this course will learn how to use both a film and digital camera. The basic darkroom procedures of developing and enlarging black and white film and prints will be discussed, as well as shooting digital images and photo editing on the computer with Photoshop. A variety of techniques used in the creation, development, and composition of photography will be included.

**Course Fee:** \$65.00

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** Student must provide both a 35mm film camera and a digital camera for this course.

### Advanced Photography (ART512)

**Prerequisite:** B average in Photography and instructor approval

Students in this course will expand their knowledge on photography using both film and digital cameras. The basic darkroom procedures of developing and enlarging black and white film and prints will be continued, as well as shooting digital camera images and photo editing on the computer with Photoshop. A variety of alternative techniques used in the creation, development, and composition of photography will be continued including: toning, chemigrams, liquid emulsions, polaroid transfers, Cliché vere, photograms and developer painted prints

**Course Fee:** \$65.00

**Grade:** 11,12

**Credit:** 1/2 credit

**Length:** 1 semester

### Adobe Photoshop 1 (ART513)

**Prerequisite:** None

Put yourself on a magazine cover, in your favorite band, in an ad, on a CD cover, or on a movie poster when you learn Photoshop! Students will learn how to edit images to create their own compositions on the computer.

Students will complete several projects that will teach them how to manipulate images using Adobe Photoshop.

Some areas that will be covered include basic photo correction, masking, retouching, layers, filters, text, vector imaging, resolution, printing techniques, and using a scanner.

**Course Fee:** \$25.00

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

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** Students must supply numerous digital or film prints of themselves and/or family members to complete most of the required assignments.

### Art Design Techniques (ART514)

**Prerequisite:** None

This course will teach the basic art design fundamentals through a wide range of studio projects. The students will be introduced to both 2 and 3-dimensional media and art techniques. Projects may include drawing, painting, papier mache, batiks, linoleum block prints, sculptures, silk-screening, photography, and more!

**Course Fee:** \$45.00

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

**Credit:** 1/2 credit

**Length:** 1 semester

### AP Art History & Appreciation (ART591)

**Prerequisite:** \*\*3.0 or Higher GPA and Instructor approval

In this course, students will study the history of art from prehistoric through the Modern period. Coursework will include in-class participation, quizzes, tests, writing assignments, viewing artwork in video format, and projects relative to art history. No studio art background is required. Course grade is weighted according to AP grading scale.

**Course Fee:** \$20.00

**Grade:** 11 & 12

**Credit:** 1 credit

**Length:** 2 semesters

**Special Notes:** This course serves as an excellent preparation for the advanced placement art history exam given in May. AP art history and appreciation is highly recommended for the college bound student seeking to meet art entrance requirements.

### Independent Study in Art (ART599)

**Prerequisite:** Instructor approval

This course provides an opportunity for advanced art students to do extra artwork in specialized areas of interest. Students will select an area of study and plan with the instructor various art projects to earn credit.

**Course Fee:** \$45.00

**Grade:** 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** Must have a minimum of 2 art credits to register for this course.

**Freshman Foundations: College & Career Readiness (BUS600)**

**This is a required course for all 9<sup>th</sup> graders.**

Students will explore career cluster areas giving them the skills needed to make informed decisions about future college and career options. Projects related to these clusters will enhance the student skill set in keyboarding, document formatting and design while learning advanced software skills. Students will also develop personal finance skills including how to budget, save, spend wisely, and avoid debt.

**Course Fee:** \$20.00

**Grade:** 9

**Credit:** ½ credit

**Length:** 1 semester

**Special Notes:** This course is required for graduation.

**Computer Applications I (BUS601)**

**Prerequisite:** None

Students will utilize Microsoft Office 2013 applications (Word, Excel, PowerPoint, Access and Publisher) while developing critical thinking and accountability skills as well as mastering basic keyboarding. Students will also learn how to format basic documents for employability and are encouraged to use learned skills in coursework and projects for other teachers. Skills developed using Microsoft Office will enable students to transfer their knowledge to other software applications.

**Course Fee:** \$10.00

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

**Credit:** 1/2 credit

**Length:** 1 semester

**Computer Applications II (BUS602)**

**Prerequisite:** C- or above in Computer Applications I

This course concentrates on the INTERMEDIATE levels of the software used in Computer Applications I. Software utilized includes: Microsoft Word, Excel, PowerPoint, Access and Publisher. Students are encouraged to use their skills in other coursework and projects for other teachers.

**Course Fee:** \$10.00

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Computer Applications III (BUS603)**

**Prerequisite:** C- or above in Computer Applications II

This course concentrates on the ADVANCED levels of the software used in Computer Applications II. Software utilized includes: Microsoft Word, Excel, PowerPoint, Access and Publisher. Students will also be encouraged to use their skills in other coursework.

**Course Fee:** \$10.00

**Grade:** 10,11,12

**Credit:** 1/2 credit

**Length:** 1 semester

**Introduction to Business (BUS605)**

**Prerequisite:** NONE

This course will introduce students to key business related topics and help them assess their interests and abilities in a business career. The content includes an introduction to accounting, economics, entrepreneurship/small business ownership, finance, international business, business management and marketing, as well as personal finance and management. This course incorporates the use of technology including computers and software.

**Course Fee:** \$10.00

**Grade:** 9 & 10

**Credit:** 1/2 credit

**Length:** 1 semester

**Accounting 1 (BUS607)**

**Prerequisite:** None

Accounting I is intended to provide general information concerning terms, procedures, and forms in the accounting field. This class will provide students considering a business major in college with a solid foundation for accounting classes at the college level. Students will complete the accounting cycle for a proprietorship including journalizing and posting transactions, preparing payroll and financial statements, and end-of-fiscal period work. Students will also complete the accounting cycle for a corporation including equity accounts, additional financial statements, subsidiary ledgers, and a payroll system for compensating employees. This course is important for any student considering a business major in college.

**Course Fee:** \$92.25

**Grade:** 10,11,12

**Credit:** 1 credit

**Length:** 1 Year

**Special Notes:** Working papers and two practice sets must be purchased. Calculator and straight edge are required.

**Accounting 2 (BUS611)**

**Prerequisite:** C- or above in Accounting 1.

The purpose of this course is to prepare students who are planning to major in business at college by acquainting students with advanced concepts in accounting. Students will review accounting principles from Accounting 1. New topics will include: accounts receivable, accounts payable, control systems, and payroll, departmentalized corporate accounting, depreciation, management and cost accounting, and financial statement analysis.

**Course Fee:** \$60.25

**Grade:** 11,12

**Credit:** 1 credit

**Length:** 1 Year

**Special Notes:** Working papers and a practice set must be purchased.

## **Business Law (BUS609)**

**Prerequisite:** None

The purpose of this course is to provide students with a basic knowledge of law that provides practical use for everyday life. Course topics include: law and our legal system, contract law, consumer law, employment protection and equal opportunity, purchasing power, and insurance. Past guest speakers include: law enforcement officers, attorneys, jurors, landlords, insurance agents, and a Better Business Bureau representative. A class field trip is taken to the Mercer County Court of Common Pleas to observe court in session and occupations within the legal system.

**Course Fee:** \$10.00

**Grade:** 11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

## **Business Math (BUS610)**

**Prerequisite:** None

This course is intended to provide students with the mathematical skills necessary for everyday living. Students will be introduced to the mathematics involved in purchasing, borrowing, wages, and taxes. Content will include a review of decimals, fractions, and percentages presented as problems in business. In addition, students will learn about income, checking accounts, cash and credit card purchases, loans, budgeting, insurance, investments, housing and transportation costs, payroll, and other business applications.

**Course Fee:** \$30.50

**Grade:** 10, 11,12

**Credit:** 1/2 credit

**Length:** 1 semester

## **Financial Management (BUS615)**

**Prerequisite:** None

**Purpose:** This course provides students with sound money management skills and financial planning.

**Content:** The objective of this course is to prepare students to successfully manage money based on their goals and desires. The course covers the basics of financial planning and money management. Topics covered may include the following: decision making, loans, checking, savings, investing, credit, insurance, budgeting, taxes, banking services, and retirement funds. The course will help prepare students for the financial decisions they will face during and after high school. This course incorporates the use of technology including computers and software.

**Course Fee:** \$10.00

**Grade:** 10, 11,12

**Credit:** 1/2 credit

**Length:** 1 semester



## English 11 College Prep (ENG310)

**Prerequisite:** English 10

This course is for college-bound juniors and seniors who need to improve reading comprehension and writing skills. The course will include American literary works in all genres, vocabulary, and a specific emphasis on note-taking skills and the study and application of research skills.

**Course Fee:** \$6.00

**Grade:** 11 & 12

**Credit:** 1 credit

**Length:** 1 year

## Honors English 11 (ENG320)

**Prerequisite:** *Honors English 10 or English 10 and teacher recommendation*

Students will chronologically survey the development of United States literature by studying the historical, social, and philosophical influences, beginning with Native American literature and extending through contemporary works. They will become acquainted with major American writers; these writers' topics, styles, and genres; and examples of well-known works of literature. The course also broadens students' vocabulary and develops their skills in the comprehension of increasingly complex fiction and nonfiction texts, speaking, critical thinking, research, and analytical and creative writing.

