

# **CLERMONT NORTHEASTERN HIGH SCHOOL**



## **COURSE SELECTION GUIDE 2018-2019**

## GRADUATION REQUIREMENTS

A minimum of 21 credits is required for graduation for Clermont Northeastern High school. Credits specified by the Clermont Northeastern Board of Education:

<b>English</b>	<b>4.0</b>
<b>Mathematics</b>	<b>4.0</b>
<b>Science</b>	<b>3.0</b>
Physical Science	1.0
(Physical Science or Chemistry)	
Biology	1.0
Science Elective	1.0
(Chemistry, Environmental Science, Anatomy and Physiology, Physics, Forensics, Engineer Your World, Uncovering Science, Zoology, Astronomy, CCP Options)	
<b>Social Studies</b>	<b>3.0</b>
World History	1.0
American History	1.0
US Government	1.0
<b>Fine Arts</b>	<b>1.0</b>
Selected from Art and/or Music.	
<b>Health/Physical Education</b>	<b>1.0</b>
Health	0.5
Physical Ed. (2 semesters)	0.5
<b>Electives</b>	<b>5.0</b>
<b>Total Credits</b>	<b>21.0</b>

*Students who complete two seasons of any sport, cheerleading, or marching band may be exempt from Physical Education courses. This does not include Academic Quiz Team. Students must apply for PE exemption through the guidance office and coaches/advisors must confirm students' participation on designated forms.*

*Students who attend a Great Oaks Career Development Campus are exempt from the Fine Arts requirement, but still must earn 21 credits to graduate.*

*Beginning in the 2015-2016 school year, US Government courses will run for a full year and earn 1.0 credit. Financial literacy requirements will be included in this course.*

## GRADUATION REQUIREMENTS

The state of Ohio established the following graduation requirements to begin with the class of 2018. In addition to earning the required credits:

- All students take end of course exams:
  - Algebra I and Geometry
  - Biology
  - American History and American Government
  - English 9 and 10

Students in Advanced Placement, International Baccalaureate, or dual enrollment courses in physical science, American History or American Government may take assessments aligned to those courses in place of end-of-course exams to avoid double testing.

Students earn 1 – 5 points for each exam, based on their performance:

- 5 – Advanced
- 4 – Accelerated
- 3 – Proficient
- 2 – Basic
- 1 – Limited

Students must earn at least 18 graduation points on end-of-course tests. The student must earn a minimum of 4 points in Math, 4 points in English, 6 points across Science and Social Studies.

Students who earned High School Credit in any of the above courses before July 1, 2014 automatically will receive 3 points per course test toward the total points needed for graduation.

- Students who do not earn the required number of graduation points can still meet the requirements for a diploma if they:
  - Earn a “remediation-free” score on a nationally recognized college admission exam such as ACT or SAT. The state of Ohio will pay for all students to take the exam free of charge in the fall of their Junior year, starting with the class of 2018.
  - Earn a State Board of Education-approved, industry recognized credential or a state-issued license

for practice in a career and achieve a score that demonstrates workforce readiness and employability on a job skills assessment.

## COLLEGE PREPARATORY REQUIREMENTS

**CNE Recommended Minimum College Entrance Requirements:** Four-year public colleges and universities advise that students take, at a minimum, all of the following courses to prepare for college.

Language Arts .....4 credits  
Mathematics (Algebra I, Geometry, Algebra II).....4 credits  
Science (including Chemistry) .....3 credits  
Social Studies .....3 credits  
Global Language.....2-3 credits  
Fine Arts .....1 credit

## GRADING SCALE

Clermont Northeastern uses the following grading scale:

90 – 100 = A  
80 – 89 = B  
70 – 79 = C  
60 – 69 = D  
Below 60 = F

I= Incomplete, Unable to assign grade

P= Pass, no effect on GPA

PEXMPT = Exempt, no effect on GPA

WF= Withdraw failing, no effect on GPA

WP = Withdraw Passing, no effect on GPA

## GRADE POINT AVERAGE & CLASS RANK

Class rank is based on student grade point average (“GPA”). GPA is based upon (1) semester grades for semester-long courses and (2) final grades for year-long courses. At each semester’s conclusion, students are ranked numerically by GPA. The following scale is used to determine a student’s GPA:

A=4.0  
B=3.0  
C=2.0  
D=1.0  
F=0

## WEIGHTED COURSES

Honors A = 4.5	AP and Core Area CCP A = 5.0
B = 3.5	B = 4.0
C = 2.5	C = 3.0
D = 1.5	D = 2.0

Weighted courses add a .5 value to the final average for honors courses and 1.0 for Advanced Placement (AP) and Core Area (Math, Science, Social Studies, English) College Credit Plus (CCP) courses. For example, a student who receives a ‘B’ (3.0) for the final average in an AP or Core Area CCP course would receive an additional weight of 1.0. The final average would be 4.0. A student who receives a ‘B’ (3.0) for the final average in an honors course would receive an additional weight of .5, resulting in a final average of 3.5.

Weighted courses include:

Honors Geometry A & B

Honors Algebra II A & B

Honors Advanced Math

Honors Trigonometry

Honors Biology A & B

Honors English 9 A & B

Honors English 10 A & B

AP Calculus

AP US History

AP Psychology

AP English Literature

AP English Language

AP US Government

AP Probability and Statistics

AP European History

Any College Credit Plus course within the Core Subject Areas (Math, Science, Social Studies, and English). Courses outside the Core Areas will not receive weighting.