**Course Fee:** \$26.00

**Grade:** 11

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** This course is open to grades 11 and 12 and is intended for students who are planning to continue their education after high school. Students will purchase materials to supplement the textbook. The course carries a weighted grade.

## CVLA ENGLISH 11(CVLA133 & CVLA134)

**Prerequisite:** **This course is an option for juniors who have earned the 4 required points on the English End of Course Exams.**

This course is an online, self-paced course designed to fulfill the English requirement for graduation. Student will be assigned to the Virtual Learning Academy for a period of the day and will be expected to work on the course during that time. This course DOES NOT prepare students for 2 or 4 -year college entrance and should only be considered for students who have plans to pursue fulltime employment directly after high school.

**Course Fee:** NONE

**Grade:** 11

**Credit:** 1

**Length:** 1 year

**SPECIAL NOTE: Student and parents must sign a waiver indicating that they understand the consequences of choosing this class over a traditional English course.**

## Practical English 12 (ENG400)

**Prerequisite:** English 11 or Practical English 11

This course is intended for seniors who plan to attend a technical school, join the military, or enter the workforce upon graduation.

The course will continue the study of effective oral and written communication and develop skills for lifelong reading comprehension and appreciation. Students will explore a variety of fiction and non-fiction texts with an emphasis on reading, grammar, mechanics, and writing skills applicable to daily life situations.

**Course Fee:** \$26.00

**Grade:** 12

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Teacher recommendation required.

## English 12 College Prep (ENG410)

**Prerequisite:** English 11 or Honors English 11

This course for college-bound seniors is intended to familiarize students with major world authors, their works, and the historical trends that have affected them and to improve and coordinate reading comprehension, critical thinking, speaking, analytical, and creative writing skills. The class will present works of poetry, prose, and drama dating from the classical period into the 20th century, as well as vocabulary study and instruction and practice in writing, organization, style, and grammar mechanics and usage conventions. There will also be a focus on English literature from the Anglo-Saxon period through the Renaissance, plus selected world literature from ancient cultures.

**Course Fee:** \$7.00

**Grade:** 12

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Students who have earned an A or B in Honors English 11 are not eligible for this course. This course is intended for college-bound seniors.

## Honors English 12 (ENG420)

**Prerequisite:** Honors English 11 and teacher recommendation.

This course familiarize students with major world authors, their works, and the historical trends that affected them, along with improving students' reading comprehension, speaking, critical thinking, and analytical and creative writing skills. This course focuses on poetry, prose, and drama in English literature from the Anglo-Saxon period through the Renaissance, plus selected world literature from ancient to modern with vocabulary study and instruction and practice in writing organization, style, grammar, mechanics, and usage.

**Course Fee:** \$36.00

**Grade:** 12

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** This course is intended for those students who are planning to continue their education after high school or those who want a thorough English background. This course carries a weighted grade.

## AP English: Literature & Composition (ENG500)

**Prerequisite:** Honors English 10 & 11 and teacher recommendation. This course is designed for students seeking an advanced study in all phases of literature and writing and will include an extensive study of multiple genres of literature. Analytical writing assignments will be required. The intent is to help students prepare for college freshman level work at an accelerated level.

Content will focus on introducing intensive literary analysis and writing with an emphasis on short and long fiction, modern and classical drama, and post-Renaissance to Modern period poetry. There will be extended and increasing practice during the year for the Advanced Placement English Literature and Composition exam taken in May.

**Course Fee:** \$45.00

**Grade:** 12

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Student book purchase required.

## CVLA ENGLISH 12(CVLA143 & CVLA144)

**Prerequisite:** This course is an option for seniors who have earned the 4 required points on the English End of Course Exams.

This course is an online, self-paced course designed to fulfill the English requirement for graduation. Student will be assigned to the Virtual Learning Academy for a period of the day and will be expected to work on the course during that time. This course DOES NOT prepare students for 2 or 4 year college entrance and should only be considered for students who have plans to pursue fulltime employment directly after high school.

**Course Fee:** NONE

**Grade:** 12

**Credit:** 1

**Length:** 1 year

**SPECIAL NOTE:** Student and parents must sign a waiver indicating that they understand the consequences of choosing this class over a traditional English course.

## Independent Reading (ENG600)

**Prerequisite:** None

The intent of this course is to provide students the opportunity to enjoy literature by reading books of their own selection.

Students will spend class time reading a variety of books, engaging in discussion with the instructor, and preparing written responses. All reading material is subject to the teacher's approval.

**Course Fee:** None

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** This is not a college prep course.

## Techniques of Acting (ENG602)

**Prerequisite:** None

This course is intended to familiarize the student with the individual techniques involved in acting. The course will focus on 4 components: **Artistic expression**, using the language and skills of theatre, **Creative Expression**, creating theatre to communicate meaning and intent, **Historical and Cultural Content**, examining the key figures and historical periods of theatre, and **Aesthetic Valuing**, analyzing theatre for meaning and intent as well as its ability to communicate effectively. The class encompasses many topics in the theatre world such as: Team work, line memorization, movement, voice, play analysis, improvisation, character analysis, performance, scene work, monologues, theatre history and play reports. .

**Course Fee:** None

**Grade:** 9, 10, 11

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** The student must be willing to participate in a variety of performance activities on a regular basis. Writing will be required throughout the course. Students may only take this course one time during grades 9-11.

## Creative Writing (ENG604)

**Prerequisite:** English 9

This course is intended to stimulate the student's creative processes and to allow him/her to practice creativity by writing stories and creating projects. The course will make students aware of the amount of writing and various styles of writing used in daily life. Students will do several in-class writings based on activities and work will be evaluated with primary emphasis on creativity and content.

**Course Fee:** \$2.00

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** This is not a college prep course.

## Successful Speaking: Just SAY It! (ENG606)

**Prerequisite:** None

This course is designed to introduce the student to the theory and process of shaping ideas into an effective oral presentation. Particular attention is paid to selecting supporting materials, arranging ideas in a logical manner, and delivering the speech effectively. Emphasis is placed on presenting informative, demonstrative, and persuasive speeches, with opportunities also provided for impromptu speaking experiences.

**Course Fee:** None

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** This is not a college prep course.

## Short Story (ENG608)

**Prerequisite:** None

This course is designed to acquaint the student with the development and structure of the short story as a form of literature. The student is encouraged to see that this type of literature not only provides pleasure, but also increases understanding of self and the surrounding world. The course involves the study of the various elements of a short story with an emphasis on reading, writing, and discussing many short stories in class.

**Course Fee:** None

**Grade:** 10, 11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** This is not a college prep course.

## Shakespeare (ENG610)

**Prerequisite:** English 9A & B

This course will be a hands-on exploration of the works of William Shakespeare. Students will learn about the background and performance history of several different plays. Students will see various versions of the plays and create their own interpretations of scenes in each. We will read at least one tragedy (e.g. *King Lear*, *Othello*, etc.), one history (e.g. *Richard III*, *Henry V*, *Antony and Cleopatra* etc.) and one comedy (*Midsummer Night's Dream*, *Twelfth Night*, *Much Ado About Nothing*, etc.)

**Course Fee:** \$18.00

**Grade:** 10, 11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** The plays read in this course will change each year so the course could be taken more than once



## Literature and Film (ENG612)

**Prerequisite:** 9<sup>th</sup> and 10<sup>th</sup> graders wanting to enroll in this course must be enrolled in Honors English

Stories are an essential part of every human culture; they help us to make meaning and understand ourselves, each other, and our place in the world. The means by which these stories are told—whether they are written, spoken, or acted on stage or screen—influences the way we approach and interpret them. Film, while it may be influenced by written work, should always be considered an entirely unique piece of art for the purposes of critique and analysis. This course explores the complex interplay between film and literature. Selected novels, short stories and plays are analyzed in relation to film versions of the same works to gain an understanding of the possibilities and problems involved in the transposition to film. We will also investigate films that do not have written work as their inspiration to discover ways in which these stories work in terms of our understanding of the nature of literature and the role it plays in our lives.

**Course Fee:** 0                      **Grade:** Honors 9&10  
Any 11-12

**Credit:** 1/2 credit                **Length:** 1 semester

**Special Note:** This course is reading and writing intensive

## Leadership Lessons from Film, Literature and Media (ENG614)

**Prerequisite:** None

This course offers students the opportunity to examine leadership theory and develop leadership skills. Units of study will include effective communication, group process, managerial skills, self-awareness, and human relations. In addition, students will apply their knowledge and skills through a class project.

**Course Fee:** None                      **Grade:** 10 & 11

**Credit:** 1/2 credit                      **Length:** 1 semester

**Special Notes:** This course is designed for sophomores and juniors planning to seek leadership positions within the school or community such as a club or class office, team captain, or other leadership role.