## STUDENT COURSE LOAD

The faculty and staff at Clermont Northeastern High School believe that students need to take full advantage of educational opportunities during their high school career. Therefore, all students are required to take a full course load, which involves being enrolled in seven (7) classes for credit every day during grades 9, 10, and 11. Athletes must be scheduled for and pass five (5) credit bearing classes (excluding Physical Education) each quarter to be eligible to participate. If a student fails to pass 5 credits in a quarter, the athlete is ineligible for the entire next quarter. As a reminder, Student Aides do not earn credit toward eligibility or graduation.

## STUDENT SCHEDULE CHANGES

Students are encouraged to select their courses carefully in the spring. Students should read descriptions of courses they select and talk with teachers, counselors, and parents to make informed choices.

Courses may be dropped only during the allotted time period at the beginning of school with parent, teacher, and principal approval. If a course is dropped **after the time allotted, the student will receive a WF (withdraw failing) in the course for the grading period.**

Student changes can be made **without a penalty during the allotted time period** only under the circumstances listed below:

- 1) To add a course to meet credit or course requirements for graduation
- 2) To correct a computer or human error in scheduling
- 3) To repeat a required course which had been failed the previous year
- 4) To make a required course level change when teacher, parent, and the counselor agrees it is in the student's best interest

## TRANSFER OF CREDITS

Credits transferred to Clermont Northeastern from another high school will be examined with respect to meeting current graduation requirements.

## COLLEGE CREDIT PLUS

Ohio lawmakers established the College Credit Plus (CCP) program in 2014. This effectively replaces the program formerly known as Post-Secondary Education Option Program (PSEOP). CCP enables college-ready students in grades 7-12 to take college courses for which they can earn both high school and college credit.

CCP Objectives:

- 1) to help students increase their readiness for and access to college
- 2) to help students decrease the overall cost of their college education
- 3) to help students decrease the time that it takes to earn their college degree.

There are several requirements for program eligibility and students must make a decision on their intent to participate in this program by March

30 of the preceding school year. There is a mandatory meeting that parents and student attend.

Students who participate in College Credit Plus must also satisfy the Clermont Northeastern Graduation requirements. For CCP participants, selecting classes at the college/university is a function of both the classes required by CNE for high school graduation and the classes required by the college/university for the major they plan to pursue after high school graduation. CCP participants must work with their guidance counselor to determine the former and refer to the appropriate sample pathways to determine the latter.

Below are 15 and 30 hour pathways from some of our partnering Institutions of Higher Education.

Southern State  
15-Hour Pathway (Ohio Transfer Module)  
COMM 1115 (3)  
ENGL 1101 (3)  
PSCI 1104 (3)  
PSYC 1110 (3)  
SOC1 1107 (3)

30-Hour Pathway (Ohio Transfer Module)  
Includes the following, in addition to the 15-Hour Pathway:  
CHEM 1151/1161 (5)  
ENGL 1102 (3)  
MATH 1141 (3)  
BIOL 1101 (5) or HIST 1110 (4)

To obtain curriculum guides for the majors offered at **UC Clermont**, please do the following:

- 1.) Go to [www.ucclermont.edu](http://www.ucclermont.edu)
- 2.) Click "Academics" (left-hand sidebar)
- 3.) Select "Associate Degrees" (listed under "Majors & Programs")
- 4.) Choose a major(s) listed under either ***Transition-Oriented Associate Degree Programs*** or ***Career-Oriented Associate Degree Programs***.

The former programs enable students to earn an associate's degree en route to a bachelor's degree. The latter programs enable students to earn an associate's degree en route to the workforce.

- 5.) The overview page for each major includes a link to the major's 'curriculum guide'.

To obtain a curriculum guide for the majors offered at **all 3 UC campuses**, please do the following:

- 1.) Go to [www.uc.edu](http://www.uc.edu)

- 2.) Click “Academics” (banner at top of page).
  - 3.) Select “Undergraduate” (listed under “Majors & Programs”)
  - 4.) Scroll down to “Programs by General Interest.” Click a category and then select a major.
- Note: The overview page for each major includes a link to the major’s ‘curriculum guide’.

Please see the guidance office for more information on CCP. CNE partners with a variety of Institutions of Higher Education including, but not limited to, University of Cincinnati: Clermont College, Chatfield College and Southern State Community College.

### **ADVANCED PLACEMENT PROGRAM**

Advanced Placement (AP) is a program in which high school students can complete college-level curriculum while still in high school. Courses are designed to challenge students, require more work and give students the opportunity for increased academic progress.

In May, students may take the Advanced Placement Examinations. Exams scores are on a 5-point scale:

- 5=extremely qualified
- 4=well-qualified
- 3=qualified
- 2=possibly qualified
- 1=no recommendation

Often, participating colleges may grant placement and course credit for a 3 or higher.

### **HONORS DIPLOMA**

The State Board of Education has specific criteria for awarding the Diploma with Honors.

A student who completes the high school Academic Pathway must meet at least seven of the following criteria:

1. Earn four units of English;
2. Earn at least four units of mathematics which shall include algebra I, algebra II, geometry and another higher level course, or a four-year sequence of courses which contains equivalent content;

3. Earn at least four units of science including one unit of physics and one unit of chemistry;
4. Earn four units of social studies;
5. Earn three units of world languages including at least two units in each language studied
6. Earn one unit of fine arts;
7. Maintain an overall high school grade point average of at least 3.5 on a four-point scale up to the last grading period of the senior year;
8. Obtain a composite score of 27 on the ACT or a combined score of 1210 on the SAT verbal and mathematics sections

The student who completes an intensive Career-Technical Education Pathway must meet at least seven of the following eight criteria:

1. Earn four units of English;
2. Earn at least four units of mathematics which shall include algebra I, algebra II, geometry and another higher level course, or a four-year sequence of courses which contains equivalent content;
3. Earn at least four units of science, including two advanced sciences;
4. Earn four units of social studies;
5. Earn four units in a career-technical education program that leads to an industry-recognized credential, results in an apprenticeship or is part of an articulated career pathway, which can lead to post secondary credit.
6. Achieve the proficiency benchmark established for the Ohio Career-Technical Competency Assessment
7. Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year
8. Obtain a composite score of 27 on the ACT or a combined score of 1210 on the SAT verbal and mathematics sections

## HONOR ROLL

To be placed on the Honor Roll each quarter, a student must be taking five courses or more, and earn the following:

High Honors: All A's

Honors: A's and B's

## HONORS CORDS

Honor cords are at graduation are granted based on the cumulative average calculated through the third quarter of the senior year.

Summa Cum Laude (Gold): 3.85 – 4.0

Magna Cum Laude (Blue): 3.65 – 3.84

Cum Laude (White): 3.50 – 3.64

## AUDITING COURSES

Students will be permitted to audit Band with the permission of the Principal and Instructor. Students who audit the course are expected to maintain attendance and behavior expectations. Students who audit Band will not receive credit towards their graduation requirements or a grade.

## ATHLETIC ELIGIBILITY

Students at CNE must meet eligibility standards set forth by the Ohio High School Athletic Association, in order to participate in athletics.

Athletes must be scheduled for and pass 5 credit bearing classes (excluding PE). This includes any competitive extracurricular activity i.e. Academic Quiz Team. Eligibility is based on quarter grades.

If a student fails to pass 5 courses in a quarter, the athlete is ineligible for the entire next quarter.

## GREAT OAKS PROGRAM INFORMATION

[www.greatoaks.com](http://www.greatoaks.com)

Great Oaks Career Campuses offer career-oriented programs to prepare Juniors and Seniors for skilled employment through teaching specialized job skills and related academic studies. Students from Clermont Northeastern most often attend the Live Oaks Campus in Milford. Additional, specialized programs are offered at other campuses.

Please request the Great Oaks Catalog from your counselor for specific programs and entrance requirements, or visit [greatoaks.com](http://greatoaks.com)

Career Technical students are always considered students of Clermont Northeastern. Career Technical students are eligible to participate in all CNE extracurricular activities.

Students must apply during the second semester of the sophomore year. In order to be eligible for admission, the following credits should be completed:

English	2.0
Math	2.0
World History	1.0
American History	1.0
Health	0.5
Physical Education	0.5
(2 semester courses)	
Science	2.0

## STUDENTS WHO FAIL COURSES

Every effort will be made to have students retake any failed courses. If for some reason the course cannot be retaken the student may have the opportunity to take the class through the school's online credit recovery program. Students who take classes through the school's online credit recovery program may be required to pass a final exam created by the school in order to receive credit.

## AGRICULTURE EDUCATION

Course title	Grade	Length	Credit	Prerequisites
Agriculture, Food, and Natural Resources	9, 10, 11, 12	Year	1.25	None
Animal and Plant Science	9, 10, 11, 12	Year	1.25	None
Livestock Selection, Nutrition, and Management	9, 10, 11, 12	Year	1.25	None
Mechanical Principles	10, 11, 12	Year	1.25	None
Practical Woodworking	9, 10, 11, 12	Semester	0.625	None

### **Agriculture, Food, and Natural Resources**

Prerequisites: None

Grade: 9, 10, 11, 12

Length: 1 year      Credit: 1.25

Agriculture, Food, and Natural Resources will teach students how to work in groups and to develop their leadership abilities through hands on activities. Students will use the opportunities the FFA provide for growth and build upon their interpersonal skills. Students will use the animal science unit to promote proper animal husbandry and production to make sound decisions as a producer and consumer. Students will explain and demonstrate the basics in plant production and harvesting in helping make sound decisions as a consumer and producer.

### **Animal and Plant Science**

Prerequisites: None

Grade: 9, 10, 11, 12

Length: 1 year      Credit: 1.25

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined.

### **Livestock Selection, Nutrition, and Management**

Prerequisites: None

Grade: 9, 10, 11, 12

Length: 1 year      Credit: 1.25

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

### **Mechanical Principles**

Prerequisites: None

Grade: 10, 11, 12

Length: 1 year      Credit: 1.25

Students will engage in the mechanical principles utilized in animal and plant production systems. They will learn electrical theory, design, wiring, hydraulic and pneumatic theory, along with metallurgy in relation to hot and cold metals. Students will apply knowledge of sheet metal fabrication applicable to the agricultural industry along with identify, diagnose, and maintain small air-cooled engines. Throughout the course, students will learn critical components of site and personal safety as well as communication and leadership skills.

### **Practical Woodworking**

Prerequisites: None

Grade: 9, 10, 11, 12

Length: 1 semester      Credit: 0.625

Students will learn and develop basic woodworking skills. They will learn how to use and to operate hand and power tools in a lab. The students will use skills to plan and build wood projects. Students also learn safety rules.

## ART

Course Title	Grade	Length	Credit	Prerequisite
Art I	9, 10, 11, 12	Semester	0.5	None
Art II	9, 10, 11, 12	Semester	0.5	Art I
Art III	10, 11, 12	Semester	0.5	Art I, Art II
Photography	10, 11, 12	Semester	0.5	Art I

### Art I

Prerequisite: None

Grade: 9, 10, 11, 12

Length: Semester      Credit: 0.5

Art I looks into the *'what'* and *'why'* of visual art. Students explore the underlying visual and conceptual connections that drive our current visual culture. Much emphasis is placed on contemporary art, the value of observation, critical thinking, and discussion. Students will reflect on the visual organization of artwork from the past within a wide variety of cultural frameworks to explore how and why they continue to influence what we see today. These reflections will serve as a basis for their own creative work.