## Managing Transitions (FCS641)

**Prerequisite:** None

This course is designed to help meet challenges faced in everyday life. You will examine your values and resources that support your lifestyle goals. Discussions will center on time management, developing plans to reduce and manage stress in your life and applying decision making skills to education, work, and personal problems. You will learn positive skills to express emotions and resolve conflict. Food labs will be included to help you plan and prepare basic, healthy meals and a sewing project will be completed to stress skill development.

**Course Fee:** \$25.00

**Grade:** 9 & 10

**Credit:** 1/2 credit

**Length:** 1 semester

## Healthy and Safe Food (FCS64)

**Prerequisite:** None

This course is designed to help you plan and prepare meals.

Healthy choices will be stressed with the help of reliable food information sources such as the USDA Myplate.gov and Dietary Guidelines. Traditional foods will also be included and making recipes healthier. Basic food preparation skills will be studied and practiced in food labs. Information regarding safe food handling practices will also be provided.

**Course Fee:** \$25.00

**Grade:** 10,11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

## Child Development (FCS645)

**Prerequisite:** None

If you are planning to have or care for children when you are older, then this class is for you. Topics include readiness for parenthood, consequences of teen parenthood, childbirth, infant and toddler care, preschool and school age children, guidance and discipline, nutrition, choosing appropriate toys and activities, child abuse issues and helping children with crisis situations such as divorce and death in the family. Labs will be included to address the nutrition of children and pregnant women.

**Course Fee:** \$15.00

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

**Credit:** 1/2 credit

**Length:** 1 semester

## Personal Wellness (FCS647)

**Prerequisite:** Healthy and Safe Foods

Students will learn about healthy lifestyles through proper nutrition and physical activity information. They will gain knowledge that will reduce the risks of disease and unsafe habits. Planning and preparing nutritious snacks and meals will be covered in class through food labs. Selection of healthy restaurant foods will also be researched. Students will study different weight loss plans and various sources of information regarding food and beverage selection. They will become informed of the skills necessary in order to become a wise consumer and safe handler of food.

**Special Note:** This course may be substituted for Health

**Course Fee:** \$25.00

**Grade:** 12

**Credit:** 1/2 credit

**Length:** 1 semester

## Career Search (FCS649)

**Prerequisite:** None

This course will provide students with the skills needed to make realistic educational and career plans beyond high school. Students will identify interests and match them with possible occupations. Educational opportunities and scholarships will be researched along with military options and work apprenticeships. Employability skills will be studied such as finding job leads, job applications, writing a resume and cover letter, and practicing interviewing skills. Once you have a job, what should you be prepared for? Topics such as work ethic, teamwork, relationships, leadership, communication, and problem solving skills will also be covered. The magazine Career World will be used.

**Course Fee:** None

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

**Credit:** 1/2 credit

**Length:** 1 semester

## School Yearbook: ANILEC (FCS100 & FCS200)

Students will produce the CHS Yearbook: ANILEC.

During this process students will develop skills in graphic design, design software, digital photography, journalistic writing, basics of advertising and ad design, public relations, leadership and team building skills. Students will work both individually and in cooperative groups throughout this course. Students enrolling in this course should have an interest in furthering their technology skills.

**Course Fee:** NONE

**Grade:** 9-12

**Credit:** 1/2 per semester

**Length:** 1 or 2

semesters

# FOREIGN LANGUAGES

## German 1 (GER100)

**Special Note:** *For students planning on attending a four-year university or who have a specific interest in learning the language. A foreign language is not a requirement for high school graduation.*

**Prerequisite:** *Current high school students will need the approval of the instructor.*

This course is intended to acquaint students with a basic knowledge of the German language and culture in various German-speaking countries. The course includes the study of vocabulary, grammar, and culture. Emphasis is placed on reading, listening, speaking, and writing skills.

**Course Fee:** None                      **Grade:** 9, 10, 11, 12  
**Credit:** 1                                **Length:** 1 year

## German 2 (GER200)

**Prerequisite:** German 1 completed with a C or higher and approval of instructor.

This course is intended to transition students from a basic to an intermediate level of proficiency. The course will include more intensive grammar and vocabulary study with an emphasis on furthering reading and conversational skills.

**Course Fee:** None                      **Grade:** 10, 11, 12  
**Credit:** 1 credit                        **Length:** 1 year

## German 3 (GER300)

**Prerequisite:** German 2 completed with a C or higher and approval of instructor.

This course is intended to apply- and build upon skills and knowledge learned in German 1 and 2. Focus will be on students developing a more sophisticated use of the language and to further explore the Germanic cultures. The second semester will be language instructions through content comprised of history, literature and film-on a rotating basis.

**Course Fee:** None                      **Grade:** 11, 12  
**Credit:** 1 credit                        **Length:** 1 year

## German 4 (GER400)

**Prerequisite:** German 3 completed with a C or higher and approval of instructor.

This course is intended to provide advanced study of German language and German culture. Depending on enrollment numbers, this course may be taught simultaneously with a German III class. As with German 3 the second semester will be language instruction through content comprised of history, literature, and film on a rotating basis.

**Course Fee:** None                      **Grade:** 12  
**Credit:** 1 credit                        **Length:** 1 year

## Spanish 1 (SPN100)

**Special Note:** *For students planning on attending a four-year university or who have a specific interest in learning the language. A foreign language is not a requirement for high school graduation.*

**Prerequisite:** *Current high school students will need the approval of the instructor.*

This course is intended to acquaint students with a basic knowledge of the Spanish language and culture in various Spanish speaking countries. The course includes the study of vocabulary, grammar, and culture. Emphasis is placed on reading, listening, speaking, and writing skills.

**Course Fee:** NONE                      **Grade:** 9, 10, 11  
**Credit:** 1 credit                        **Length:** 1 year

## Spanish 2 (SPN200)

**Prerequisite:** Spanish 1 and approval of the Spanish instructor.

This course is intended to transition students from a basic to an intermediate level of proficiency. The course will include more intensive grammar and vocabulary study with a special emphasis on reading and conversational skills.

**Course Fee:** NONE                      **Grade:** 10, 11, 12  
**Credit:** 1 credit                        **Length:** 1 year

## Spanish 3 (SPN300)

**Prerequisite:** Spanish 2 and the approval of the Spanish instructor

This course is intended to apply and build on skills and knowledge learned in Spanish 1 and 2. Focus will be on students developing a more sophisticated use of the language and a more complete understanding of Hispanic culture.

**Course Fee:** NONE                      **Grade:** 11, 12  
**Credit:** 1 credit                        **Length:** 1 year

## Spanish 4 (SPN400)

**Prerequisite:** Spanish 3 and the approval of the Spanish instructor

This course is intended to provide advanced study of Spanish language focusing on various communication skills.

**Course Fee:** none                      **Grade:** 12  
**Credit:** 1 credit                        **Length:** 1 year

# HEALTH & PHYSICAL EDUCATION

## Health (HPE100)

**Prerequisite:** None

This course is designed to provide knowledge and basic experiences that will help students to develop desirable health attitudes, habits, and skills.

**Course Fee:** None

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

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** This class is a make-up class only for those students who have not passed an approved health course. This is an online course.

## General Phys. Ed. (HPE101)

**Prerequisite:** None

This course is designed to provide each student the opportunity to participate in competitive and life time sports and activities. Activities may include: volleyball, basketball, football, softball, soccer, weight training, shuffleboard, ping pong, floor hockey and conditioning.

**Course Fee:** None

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

**Credit:** 1/4 credit

**Length:** 1 semester

**Special Notes:** Every student must complete a total of 1/2 credit in physical education studies to graduate from high school. 1/4 of this credit upon successful completion of 8<sup>th</sup> grade PE.

## Advanced Phys. Ed. (HPE201)

**Prerequisite:** General Phys. Ed.

This course is an advanced level of physical education.

**Course Fee:** None

**Grade:** 11 & 12

**Credit:** 1/4 credit

**Length:** 1 semester

## Weightlifting 1st Semester (HPE501)

**Prerequisite:** None

This course is designed to develop the student athlete, incorporating weightlifting, speed, and agility drills

**Special Note: Daily lifting is required. You will sweat in this class.**

**Course Fee:** none

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

**Credit:** 1/4 credit

**Length:** 1 semester

## Weightlifting 2nd Semester (HPE502)

**Prerequisite:** None

This course is designed to develop the student athlete, incorporating weightlifting, speed, and agility drills.

**Special Note: Daily lifting is required. You will sweat in this class.**

**Course Fee:** none

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

**Credit:** 1/4 credit

**Length:** 1 semester

- **STUDENTS MAY TAKE ONLY ONE SEMESTER OF WEIGHTLIFTING PER YEAR**
- **IT IS HIGHLY RECOMMENDED THAT STUDENTS INTENDING TO PARTICIPATE IN THE FOOTBALL PROGRAM DO NOT TAKE WEIGHTLIFTING DURING THE SPRING SEMESTER.**

## EDUCATIONAL OPTIONS

### Study Skills Intervention: (SP100/SP200)

**Prerequisite:** This course is only open to students on an IEP or 504 plan

Students will work on organizational skills and study skills. Focus will be on completing homework, and preparation for

quizzes, tests and standardized testing. Students will work on individual IEP and 504 goals.