### Art II

Prerequisite: Art I, C or higher

Grade: 9, 10, 11, 12

Length: Semester      Credit: 0.5

This course will be a continuation of Art I. Students will be creating a variety of artwork, both 2 dimensional and 3 dimensional. Students will be allowed more freedom in their choice of creations. The entire course centers around art making techniques as they relate to contemporary and historical approaches to studio production. Students are expected to maintain a sketchbook outside of class time and participate in class critiques.

### Art III

Prerequisite: Art I and Art II, C or higher

Grade: 10, 11, 12

Length: Semester      Credit: 0.5

This advanced course will focus on individual concepts and ideas by the student. Students will be creating artwork based on a common theme of his/her choice throughout the semester. A variety of materials will be used during this class. Emphasis is placed on creative ideas and critical thinking as much of this work will be brand new in the student's artistic experience.

### Photography

Prerequisite: Art I, C or higher

Grade: 10, 11, 12

Length: Semester      Credit: 0.5

Photography is a non-darkroom approach to a time honored tradition and a rapidly advancing medium/ profession. This course begins with learning the technical aspects of their camera's functions and controls. We then progress into creative compositional techniques in framing and manipulating the image. The expressive, formal, and technical qualities of professional work are studied. Digital photo manipulation and retouching are taught as part of this course although it is not necessary to own a digital camera. There will be many projects created in the class and much of the production will occur as homework, outside of the class time. **Students need to have a working camera, either digital or film, which has manual control (see instructor if you have questions).** Memory cards and camera cords are expected to be supplied by the student. If using a film camera, the student is expected to pay for development onto a CD (approx. \$4 per roll of film).



## COMPUTER SCIENCE & TECHNOLOGY

Course Title	Grade	Length	Credit	Prerequisite
Computer Science Essentials – Project Lead the Way	9, 10, 11, 12	Year	1.0	none
Microprocessor Programming	10, 11, 12	Semester	0.5	none
Robotics	11, 12	Semester	0.5	teacher recommendation
College Computer Applications (CCP Class through UC Clermont)	11, 12	Semester	1.0	teacher recommendation
College Fundamentals of Info Tech (CCP Class through UC Clermont)	11, 12	Semester	1.0	teacher recommendation
3D Modeling	10, 11, 12	Semester	0.5	Geometry

### **Project Lead the Way**

*CNE High School will begin implementing the Computer Science Pathway in partnership with Project Lead the Way (PLTW) for the 2017-18 school year. PLTW provides students a hands-on engaging curriculum that prepares students for in-demand STEM careers and provides them in-demand job skills such as problem solving, critical and creative thinking, collaboration and communication. Each year new courses will be added that build on previous courses and provide students with a clear, sequential Computer Science Pathway.*

### **Computer Science Essentials – Project Lead the Way**

Prerequisites: none

Grade: 9-12

Length: Year                      Credit: 1.0

In this course students will use visual, block-based programming and seamlessly transition to text-based programming with languages such as Python to create apps and develop websites, and learn how to make computers work together to put their design into practice. They'll apply computational thinking practices, build their vocabulary, and collaborate just as computing professionals do to create products that address topics and problems important to them.

### **Microprocessor Programming**

Prerequisite: none

Grade: 10, 11, 12

Length: Semester                      Credit: 0.5

In the course we will be programming the Arduino Uno electronics platform to build a program system to interact with their environment. This will be accomplished by programming the Arduino to use input and output components to check for a condition and then output a response.

The course is lab based and every student will receive a dedicated Arduino Uno board set of sensors, motors and jumpers. During the first part of the course students will work on similar projects to learn to program and implement specific sensors. The second half of the course will be self-directed. During this portion each student will identify a problem or need design and implement a functional robust system to address the problem or need.

### **Robotics**

Prerequisites: teacher recommendation

Grade: 11, 12

Length: Semester                      Credit: 0.5

This is a beginning course in robotics. The objective of this course is to introduce the student to basic programming as well as problem solving strategies. This course will involve students in the development, building and programming of

various robots. Students will work hands-on individually and in teams to design, build, program and document their progress. Topics may include motor control, gear ratios, torque, friction, sensors, timing, program loops, logic gates, decision-making, timing sequences, propulsion systems and binary number systems. Student designed robots will be programmed to compete in various courses.

### **College Fundamentals of Info Tech (CCP)**

Prerequisites: teacher recommendation

Grade: 11, 12

Length: Semester      Credit: 1.0

This course is an introduction to the field of Information Technology including technology concepts, terminology, hardware components and software applications. Students will be introduced to and asked to apply basic skills in the core areas of information technology such as programming, database management, networking, systems administration, and web development and the basic research, problem solving and decision making skills required to be successful in this field. The course emphasizes the role of technical communication, project management, languages, tools, models and application architectures within the IT development process. Students who successfully complete the course requirements will earn 3 hours of transcribed credit from UC.

### **College Computer Applications (CCP)**

Prerequisites: teacher recommendation

Grade: 11, 12

Length: Semester      Credit: 1.0

This course covers the use of the microcomputer in a professional environment with a focus on the innovative use of this technology. Students will use decision making tools to assist them in their work or personal environment (including assessing the opportunities and potential issues with the use of technology). The course focuses on technology; history of technology; components of the PC; the Internet; application software including spreadsheet, database, presentation, and Web technologies. Ethical issues are discussed. Students who successfully complete the course requirements will earn 3 hours of transcribed credit from UC.