**Course Fee:** none

**Grade:** 9-12

**Credit:** 1/4 credit

**Length:** 1 semester

### Media Center Worker (EDO460)

**Prerequisite:** Permission of Media Center Director

Students in this course will spend one period working in the media center, learning various managerial, organizational, and interpersonal skills.

**Course Fee:** none

**Grade:** 10-12

**Credit:** 1/4 credit

**Length:** 1 semester

### Academic Intervention: (AI100/AI200)

**Prerequisite:** NONE

Students will work on course homework, study for tests and quizzes and receive extra help as **needed**

**Course Fee:** none

**Grade:** 9-12

**Credit:** none

**Length:** 1 semester or 1 year

**Special Note:** Students may be scheduled for no more than one period of Academic Intervention per semester.

### FTA Teacher assistant: (EDO701/EDO702)

Teacher assistants will be assigned a teacher at the Primary School (K-2) or Middle School. Students will assist by tutoring students, preparing materials and other tasks as assigned by the cooperating teacher.

Enrollment based on approval by the FTA coordinator or the guidance counselor.

**Absences and disciplinary records may affect eligibility.**

**Course Fee:** NONE      **Grades** 10, 11 and 12\*

**Credit:** ¼ per semester      **Length:** 1 or 2 semesters

**\*10th graders must have participated in FTA in 9th grade**

### Junior Career Exploration: (EDO801 & EDO802)

**NOTE:** This course may be taken for 1 or 2 semesters.

This course is open to juniors who are in good academic standing. Students will attend class one day per week or as scheduled by the instructor. The remaining days students will be released early to complete class projects which may include job shadowing, interviewing or other activities as determined by the teacher.

**Course Fee:** NONE

**Grade:** 11

**Credit:** ¼

**Length:** 1 or 2 semesters

### Senior Early Release (EDO901 & EDO 902)

Seniors in good academic standing may request an early release for the 7<sup>th</sup> period. Requests for this course cannot be guaranteed, and placement may be dependent upon other courses on the schedule. Early release may be revoked by a principal as needed to ensure that students remain on track to graduate.

**Course Fee:** none

**Grade:** 12

**Credit:** none

**Length:** 1 semester or 1 year

# INDUSTRIAL TECHNOLOGY

## Introduction to Technology (TEC620)

**Prerequisite:** None

This course is intended to introduce students to different areas of our technological society. The student will explore and study different areas of technology. The course is intended to help students understand and apply the impact of present and future technologies in their lives and life styles.

**Course Fee:** \$42.50

**Grade:** 9 & 10

**Credit:** 1/2 credit

**Length:** 1 semester

## General Drafting (TEC621)

**Prerequisite:** None

This course is intended to develop a basic understanding of working drawings and beginning drafting practices as the foundation for communicating in all industrial technology and vocational courses. Instruction will include how to create basic 3-view drawings, dimensioning, reading of blueprints, and pictorial drawing. Basic AutoCAD principles will also be introduced to students.

**Course Fee:** \$15.00

**Grade:** 9 & 10

**Credit:** 1/2 credit

**Length:** 1 sem.

## Woods Technology 1 (TEC622)

**Prerequisite:** None

This course is designed to develop student interest in woodworking, familiarize students with hand and power tools, and develop hobbies and interests in wood industries. The student will be exposed to various types of wood and wood joints. Care and maintenance of tools and equipment will also be addressed. Students are responsible for an additional project fee.

**Course Fee:** \$25.00

**Grade:** 9 & 10

**Credit:** 1/2 credit

**Length:** 1 semester

## Woods Technology 2 (TEC623)

**Prerequisite:** B- in Woods Technology

This course is designed to build upon the skills acquired in Woods Tech I. Students will develop a better understanding of woodworking materials and techniques to properly execute joinery and cabinetry projects. Care and maintenance of tools and equipment will be addressed. Students are responsible for an additional project fee.

**Course Fee:** \$25.00

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

## Advanced Wood Working (TEC624)

**Prerequisite:** B- in Woods Technology I

This course is a continuation of woods technology I & II. Students will be working independently, practicing and demonstrating advanced woodworking skills used in the cabinet making and construction fields. An emphasis will be placed.

**Course Fee:** \$25.00

**Grade:** 11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

## Cabinetry (TEC625)

**Prerequisite:** B+ in Woods Technology 1

This course is designed to prepare students for employment in the cabinet making and fine woodworking trades. The course curriculum combines technical instruction with shop experience. Students learn to build cabinets and fine furnishings and complete precise work with their hands. Assigned projects help the students learn to use the tools of the cabinet making trade.

**Course Fee:** \$25.00

**Grade:** 11 & 12

**Credit:** 1 credit

**Length:** 1 year

## Basic Home Maintenance (TEC630)

**Prerequisite:** none

This course is recommended for students who have an interest in home maintenance and repair. It is designed primarily to meet the needs of students with little or no previous Technology Education experience. Home Maintenance covers basic house construction and use of hand and portable power tools for wood and other materials used in normal repairs. Classroom instruction is combined with hands-on experiences in performing tasks similar to those required in the home.

**Course Fee:** none

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

**Credit:** 1/2 credit

**Length:** 1 semester

## Engineering Drafting (TEC650)

**Prerequisite:** None

This course is designed to teach basic skills in computer aided drafting while performing tasks in the engineering or manufacturing areas. Required computer aided drawings will include orthographic projections, dimensioning, pictorial, detail work, and assembly drawings. This class stresses the basics and should benefit students planning to pursue engineering in college.

**Course Fee:** \$12.00

**Grade:** 10,11&12

**Credit:** 1/2 credit

**Length:** 1 semester

## Architectural Drafting (TEC651)

**Prerequisite:** None

This course is designed to develop a basic understanding of residential design, construction procedures, materials, codes, and material costs. The course will cover the design, symbols, specifications, and materials involved in residential construction. Students will draw basic residential plans using computer software and equipment. Plans include floor plans, foundation, electrical, elevations, and 3D presentation drawings.

**Course Fee:** \$12.00

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

# MATHEMATICS

## Grade 9 Math Courses:

### **Integrated Mathematical Concepts (MTH100)**

**Prerequisite:** None

This course is intended to help students build a foundation for the study of other high school mathematics courses. The course will specifically deal with basic topics from Algebra and Geometry. Content includes studies in the foundations of algebra, solving equations, solving inequalities, functions, linear algebra, real numbers, right triangles, perimeter, area, volume, two-dimensional figures, three-dimensional figures, and probability

**Course Fee:** None

**Grade:** 9

**Credit:** 1 credit

**Length:** 1 year

**Special Note:** *This course is designed for students who have difficulty with mathematics. A scientific calculator (like those purchased in Middle School) is required.*

### **Algebra 1 (MTH110)**

**Prerequisite:** None

The intent of this course is to help students understand the basic structures of the real number system, recognize and apply techniques used in Algebra, develop a logical procedure for problem solving, and appreciate the need for precision in using the Algebraic language. This course will focus on foundations of algebra, solving equations and inequalities, linear functions, systems of equations and inequalities, exponential functions, polynomials and factoring, quadratics functions, radicals and rational expressions and equations, data analysis, and probability.

**Course Fee:** None

**Grade:** 9

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** A scientific calculator (like those purchased in middle school) is required.

Students enrolled in this course will take a state mandated End of Course exam.

### **Honors Geometry (MTH120)**

**Prerequisite:** Algebra 1 (Grade of A or B preferred, see teacher with questions)

This advanced level of Geometry is intended for the student who has shown exceptional aptitude for Mathematics in the past or has taken Algebra I in the 8th grade. This course covers the following topics: points, lines, planes, proofs, angle relationships, perpendicular and parallel lines, congruent and similar polygons, constructions, circles, trigonometry, transformations, area, volume, and probability.

**Course Fee:** None

**Grade:** 9

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** *This course carries a weighted grade. Supplies needed: scientific calculator, compass, and protractor are required*

Students enrolled in this course will take a state mandated End of Course exam.

## Grade 10 Math Courses (11&12 as needed)

### **Practical Algebra 1 (MTH200)**

**Prerequisite:** None

This course will extend from the freshman course Integrated Math Concepts. Content will focus on Linear Functions, Systems of Equations and Inequalities, Exponents and Exponential Functions, Polynomials and Factoring, Quadratic Functions and Equations, Radical Expressions and Equations, Rational Expressions and Functions, and Data Analysis and Probability.

**Course Fee:** None

**Grade:** 10

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** *A scientific calculator (like those purchased in middle school) is required.*

### **Geometry (MTH210)**

**Prerequisite:** Algebra I

Content from this course will focus on Tools of Geometry (Points, Lines, and Planes), Reasoning and Proof, Parallel and Perpendicular Lines, Congruent Triangles, Relationships within Triangles, Polygons and Quadrilaterals, Similarity, Right Triangles and Trigonometry, Transformations, Area, Surface Area and Volume, Circles, and Probability. Students will also be asked to construct lines, angles, bisectors, etc. using geometric tools such as a straight edge, compass, and protractor.