### **3D Modeling**

Prerequisites: Geometry

Grade: 10, 11, 12

Length: Semester      Credit: 0.5

3D Modeling is the design, creation, and production of 3D elements using a variety of design methods. Students will use a CAD/CAM (Computer Aided Drafting/Modeling) application to design, create and test conceptual parts in a 3D environment with the intent to be produced as physical objects. Students must possess a strong background in mathematics, and have successfully completed Geometry in order to participate in the course.

## **ENGLISH**

<b>Course Title</b>	<b>Grade</b>	<b>Length</b>	<b>Credit</b>	<b>Prerequisites</b>
CP English 9 A/B	9	2 Semesters	0.5 for each semester	None
Honors English 9 A/B	9	2 Semesters	0.5 for each semester	Teacher Recommendation
CP English 10 A/B	10	2 Semesters	0.5 for each semester	English 9
Honors English 10 A/B	10	2 Semesters	0.5 for each semester	Teacher Recommendation
CP English 11 A/B	11	2 Semesters	0.5 for each semester	English 9 and 10
CP English 12 A/B	12	2 semesters	0.5 for each semester	English 9, 10, 11
AP English: Language and Composition /Honors English 11/12	11, 12	Year	1.0	English 10 and Teacher Recommendation
Effective Communication A/B	10, 11, 12	Semester	0.5	English 9
Creative Writing I	9, 10, 11, 12	Semester	0.5	None

Creative Writing II	9, 10, 11, 12	Semester	0.5	Creative Writing I and Teacher Recommendation
Young Adult Literature	9, 10, 11, 12	Semester	0.5	None
Literature Through Film	10, 11, 12	Semester	0.5	None
ACT Reading and Writing	11, 12	Semester	0.5	None
AP Literature and Composition /Honors English 11/12	11, 12	Year	1.0	CP English 10 and Teacher Recommendation
Publications: Yearbook and Journalism	10, 11, 12	Year	1.0	Teacher Recommendation, English 9

### **CP English 9 A/B**

Prerequisites: None

Grade: 9

Length: 2 semesters      Credit: 0.5 for each semester

CP English 9 consists of multiple units from the textbook, and a variety of literature will be integrated as supplements to the units. Students will be regularly assessed on their comprehension of all the readings. In addition to reading, students will develop their writing, listening, viewing, and speaking skills to enhance their knowledge and practice of the English language arts. All instructional goals of the lessons and evaluations will be consistent with the benchmarks set forth by the Common Core Standards.

### **Honors English 9 A/B**

Prerequisites:

Grade: 9

Length: 2 semesters      Credit: 0.5 for each semester

Honors English 9 consists of multiple units from the textbook, and a variety of literature will be integrated as supplements to the units. Students will be regularly assessed on their comprehension of all the readings. In addition to reading, students will develop their writing, listening, viewing, and speaking skills to enhance their knowledge and practice of the English language arts. All instructional goals of the lessons and evaluations will be consistent with the benchmarks set forth by the Common Core Standards. Honors English 9 will have additional assignments and move at an accelerated pace.

### **CP English 10 A/B**

Prerequisites: CP English 9

Grade: 10

Length: 2 semesters      Credit: 0.5 for each semester

In CP English 10 Students will follow thematic units throughout the year. Students will be expected to complete assorted writing assignments both inside and outside of class to develop skills of expression. Students will be regularly assessed on their comprehension of all the readings. In addition to reading, students will develop their writing, listening, viewing, and speaking skills to enhance their knowledge and practice of the English language arts. All instructional goals of the lessons and evaluations will be consistent with the benchmarks set forth by the Common Core Standards.

### **Honors English 10 A/B**

Prerequisites:

Grade: 10

Length: 2 semesters      Credit: 0.5 for each semester

In CP English 10 Students will follow thematic units throughout the year. Students will be expected to complete assorted writing assignments both inside and outside of class to develop skills of expression. Students will be regularly assessed on their comprehension of all the readings. In addition to reading, students will develop their writing, listening, viewing, and speaking skills to enhance their knowledge and practice of the English language arts. All instructional goals of the lessons and evaluations will be consistent with the benchmarks set forth by the Common Core Standards. Honors English 10 will have additional assignments and move at an accelerated pace.

### **CP English 11 A/B (American Literature)**

Prerequisites: CP English 10

Grade: 11

Length: 2 semesters      Credit: 0.5 for each semester

Students will follow the Ohio New Learning Standards for English 11 curriculum through various forms of American Literature as well as one work by Shakespeare. College and career exploration and preparation will be part of the course work as well. Students will continue in the exploration of careers and college preparation in this semester. Students will be regularly assessed on their comprehension of all the readings. In addition to reading, students will develop their writing, listening, viewing, and speaking skills to enhance their knowledge and practice of the English language arts. All instructional goals of the lessons and evaluations will be consistent with the benchmarks set forth by the Ohio New Learning Standards.