**Course Fee:** None

**Grade:** 10 & 11

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** *A calculator is required.*

Students enrolled in this course will take a state mandated End of Course exam.

### **Honors Algebra 2(MTH220)**

**Prerequisite:** Geometry (with a recommended grade of A or B)

This advanced level of Algebra 2 is intended to prepare exceptional math students in applications of Algebraic skills and concepts at a quick pace. The course will continue the study of and linear and quadratic equations and other Real Number concepts from Algebra I, in addition to a study of complex numbers and polynomial, radical, rational, exponential, logarithmic, and trigonometric functions. The course also includes a study of sequences and series and an introduction to statistics.

**Course Fee:** None

**Grade:** 10 & 11

**Credit:** 1 credit

**Length:** 1 year

**Special Note:** *This course carries a weighted grade. A graphing calculator (preferably TI-83, TI-84) is required.*

## 11<sup>th</sup> & 12<sup>th</sup> Grade Math Courses

### Practical Geometry (MTH300)

**Prerequisite:** Practical Algebra 1 or Algebra 1

This course is intended to help students understand the basic structure of Geometry and to understand how Algebra and Geometry complement each other. Content includes points, lines, planes, induction and deduction, coordinate geometry, angle relationships, perpendicular and parallel lines, triangle relationships, quadrilaterals, right triangle trigonometry, polygons, area, circles, surface area, volume, and probability.

**Course Fee:** None                   **Grade:** 11, 12

**Credit:** 1 credit                   **Length:** 1 year                   *Special*

**Notes:** *This course is designed for those students who generally have difficulties in mathematics. A calculator, compass, and a protractor are needed for this course.*

**Students enrolled in this course will take a state mandated End of Course exam.**

### Algebra 2(MTH310)

**Prerequisite:** Geometry

This Algebra 2 course is intended to prepare students in applications of Algebraic skills at a moderate pace. The course will continue the study of and linear and quadratic equations and other Real Number concepts from Algebra I, in addition to a study of complex numbers and polynomial, radical, rational, exponential, logarithmic, and trigonometric functions.

**Course Fee:** None                   **Grade:** 11

**Credit:** 1 credit                   **Length:** 1 year

**Special Notes:** *A graphing calculator (preferably TI-83, TI-84) is required.*

### Practical Algebra 2(MTH410)

**Prerequisite:** Algebra I and Geometry

This course is intended to introduce a second year of algebraic concepts and skills to students who struggle with mathematics. The content includes a continued study of linear and quadratic equations and other Real Number concepts from Algebra I, in addition to a study of polynomial, radical, and rational functions. The course also includes an introduction to complex numbers, exponential and logarithmic functions.

**Course Fee:** None                   **Grade:** 11 & 12

**Credit:** 1 credit                   **Length:** 1 year

**Special Notes:** *A graphing calculator (preferably TI-83, TI-84) is required*

### Senior Math Concepts (MTH400)

Mathematical skills will be taught to students to succeed in a variety of life and career tracks. Students will be expected to apply basic algebra and geometry concepts. Students will become proficient in financial literacy and will explore the math needed in potential career choices.

**Course Fee:** None   **Grade:** 12

**Credit:** 1 Credit   **Length:** 1 yr.

**Prerequisites:** Algebra 1 and Geometry or their practical equivalent

**Special Notes:** This course is designed for students who generally have difficulties in mathematics and are not planning on attending a 4 year college. Approval from a guidance counselor is necessary. A scientific calculator (like those purchased in middle school) is required.



## ELECTIVE and ADVANCED PLACEMENT

### Math Courses

**\*\*May be needed for students to meet graduation requirements**

#### **Honors PreCalculus (MTH320)\*\***

**Prerequisite:** Algebra 2 (Grade of A or B is preferred, see teacher with questions).

This course introduces new methods of calculation and application of techniques learned in prior math courses to prepare students for college level mathematics. Students will be taught to simplify expressions, solve equations and inequalities, graph functions of all varieties, logarithms, trigonometry, and apply all techniques to real world situations.

**Course Fee:** None

**Grade:** 11 & 12

**Credit:** 1 credit

**Length:** All year

**Special Notes:** *This course carries a weighted grade. A graphing calculator (TI-83, TI-84) is required. A strong background in Algebra 2 is recommended.*

#### **AP Calculus (MTH500)**

**Prerequisite:** PreCalculus (Grade of A or B is preferred, see teacher with questions).

This course is designed to meet the requirements of most universities for Calculus credit. At the conclusion of the AP Calculus series, students will have the opportunity to take the Advanced Placement Calculus Exam, which may earn the student college credit. This course will cover relations, functions, limits, L'Hospital's rule, continuity, and differentiation of algebraic and trigonometric functions, related rates, applications of differentiation, advanced curve sketching, Sigma Notation, basic integration with Riemann Sums, The Fundamental Theorem of Calculus, slope fields, applications of integration, areas between curves, volumes of revolution by disk and washer method, volumes by integrating a known cross-section, differentiation and integration of transcendental functions and other advanced integration techniques. There will also be an intense study of sample AP questions in preparation for the AP Exam.

**Course Fee:** None

**Grade:** 12

**Credit:** 1 credit

**Length:** 1 Year

**Special Notes:** *A graphing calculator (preferably TI-83, TI-84) is required. This course carries a weighted grade.*

#### **Discrete Math(MTH604)\*\***

**Prerequisite:** Algebra 2

This elective mathematics course is designed to cover topics different than those in other mathematics courses offered. These topics include matrices, logic, number systems, graph theory, and probability.

**Course Fee:** None

**Grade:** 11 & 12

**Credit:** 1/2 credit

**Length:** 1 Semester

**Special Notes:** *A graphing calculator (preferably TI-83, TI-84) is required.*

#### **AP Statistics(MTH510)**

**Prerequisite:** Algebra 2 (Grade of A or B is preferred, see teacher with questions)

This course is designed to meet the requirements of most universities for Statistics credit. At the conclusion of AP Statistics, students will have the opportunity to take the Advanced Placement Statistics Exam. This course will cover data collections, methods for describing data distributions, probability, statistical inference, sampling variability, sampling distributions, estimating populations' proportions, population mean, experimental data, and categorical data. There will also be an intense study of sample AP questions in preparation for the AP Exam.

**Course Fee:** NONE

**Grade:** 11-

**Credit:** 1

**Length:** 1

**Year Special Notes:** *A graphing calculator (preferably TI-83, TI-84) is required. This course carries a weighted grade.*

#### **Statistics (MTH600)\*\***

**Prerequisite or Co-requisite:** Algebra 2

This course is designed to provide the student with a comprehensive overview of introductory statistics and probability in areas such as sociology, business, ecology, economics, education, medicine, psychology, and mathematics. A special effort is made to make concepts of statistics available to students who are not prepared for elaborate symbolism or complex arithmetic.

**Course Fee:** None

**Grade:** 10, 11 & 12

**Credit:** 1/2 credit

**Length:** 1 Semester

**Special Notes:** *A graphing calculator (preferably TI-83, TI-84) is recommended (not required).*

#### **Math 4(MTH602)\*\***

**Prerequisite:** Algebra 2

Math 4 will focus on the application of math in the real world, prepare students for college entrance exams, placement tests and help students feel math ready as they begin their post-high school goals. This course is a brief review of Algebra I, Algebra II, and Geometry. Students will study the number systems, linear equations, systems of equations, quadratics, exponential functions, fundamental geometry concepts, and some very basic trigonometric identities. Students will also focus on preparation for the math portion of the ACT and SAT tests.

**Course Fee:** None

**Grade:** 12

**Credit:** 1/2 credit

**Length:** 1

**Semester Special Notes:** *A graphing calculator (preferably TI-83, TI-84) is required.*

# MUSIC

## Band (MUS601)

**Pre-requisites:** *Participation in Band during the previous school year and/or approval of the instructor. Participation in summer and after school or other non-school hour rehearsals and performances are a requirement of the course. Attendance at Band Camp is mandatory. Please check your calendar before registering.*

Band is a full-year course. During the first nine to ten weeks of the year, all students will participate in Marching Band. During October, students will be auditioned for placement in either Concert or Symphonic Band (for advanced students) for the remainder of the year (enrollment/instrumentation permitting). Students will learn instrumental technique and perform a variety of music in both large and small ensembles. By their participation in band, students will also be eligible to participate in Jazz Band, Solo and Ensemble Contest, and other optional groups and performances.

**Course Fee:** None

**Grade:** 9-12

**Credit:** 1 credit

**Length:** 1 year

## Women's Select Choir (MUS621)

**Prerequisite:** AUDITION ONLY; completion of 1 year of Concert Choir.

This course is intended for females who have demonstrated above average to advanced vocal ability. This course explores repertoire written for all-women ensembles, including music from a variety of musical periods and languages (Latin, Italian, German), both sacred and secular. Through the performance of this advanced repertoire students in this course will continue to hone their vocal technique, music literacy, and sight-reading abilities.