### **CP English 12 A/B (British and World Literature)**

Prerequisites: CP English 11

Grade: 12

Length: 2 semesters      Credit: 0.5 for each semester

Students will be expected to read a large amount and variety of literature and employ in-depth literary analysis with particular attention to how the structure of a work is used to create meaning. Students will be expected to read out of class both individually and independently and with others during class time. There will also be at least one class novel per quarter, with the exception of 4th quarter when students will choose a book to study independently. Students will be regularly assessed on their comprehension of all the readings. In addition to reading, students will develop their writing, listening, viewing, and speaking skills to enhance their knowledge and practice of the English Language Arts. All instructional goals of the lessons and evaluations will be consistent with the benchmarks set forth by the Ohio New Learning Standards

### **AP English Language and Composition**

Prerequisites: CP English 10 and Instructor Permission

Grades: 11 and 12

Length: Year      Credit: 1.0

This course engages students in becoming skilled readers of prose written for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purpose, audience expectations and subjects as well as how the generic conventions and the resources of language contribute to effectiveness in writing. Much of the class discussion will focus on the author's technique, meaning and expression of philosophical ideas. Students should expect this course to be similar to an introductory college writing course that focuses on exposition, argument, and literary analysis.

\*In the spring, students and parents must decide in writing, whether they wish to take the standardized College Board AP Exam or not. Once students declare their intent to take the exam and pay the required fee, their transcripts will be adjusted to reflect AP English. Students who receive a score of 3, 4, or 5 on the College Board exam will have their fee refunded. Students choosing **not** to take the AP Exam will have their transcripts adjusted to reflect a course title of Honors English 11/12 (respective to their current grade).

### **Effective Communications A/B**

Prerequisites: English 9

Grades: 10, 11, 12

Length: Semester      Credit: 0.5

Effective Communications will explore the history of communications as a field of study, along with interpersonal and mass communications. Throughout the course students will also practice writing and delivering various speeches. This course is highly encouraged for college-bound students.

### **Creative Writing**

Prerequisites: None

Grades: 9, 10, 11, 12

Length: Semester      Credit: 0.5 for the semester

The course allows students to experiment with different forms of writing such as poetry, short stories, plays and screenplays. Elements of these genres will be analyzed and discussed. Students will investigate an author's particular style in depth. The culminating project is a writing portfolio of the student's work.

### **Creative Writing II**

Prerequisites: Creative Writing I and Teacher Recommendation

Grades: 9, 10, 11, 12

Length: Semester      Credit: 0.5 for the semester

This course expands upon introductory skills and techniques learned in Creative Writing I, and challenges students to not only continue creative writing in various forms, but also write with the goal in mind of being published (not required, but highly encouraged). Students will work both independently and in workshop or small group settings to help one another further develop their craft.

### **Young Adult Literature**

Prerequisites: None

Grades: 9-12

Length: Semester      Credit: 0.5

In Young Adult Literature, students will read Young Adult books (literature written for ages 13-18) with an emphasis on current authors. Classes will include reading and writing based on the literature and discussion of common issues and themes young adults face.

### **Literature Through Film**

Prerequisites: None

Grades: 10-12

Length: Semester      Credit: 0.5

In this course students will utilize literary terms to analyze various aspects of films. Story-lines will be deconstructed, camera angles will be critiqued, and cinematic techniques will be evaluated. Films will be analyzed in terms of casting, costume, set design, and soundtrack. This course compare and contrast a variety of texts with the film adaption of the title.

### **ACT Reading and Writing**

Prerequisites: None

Grades: 11, 12

Length: Semester      Credit: 0.5

The ACT Reading and English course will allow students the opportunity to practice active reading, usage, mechanical, rhetorical and writing skills that can be utilized on the Reading, English and Writing portions of the ACT. Students will examine possible ACT passages, questions, and vocabulary. Practice tests will be provided. Students will learn and practice test taking skills along with strategies for taking notes in order to prepare for the ACT and life beyond the ACT.

### **AP Literature and Composition**

Prerequisites: CP English 10, teacher recommendation

Grades: 11, 12

Length: 1 year      Credit: 0.5

This is a rigorous course of study with a focus on the AP Exam. The exam assesses students' skills with careful and critical analysis of imaginative literature. Students will be regularly assessed on their comprehension of all the readings. In addition to reading, students will develop their writing, listening, viewing, and speaking skills to enhance their knowledge and practice of the English language arts. All instructional goals of the lessons and evaluations will be consistent with the benchmarks set forth by the Common Core Standards in addition to the College Board requirements for an AP Literature and Composition Course.

\*In the spring, students and parents must decide in writing, whether they wish to take the standardized College Board AP Exam or not. Once students declare their intent to take the exam and pay the required fee, their transcripts will be adjusted to reflect AP English. Students who receive a score of 3, 4, or 5 on the College Board exam will have their fee refunded.

Students choosing **not** to take the AP Exam will have their transcripts adjusted to reflect a course title of Honors English 11/12 (respective to their current grade).

### **Publications (Yearbook and Journalism)**

**Prerequisites:** Teacher Recommendation, English 9

**Grades:** 10, 11, 12

**Length:** 1 year

**Credit:** 1.0

Publications is a year-long course, and students have an obligation to remain in the course for the entire year. The purpose of this class is to produce the yearbook and other news publications for the school while developing necessary business, computer, organizational, and writing skills. Students will learn publishing software and web-based yearbook software that produces an all color yearbook. Students will understand, practice, and learn skills necessary to successfully design and sell advertising. Students will learn the ethical and legal guidelines in creating the yearbook as well. Students will have responsibilities outside of school such as photographing games/events, meeting with local businesses, and actively participating in fundraising events. All assignments, layouts and responsibilities will be given numerical grades; therefore it is essential that students maintain the duties assigned and mandatory deadlines.

## **MATH**

<b>Course Title</b>	<b>Grade</b>	<b>Length</b>	<b>Credit</b>	<b>Prerequisites</b>
Transition to HS Math	9	2 semesters	0.5 for each semester	Teacher Recommendation
Algebra I A/B	9	2 semesters	0.5 for each semester	None
Geometry A/B	9, 10	2 semesters	0.5 for each semester	Algebra I
Honors Geometry A/B	9, 10	2 semesters	0.5 for each semester	Algebra I, Teacher Recommendation
Algebra II A/B	10, 11	2 semesters	0.5 for each semester	Algebra I, Geometry
Honors Algebra II A/B	10, 11	2 semesters	0.5 for each semester	Algebra I, Geometry, Teacher Recommendation
Honors Advanced Math	11, 12	1 semester	0.5	Algebra II, Teacher Recommendation
Honors Trigonometry	11, 12	1 semester	0.5	Algebra II, Teacher Recommendation
Applied Math	11, 12	1 semester	0.5	Algebra II
Probability and Statistics	11, 12	1 semester	0.5	Algebra II
AP Calculus	12	Year	1	Honors Advanced Math, Honors Trigonometry
ACT Math	11, 12	Semester	0.5	None
Sports Stats	11, 12	Semester	0.5	Algebra II
AP Statistics	11, 12	Year	1	Teacher Recommendation
It's All Academic A/B	9-12	Semester	0.5	None
Math Lab	9-12	2 semesters	0.5 for each semester	None
College Algebra (CCP Class through UC Clermont)	11, 12	Semester	1	Teacher Recommendation
College Trigonometry (CCP Class through UC Clermont)	11, 12	Semester	1	Teacher Recommendation

### **Transition to High School Math**

Prerequisites: Teacher Recommendation

Grade: 9

Length: 2 semesters      Credit: 0.5 for each semester

Transition Math is an introduction to basic algebra concepts and a review of arithmetic algorithms. The course is designed to help students overcome weakness in preparation in mathematics, emphasizing the concepts necessary to be successful in Algebra I, Geometry, and Algebra II. The course helps student to develop good mathematical study skills and learning strategies as an integral part of this course.

### **CP Algebra I A/B**

Prerequisites: None

Grade: 9

Length: 2 semesters      Credit: 0.5 for each semester

Algebra I is a class for most 9<sup>th</sup> grade math students that covers all the standards necessary for preparing for PARCC Assessment. Algebra I will cover the following concepts: Number concepts and computation, properties of number systems, equations, systems, and functions. Algebra I will also cover the following concepts: Inequalities, quadratics, polynomials, rational expressions, intro to trig, and data.

### **CP Geometry A/B**

Prerequisites: Algebra I

Grade: 9, 10

Length: 2 semesters      Credit: 0.5 for each semester

Geometry is for sophomores and some freshmen and continues the study of algebra and geometry and continues preparation for the State Assessment. Geometry will cover the following topics: vocabulary, angle relationships, polygons, triangles, quadrilaterals, circles, and parallel lines and transversals. Geometry will also cover the following topics: similarity and congruence, right triangles, constructions, areas and volumes, and transformations.

### **Honors Geometry A/B**

Prerequisites: Algebra I, and Teacher Recommendation

Grades: 9, 10

Length: 2 semesters      Credit: 0.5 for each semester

This is a course designed for students who are taking the honors level math track including a fifth credit of Calculus. Not only will the class prepare students for the State Assessment but also prepare them for a higher level of math achievement. Honors Geometry will cover the following topics: vocabulary, angle relationships, polygons, triangles, quadrilaterals, circles, and parallel lines and transversals. Honors Geometry will also cover the following topics: similarity and congruence, right triangles, constructions, areas and volumes, and transformations. This course is a weighted course, adding .5 to the weighted GPA.

### **CP Algebra II A/B**

Prerequisites: Algebra I and Geometry

Grade: 10, 11

Length: 2 semesters      Credit: 0.5 for each semester

This course is the continuation of the study of algebra. Algebra 2 will cover the following concepts: real numbers, equations and inequalities, systems, matrices, and polynomials and radical expressions. Algebra 2 will also cover the following concepts: rational expressions, functions and relations, quadratic functions, polynomial functions, and exponential and log functions.

### **Honors Algebra II A/B**

Prerequisites: Algebra I, Honors Geometry, and Teacher Recommendation

Grade: 10, 11

Length: 2 semesters      Credit: 0.5 for each semester

This course is part of the five-credit math program. Honors Algebra 2 will cover the following concepts: real numbers, equations and inequalities, systems, matrices, functions and relations, and polynomials and radical expressions. Honors Algebra 2 will also cover the following concepts: rational expressions, quadratic functions, polynomial functions, sequences and series, trig functions, and exponential and log functions. This course is a weighted course, adding .5 to the weighted GPA.

### **Honors Advanced Math**

Prerequisites: Honors Algebra II, Teacher Recommendation

Grade: 11, 12

Length: Semester      Credit: 0.5

Advanced Math is a review of many important Algebra and Geometry topics that will be carried over into college math classes. Advanced Math will cover the following concepts: functions and graphs, analytic geometry, introduction of calculus concepts, including limits and derivatives, surface area and volume of 3-dimensional figures, and sequences and series. This course is a weighted course, adding .5 to the weighted GPA.

### **Honors Trigonometry**

Prerequisites: Honors Algebra II, Teacher Recommendation

Grade: 11, 12

Length: Semester      Credit: 0.5

Trigonometry is offered to those who wish to continue their study of mathematics. It is the study of advanced topics in math with a heavy emphasis on Trigonometry and Analytical Geometry. Trigonometry will cover the following concepts: trig functions and graphs, radian measure, trig identities and equations, polar coordinates, and conic sections. This course is a weighted course, adding .5 to the weighted GPA.