**Course Fee:** \$5.00

**Grade:** 10-12

**Credit:** 1 credit

**Length:** 1 year

**Special notes:** Open to grades 10-12 ONLY. Cost- \$5.00 for music purchases. Annual Performances: Fall Classics Concert, Messiah Performance, Solo and Ensemble, Contest/Festival Concert, Spring Pops concert. Private voice instruction is encouraged.

## Concert Choir (MUS623)

**Prerequisite:** None

This course is intended to provide students in grades 9– 12 an opportunity to build strong foundations in vocal music through performance in a large mixed-voice choir. This course challenges students to develop healthy vocal technique, increase music literacy and sight-reading, master concert etiquette, and explore a large variety of choral literature. Literature for this courses ranges from sacred to secular, in English and foreign language (Latin, Italian), including works from the Renaissance Period (15<sup>th</sup> century) through the 21<sup>st</sup> century.

**Course Fee:** \$3.00

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

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Open to grades 10 – 12 (audition only). Cost - \$5.00 for music purchases. Annual performances: Fall Classics Concert, Messiah Performance, Solo and Ensemble, Choral/Festival Concert, Spring Pops Concert. Private voice instruction is encouraged.

## Chamber Choir (MUS625)

**Prerequisite:** AUDITION ONLY; completion of 1 year of Concert Choir or Women's Select Choir.

This course is intended to provide students possessing advanced or outstanding vocal ability with the opportunity to perform challenging and demanding choral repertoire in a small ensemble (16-24 singers). This course demands dedication, leadership, maturity, and the desire to strive for perfection in performance. Literature for this course ranges from sacred to secular, in English and foreign languages (Latin, Italian, German, French and others), and will include works from 15<sup>th</sup> century to the 21<sup>st</sup> century. Additional hours may be required for students in this ensemble **outside** of the school day.

**Course Fee:** \$60-\$120.00

**Grade:** 10-12

*\*Depending on choice by students*

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Approximate cost (depending upon choice by the students) - \$60.00 to \$120.00. Annual performances: Fall Concert, Dinner Theatre, Christmas Concert, Choral Competition, Spring Musical, and Spring Concert which can include up to sixteen weeks of after-school activities

## Beginning Guitar Class (MUS642)

**Prerequisite:** None

This is an introductory level course designed for students who have never played the instrument before.

**Course Fee:** \$20.00

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

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** Some instruments will be available on loan for this course.

## History of Pop Music (MUS640)

**Prerequisite:** None

The phenomenon of 'popular music' (as opposed to art or classical music) is a comparatively recent development in western cultures. This course will cover all forms of American popular music from the late 1890s to present day, including Military Bands, Tin Pan Alley composers, Jazz, Blues, Rhythm & Blues, Country, Rock, and others.

Distinct emphasis will be placed on societal, geopolitical, cultural, and technological developments and their effects on the music of the times, and vice versa.

**Course Fee:** None

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

**Credit:** 1/2 credit

**Length:** 1 semester

## Music Theory I (MUS641)

**Prerequisite:** Permission of Instructor

This course is a study of the 'nuts and bolts' of how music is put together. This course will cover basic notation, concepts of meter, chord progressions, voice leading, compositional form, basic orchestration, and basic compositional technique through the study and imitation of master composers of various musical style periods rhythm, scales, keys, modes, tonality, and chord structure. Also included will be basic piano skills and sight-singing. This rigorous course is designed to prepare perspective college music majors for college level study.

**Course Fee:** None

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

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Prior musical experience including the ability to read music is highly recommended, but not required.

## Survey of Music History(MUS643)

Prerequisite: None

This course is intended for students interested in learning about the history of music in the European tradition. This course will cover biographical information on the most influential composers, their works, and styles from roughly 500 AD to the present day. Through study of these composers, the course will explore the relationship between music and other art forms, including, but not limited to: politics, fashion, architecture, literature, dance, and theater. This course will be divided into periods including: Medieval, Renaissance, Baroque, Classical, Romantic and 20<sup>th</sup> Century.

**Course Fee:** NONE

**Grade:** 9-12

**Credit:** ½ cr.

**Length:** 1 yr.

# SCIENCE

## Physical Science (SCI110)

**Prerequisite:** None

This course is designed to introduce students to the science that deals with the composition, structure, properties, interactions and transformations of matter. Students will experience hands-on science through laboratory investigations and class activities. Physics topics covered will include: motion, force, laws of motion, energy, heat, waves, and electromagnetic radiation. Chemistry topics covered will include: classification of matter, properties of atoms and the periodic table, chemical bonds, chemical equations and nuclear change.

**Course Fee:** \$14.00

**Grade:** 9

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** This course is required for all CHS students except those pre-selected for other science courses.

## Honors Biology (SCI120)

**Prerequisite:** Student must have completed Algebra 1 in the 8<sup>th</sup> grade and have the recommendation of the 8<sup>th</sup> grade science teacher

This course is an advanced level of biology intended for freshmen students who have a particular interest in science. This course is designed to present scientific facts, concepts and principles relating to biology, placing emphasis on laboratory work to allow students to discover science rather than learn only the facts, developing the powers of critical reasoning. Content will include cellular structure, function, reproduction, and energy formation; Mendelian genetics, molecular genetics, biotechnology, evolution, organizing life's diversity, ecology, populations, and biodiversity while emphasizing a variety of themes including scientific inquiry, diversity, energy, homeostasis, and change.

**Course Fee:** \$36.00

**Grade:** 9 & 10

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Students enrolled in Honors Biology are expected to take IPS before they begin chemistry. This course carries a weighted grade.

**Students enrolled in this course will take a state mandated End of Course exam.**

**In order to meet all graduation requirements ALL students in this course must enroll in CHEMISTRY for the 10<sup>th</sup> grade year.**

## Biology (SCI210)

**Prerequisite:** Physical Science.

This course is designed to present scientific facts, concepts and principles relating to biology, placing emphasis on laboratory work to allow students to discover science rather than learn only the facts. Content will include cellular structure, function and reproduction; Mendelian genetics and human heredity; and molecular genetics, evolution, organizing life's diversity, ecology and biodiversity, emphasizing a variety of themes including scientific inquiry, diversity, energy, homeostasis, and change. **Course Fee:** \$36.00 **Grade:** 10, 11, 12 **Credit:** 1 credit

**Length:** 1 Year

**Students enrolled in this course will take a state mandated End of Course exam.**

## Chemistry (SCI310)

**Prerequisite:** Biology and Completion or simultaneous enrollment in Honors Algebra 2 or Algebra 2.

This course is intended to provide the student with a general overall view of the field of chemistry, the study of matter, and its changes. Students will cover the topics of atoms, periodicity, bonding, formula writing, nomenclature, quantities, chemical reactions stoichiometry, phases of matter, water, mixtures, solutions, equilibrium, oxidation-reduction, and acid-base. Special emphasis will be placed on lab work.

**Course Fee:** \$42.00

**Grade:** 10, 11, 12

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** A graphing calculator is recommended. An online homework service is used in this course.

**This course contains an additional period one semester for lab work.**

## Physics (SCI410)

**Prerequisite:** Biology and student must have completed or be in Algebra 2.

This course is intended to give a general view of the topics of physics—the study and measurement of the relationship between matter and energy. Topics will include motion, force, momentum, energy, heat, wave transfer of energy, physical optics, electricity, & nuclear energy.

**Course Fee:** \$41.00

**Grade:** 11 & 12

**Credit:** 1 credit

**Length:** 1 Year

**Special Notes:** A graphing calculator is recommended.

## Physiology 1(SCI300)

**Prerequisite:** Biology or IPS and Honors Biology

This course is intended to introduce the principles of sports medicine to students that have a specific interest in the field of medicine, physical or occupational therapy, and/or athletic training. The course is designed to cover the musculoskeletal body anatomy and injuries common in sports and in young athletes. Concepts and applications emphasize throughout the course will include: anatomy and physiology of muscle and bone, body characteristics and mechanisms of injury, recognizing the signs and symptoms of sports injuries, emergency procedures in sports, taping and orthotics, basic applications of therapeutic modalities, and basics in exercise rehabilitation.

**Course Fee:** \$10.00

**Grade:** 10,11,12

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Students must be available to train during enrollment in this class.

## Physiology 2(SCI400)

**Prerequisite:** Physiology 1

This course is intended to expand on the content from Sports Physiology 1. We will review musculoskeletal anatomy, emphasizing the rehabilitation aspects of athletic injuries of the body. Students will focus on developing an understanding of evaluating injuries using special testing, and forming rehab plans based on principles of tissue healing, pain control, and a deeper understanding of the principles of modalities commonly used in sports medicine.

**Course Fee:** \$10.00

**Grade:** 11 & 12

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Students must be available to train during enrollment in this class.

## Human Anatomy (SCI602)

**Prerequisite:** Physical Science and Biology or IPS and Honors Biology

This course is intended for students interested in the branch of science that provides an extensive and detailed study of the numerous organ systems of humans. This rigorous course explores an introductory understanding of anatomical structures and physiological interactions of human body systems. Students will be working with specific organ dissection and the systematic dissection of a mammal.

**Course Fee:** \$17.00

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 Semester

**Special Notes:** This course is recommended to any student who is planning to take Advanced Placement Biology. A grade of C or better in Biology is strongly recommended.

## Zoology (SCI604)

**Prerequisite:** Physical Science and Biology or IPS and Honors Biology

This course will introduce the student to the Kingdom of animals, from invertebrates to the mammal. Starting with the classification of animals, this class will explore the diversity of each animal phyla, covering unique evolutionary adaptations, comparative anatomy, energy requirements, methods of homeostasis and functions of the body systems.

**Course Fee:** \$12.00

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 Semester

**Special Notes:** This class will have an extensive dissection component.

## Biotechnology (SCI608)

**Prerequisite:** Physical Science and Biology or IPS and Honors Biology.

This course is intended to provide an overview of the basic practices and analysis techniques used in biological sciences. The fundamental objective is to teach the basic processes and principles of scientific thinking and apply them to problem solving. This lab centered program will include modern techniques used by biotechnologists and will develop skills in the use of electronic laboratory instrumentation and record keeping. **Course Fee:** \$12.00 **Grade:** 10, 11 & 12 **Credit:** 1/2 credit **Length:** 1 Semester

## Forensics I (SCI610)

**Prerequisite:** Biology

This course is designed to provide an overview of the basic practices and analysis techniques used in forensic sciences. The fundamental objective is to teach the basic processes and principles of scientific thinking and problem solving. This lab centered program will include the use of modern techniques used by forensic scientists and will develop skills in evidence collection, preservation, analysis, and documentation in a legal scientific notebook.

**Course Fee:** \$12.00

**Grade:** 10-12

**Credit:** 1/2 credit

**Length:** 1 Semester

## Advanced Placement Chemistry (SCI 510)

**Prerequisite:** *B or above in Biology, Chemistry I, and Algebra and recommendation from Chemistry teacher. Must have completed Algebra II.*

Students will cover a curriculum comparable to a freshman level chemistry course. At the conclusion of this course students will have an opportunity to take the AP Chemistry exam. Based on the score of this exam students may be awarded college credits.

**Course Fee:** \$62.00

**Grade:** 11 & 12

**Credit:** 1

**Length:** 1 year

**Special Notes:** A graphing calculator is recommended. An online homework service is used in this course. This class will include an additional "lab" period during the second semester.

## Environmental Science (SCI320)

**Prerequisite:** Biology

This class is an interdisciplinary study, combining ideas and information from geology, environmental sciences and ecology to gain an understanding about different landscapes across the globe. This course is designed to teach environmental, ecological and geological sciences by exploring different locations across the globe and how these sciences interact with one another.

**Course Fee:** \$12.00

**Grade:** 10 & 11

**Credit:** 1 cr.

**Length:** 1 year

**Special Notes:** *This course is for students who would struggle with the content of faster paced science courses. Students may ONLY be placed in this course by their counselor or by their most recent science teacher.*

# SOCIAL STUDIES

## American History (SST100)

**Prerequisite:** None

This course will provide a better understanding of American History from the American West in the 1860s through the Cold War. Topics covered will include: recovering from World War I in the 1920s. The Industrial Revolution, Imperialism, the Great Depression, the New Deal, WWII, the development of the Cold War, the Vietnam Conflict, and key issues and events of the 70's, 80's, 90's and 21<sup>st</sup> century.

**Course Fee:** None

**Grade:** 9

**Credit:** 1 credit

**Length:** 1 year

Special Note: Required for Graduation

**Students enrolled in this course will take a state mandated End of Course exam.**

## World Studies (SST200)

**Prerequisite:** None

This course provides a foundation for a general understanding of contemporary affairs in the world. There will be particular emphasis on the prevailing themes of history: Enlightenment, the Age of Revolution, Industrialization, and Imperialism and conflict between cultures. These themes will be used to encourage students to reflect upon and understand the world around them. Financial Literacy will also be covered in this course.

**Course Fee:** \$5.00

**Grade:** 10

**Credit:** 1/2 credit

**Length:** 1 semester

Special Note: Required for Graduation

## American Government (SST300)

This course is an examination of the foundation and framework of the American governmental system. Content includes a study of the three branches of the government and a look at the rights and responsibilities of American citizens. The primary goal is to get students involved in the political process.

**Course Fee:** None

**Grade:** 11

**Credit:** 1 credit

**Length:** 1 year

**Special Notes:** Required for Graduation

**Students enrolled in this course will take a state mandated End of Course exam.**

## AP Government (SST500)

**Prerequisite:** Permission of instructor

This is a challenging political science course, designed to be equivalent to a freshmen college course of similar content. The basic American system of government will be examined. Topics covered will include political power, democracy, the Constitution, and the Bill of Rights.

**Course Fee:** None

**Grade:** 11

**Credit:** 1 credit

**Length:** 1 year

**Students enrolled in this course must take either the Advanced Placement exam or Ohio's End of Course exam.**

## Psychology 1 (SST600)

**Prerequisite:** None

This course is designed to provide students a survey of psychology that will be personally interesting and useful to individual students. Anyone interested in the human mind and how it works will find this course interesting.

Topics will include I.Q., personality, para-psychology, hypnosis, learning, and conditioning among others.

**Course Fee:** None

**Grade:** 10-12

**Credit:** 1/2 credit

**Length:** 1 Trimester

*10<sup>th</sup> graders wishing to enroll must have approval of the instructor.*

## Psychology 2 (SST602)

**Prerequisite:** Psychology 1

This course examines the make-up and behaviors of the individual by examining human development, the biology of Psychology, nature vs. nurture, perceptions, emotions, and motives, conflicts and our adjustments to them, including the psychological disorders and their possible treatment. This course is primarily intended for the college bound student that would like to become familiarized with the concepts of Psychology before they begin their college studies.

**Course Fee:** None

**Grade:** 12

**Credit:** 1/2 credit

**Length:** 1 Trimester

## Sociology 1 (SST604)

**Prerequisite:** None

Sociology is the social science that studies human society and social behavior. The focus of the course is social interaction, how people relate to one another and influence each other's behavior. This course is strongly recommended for all students who intend to pursue a college or university degree, and also those students who wish to focus on the law or law enforcement, social work, education and medicine. Topics include social change, values, personality development, family function and dysfunction, domestic violence, peer influence, mass media, dating, teenage dating, teen social problems, deviance, crime, suicide, socioeconomic class, poverty, race, violence, religion, economy, politics, science, and communication skills.

**Course Fee:** None

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

## Sociology 2 (SST606)

**Prerequisite:** Sociology 1

A continuation of the study of sociology, this course will continue the study social behavior with much greater depth. This course is intended for the college bound student intending to major in: social science, law, social work, education and health careers.

**Course Fee:** None

**Grade:** 11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

### History Through Film (SST610)

**Prerequisite:** None

This course examines Hollywood feature films and historical dramas as historical evidence. Students view movies on various topics and participate in Inner/outer Socratic seminar discussions, and write essays comparing that film evidence to information in more traditional sources, such as articles, film reviews and critical commentaries.

**Course Fee:** None

**Grade:** 10, 11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

### Civil War History (SST612)

**Prerequisite:** American History A and B

This course is intended to present a background in the causes and effects of the American Civil War, as well as the conflict itself and the social, political, and economic ramifications of the war.

**Course Fee:** None

**Grade:** 10, 11, 12

**Credit:** 1/2 credit

**Length:** 1 semester

### Civil Rights (SST614)

**Prerequisite:** None

This course will reflect the many ways African Americans, Native Americans, Hispanics, Asians, and women have been discriminated, feared, and hated in American society from 1619 through the present. Analyses of Civil Rights leadership, organizations, recruitment, commitment, values, ideology, political culture, gender, and counter movements will be the focus of this class.

**Course Fee:** None

**Grade:** 10, 11 & 12

**Credit:** 1/2 credit

**Length:** 1 semester

**Special Notes:** A laptop or other internet capable device is recommended for this course

### Holocaust Studies (SST616)

**Genocide** is defined as the deliberate killing of a large group of people, especially those of a particular ethnic group or nation. This course will examine the **origins of genocide** and its different forms. As a legal scholar once said, "You have to understand what caused genocide to happen, or it will likely happen again." This course will study the **Nazi** attempt to exterminate the Jews during World War II. This will include **Hitler's rise to power, concentration camps, personal stories and eyewitness accounts**. However, recent events in Eastern Europe & Central Africa will allow the class to examine genocide across regions such as **Rwanda and Darfur**. Students will be introduced to and given the opportunity to debate the following important questions: How should genocide be defined? What are the major theories explaining genocide? Is every case unique or do they demonstrate consistent patterns? Most importantly, our main objective will be to examine the causes of genocide.

**Course Fee:** NONE

**Grade:** 10-12

**Credit:** ½ credit

**Length:** 1 semester

### Contemporary World Issues (SST618)

**Prerequisite:** American History

This course will examine the dynamics and implications of global interactions between nations and people. Components examined will include: society, history, politics, economics, and geography. There will be an emphasis on cause and effect, and implications for the future wellbeing of mankind. Students will learn that they can impact global issues through service learning and projects.

**Course Fee:** NONE

**Grade:** 10-12

**Credit:** ½ credit

**Length:** 1 semester

## Career/Technical Programs

*Fourteen career technical programs are available to Celina High School students through TriStar Career Compact. Below is a description of each. For more information, or to view a video of programs go to the TriStar website at: [www.tristarcareercompact.com](http://www.tristarcareercompact.com)*

**Agricultural Industrial Technology** is a two-year program that trains students to troubleshoot agricultural and industrial power equipment as well as introduces them to the business end of the servicing industry. Students receive forklift training/certification and work on a Commercial Drivers License (CDL). Students also compete against other schools in FFA competitions for prizes and scholarships. Qualifying seniors may participate in a capstone project.

TO PREPARE FOR THIS CLASS: Take other agricultural related classes.

**Auto Technology** is a two-year NATEF/ASE certified program which covers the diagnosis, repair, and maintenance of cars, trucks and other vehicles. Junior students develop skills through hands-on experience with gasoline combustion engines, automotive service and brake work.

Seniors study automotive technology in greater depth including servicing electrical systems, engine performance, suspension and steering and heating and air conditioning.. Qualifying seniors may also participate in early placement during the last nine weeks of the school year.

**Automotive Technology is a STEM program and qualifying students may earn college credit at The University of Northwestern Ohio, or Universal Technical Institute.**

**Credentials: Qualifying seniors are eligible to test for ASE Student Certifications in 5 ASE automotive areas.**

TO PREPARE FOR THIS CLASS: Math, science and communication classes would be very helpful. An industrial technology background and an interest in motors/vehicles is great too.

**Career Based Intervention** (CBI) is a work-study program that provides students with the opportunity to attend core classes at their home school as well as CBI related class and includes the possibility of early release for their CBI work experience. The work experience component offers students the ability to attend school 1/2 day and work 1/2 day and receive credit for both.

CBI students are introduced to the growing needs of the local workforce while attaining critical financial planning skills that they will need for life. Students also get a chance to develop valuable soft skills that they often use in the workforce. Students may enroll in the program as a junior and/or senior.

FOR THIS CLASS: Students must be 16 years of age or older and employable.

**Construction** is a two-year program which covers all aspects of the construction industry including: safety procedures, building codes, practical math, carpentry, interior finishing, framing, roofing, plumbing and heating, electricity, house wiring, concrete work, masonry, use of hand and power tools, techniques of home design and building materials - differences and costs

The first year is spent introducing students to the basic fundamentals of construction.

Senior students gain practical experience applying the skills they have learned by constructing a house, which is sold at auction each spring.

Qualifying seniors may participate in early placement during the last nine weeks of the school year.

TO PREPARE FOR THIS CLASS: A strong background in industrial technology including a drafting class is helpful.

**Early Childhood Education** students study children of various ages and abilities, how they learn, and how to plan appropriate activities. Classwork includes developing and writing lesson plans and learning objectives, developing and making learning games and toys, developing guidance and discipline techniques, providing inclusion for children with special needs, and encouraging play, exploration, and learning. Students utilize the Ohio Early Learning Content Standards and they have the opportunity to observe/work at various job sites to gain practical experience in teaching young children.

Students accepted into the program are required to have a background check, a physical and must be fingerprinted.

**Qualifying seniors may participate in early placement during the last nine weeks of the school year.**

**Qualifying students may earn college credit at Rhodes State College or Edison Community College.**

TO PREPARE FOR THIS CLASS: Early childhood education classes would be helpful. Students should be able to read and write, at the minimum, a 5th grade level.



**Engineering Technology** is a one-year program, which may be taken as a junior or as a senior. Classwork consists of manual sketching, problem solving, and drawing on the Computer Assisted Drafting (CAD) system using AutoCAD-2, Inventor Solid Modeling software and 3-D printers. Students will go from basic to advanced drawing plus get hands-on experience with milling machines, lathes and CNC machines in the Precision Machining classroom. Students will also learn basic welding skills and how to operate a computer controlled plasma cutter in the Welding classroom.

**Engineering Tech is a STEM program. Qualifying students may earn college credit at Rhodes State College and Wright State University - Lake Campus.**

TO PREPARE FOR THIS CLASS: Take three math classes (one must be geometry). Classes in computer literacy and mechanical drawing will also be helpful.

TO SUCCEED IN THIS CLASS: Strong communications skills, creative thinking, basic computer literacy and an interest in art or photography is helpful

**REC Tech** is a two-year program in which students receive a strong background in electronics/electrical systems, mobile and industrial robotics, computer systems and basic networking. Students will learn FANUC robots and the basic of iRVision applications on FANUCs, PLC's (Programmable Logic Controllers), and will learn to program microcontrollers such as: basic stamps, Raspberry PI, PICs and Arduino. Seniors will have the opportunity to build a computer and configure networks.

Students can test for ISCET certification in AC/DC, semiconductors, digital and computer technology and for FANUC industrial robotics and iRVision certifications. REC Tech prepares students to enter a 2 or 4 year postsecondary education program or go directly into the job market. **Qualifying seniors may participate in early placement during the last nine weeks of the school year .**

**REC TECH is a STEM program. Qualifying students may earn college credit at Rhodes State College, and Wright State University - Lake Campus.**

TO PREPARE FOR THIS CLASS: Take Algebra I, a computer applications course and an industrial technology course that includes basic drawing or a CAD course

**Graphic Communication** is a two-year program encompassing a broad variety of techniques and technologies in printing, publishing, packaging, finishing, and digital media, found in today's technology driven and dynamic multibillion-dollar industry.

Building from the foundations of communication, concepts are taken from design to production in a wide variety of real-world scenarios to develop both the technical and creative abilities to become a successful professional. Students will gain experience in graphic design and layout, packaging, digital photography, digital file formats, pre-press operations, printing and digital output, marketing, and finishing and binding.

**Qualifying seniors may participate in early placement during the fourth 9 weeks of the senior year.**

**ANIMAL SCIENCE** is a two-year Ohio College Tech Prep program which provides training in the field of veterinary medicine and the animal industry. Students study animal health, nutrition and behavior, anatomy and physiology, medical terminology, medical conditions and diseases, safety and sanitation, grooming and handling. They learn to assist with physical and clinical exams, hospital and laboratory procedures and minor surgery. The class will also include office or business management skills in maintaining records, inventory, pharmaceuticals and equipment and supplies.

TO PREPARE FOR THIS CLASS: Take math and science classes especially biology plus agricultural related classes.

**WELDING** is a two-year Ohio College Tech Prep program that gives you the technical knowledge and practical skills to enter the field of welding and metal fabrication. During the junior year of the program, students concentrate on safety instruction and MIG and SMAW fundamentals. Seniors tackle out-of-position techniques and more complex concepts of welding. Employability skills are also taught as part of the class.

*Qualifying seniors may participate in the early placement program during the last nine weeks of the school year.*

***Credentials: Qualifying seniors are eligible to take the American Welding Society (AWS) Entry Level Certification Test.***

TO PREPARE FOR THIS CLASS: Previous welding experience from an Industrial Technology class would be helpful.

**MED PREP** is a two-year program in which students gain knowledge and experience in the medical professions through hands-on classroom work and general observation during the junior year, and specific job shadowing during the senior year. Areas of study include anatomy, physiology and pathophysiology, phlebotomy, medical terminology/ abbreviations, human growth and development, first aide, CPR, professional ethics, and use of various types of medical equipment.

Med Prep is a STEM program. **Qualifying students may earn college credit at Rhodes State College, The University of Northwestern Ohio or Wright State University Lake Campus.**

TO PREPARE FOR THIS CLASS: Take Biology I, Math, Algebra I and II, Geometry (required for X-ray) and 1/2 credit of computers.

**PRECISION MACHINING** is a two-year program that provides training in the operation of modern metal working machine tools such as lathes, mills, drills, and grinders, and computer controlled and programmable equipment. It is a STEM program. Students in the precision machining program will have the opportunity to test for certification in the West Central Ohio Manufacturing Consortium.

Qualifying seniors may participate in early placement during the last nine weeks of the school year. **Qualifying students may earn college credit at Rhodes State College.**

TO PREPARE FOR THIS CLASS: Take industrial technology classes (especially in the metals area) and as many math classes as possible.

**IT CYBERSECURITY:** will train students in the fundamentals of computer networking and the use of cybersecurity components to detect, mitigate, and protect against vulnerabilities and attack of information technology systems. Area of study will include information technology, networking, network security, cybersecurity, and cybersecurity defense and reinforcement. This is a fast growing career field with a 74% increase in openings predicted in the next five years. Jobs can be found everywhere computers and devices are in use, including: healthcare companies, corporations, banks, airports, local, state and federal government, businesses and insurance companies. Qualifying seniors may participate in early placement during the last nine weeks of the school year. TO PREPARE FOR THIS CLASS: Start with classes in computer literacy. Additional computer or technology classes, especially Microsoft Office would be helpful.