### **Applied Math**

Prerequisites: Algebra II

Grade: 11, 12

Length: Semester      Credit: 0.5

Applied math is a class for juniors and seniors who need their 4<sup>th</sup> credit of math. It uses topics studied in 9<sup>th</sup> and 10<sup>th</sup> grade math classes and applies them to real life. This class will be more project based. Applied Math will cover the following concepts: areas, surface areas, volumes, building plans, and mapping/street design, linear or quadratic regressions, and more....

### **Probability and Statistics**

Prerequisites: Algebra II

Grade: 11, 12

Length: Semester      Credit: 0.5

Probability and Statistics discusses the ideas behind probabilities and statistics in real life situations. Probability and Statistics will cover the following concepts: basic probabilities, fundamental counting principle, standard deviation, variance, combinations and permutations, expected value, normal distributions, empirical rule, and confidence intervals, hypothesis testing, distributions and distribution testing, and experimental design.

### **AP Calculus**

Prerequisites: Advanced Math and Trigonometry

Grade: 12

Length: Year      Credit: 1.0

AP Calculus is a college level course designed for high achieving math students who plan to continue their math studies. Students will have the option to take the AP exam in early May. There is an \$80.00 fee for the exam that will be reimbursed with a passing score. AP Calculus will cover the following concepts: functions and their graphs, limits and continuity, derivatives, applications of derivatives, integrals, applications of integrals, transcendental functions, and techniques and applications of integration.

### **Sports Stats**

Prerequisites: None

Grade: 11, 12

Length: Semester      Credit: 0.5

Sports Statistics is a class designed for those with a love for sports and numbers. The purpose of the course will be to understand the application of statistical analysis, including advanced sabermetrics, across all major sports with focus on baseball, football, and basketball. In addition, we will learn to use Microsoft Excel for calculation of statistics and analyzing trends graphically over time. Professional sports teams are utilizing advanced statistics to evaluate player and team performance more each day and our goal will be to learn how they are doing it.



**ACT Math**

Prerequisites: None

Grade: 11, 12

Length: Semester      Credit: 0.5

ACT Prep is a junior/ senior level class that discusses the topics that are tested on the national test. ACT Prep will help prepare students who are planning on taking the ACT test. Topics are extensions of Algebra 2, Trigonometry, Advanced Math, Probability and Statistics, and even some Geometry.

**AP Statistics**

Prerequisites: Teacher Recommendation

Grade: 11, 12

Length: Year      Credit: 1

AP Statistics is an introductory college-level treatment of experimental design and observational studies, univariate and bivariate data analysis, probability, and inferential methods of drawing conclusions about populations including hypothesis testing and confidence intervals. Students will be expected to exhibit the characteristics of a responsible learner.

**It's All Academic A**

Prerequisites: None

Grade: 9-12

Length: 1 semester      Credit 0.5

This course is intended for students who enjoy acquiring knowledge in a wide variety of subjects via a wide variety of study methods. All students will learn basic information in ten academic disciplines: Fine Arts, Math, World and American Literature, World and American History, Physical and Life Science, Government, and Geography. Students will also choose a discipline for deeper inquiry either from among the ten academic disciplines listed above or from a topic of their own interest, with approval from the instructor.

Students who take this course will be encouraged to compete on the Academic Quiz Team; however, membership on the team is not required. This course does not replace regular practices for those students who are members of the team. This course is for Elective credit only.

**It's All Academic B**

Prerequisites: None

Grade: 9-12

Length: 1 semester      Credit 0.5

This course is intended for students who enjoy acquiring knowledge in a wide variety of subjects via a wide variety of study methods. All students will learn basic information in ten academic disciplines: Fine Arts, Math, World and American Literature, World and American History, Physical and Life Science, Government, and Geography. Students will also choose a discipline for deeper inquiry either from among the ten academic disciplines listed above or from a topic of their own interest, with approval from the instructor. Students who take this course will be encouraged to compete on the Academic Quiz Team; however, membership on the team is not required. This course does not replace regular practices for those students who are members of the team. Students who took Part A of this series will be responsible for different material in the ten academic disciplines than students who did not take Part A. This course is for Elective credit only.

**Math Lab**

Prerequisites: none

Grade: 9-12

Length: 2 semesters      Credit: 0.5 for each semester

An opportunity for students who struggle to get extra help, as well as re-teaching and pre-teaching of concepts taught in either Algebra I, Geometry, Algebra II, or other math classes. Pass/Fail for Elective Credit.

## College Algebra

Prerequisites: Teacher Recommendation

Grade: 11,12

Length Semester      Credit: 1.0

A CCP Class through UC Clermont. Study of linear, polynomial, rational, exponential, and logarithmic functions, systems of linear equations, systems of inequalities and modeling with functions. Students who successfully pass the course will earn 3 credits of transcripted credits from the University of Cincinnati.

## College Trigonometry

Prerequisites: Teacher Recommendation

Grade: 11,12

Length Semester      Credit: 1.0

A CCP Class through UC Clermont. Preparation for students who need trigonometry for calculus and/or physics. Right triangle trigonometry, trigonometric functions and graphs, trigonometric identities, vectors, conic sections, polar coordinates. Students who successfully pass the course will earn 3 credits of transcripted credits from the University of Cincinnati.

## MUSIC COURSE OFFERINGS

Course Title	Grade	Length	Credit	Prerequisites
Band	9, 10, 11, 12	Year	1.0	None
Music Theory	9, 10, 11, 12	Semester	0.5	None
Bach to Rock	9, 10, 11, 12	Semester	0.5	None
Musical Theatre	9, 10, 11, 12	Semester	0.5	None
History of Rock and Roll	9, 10, 11, 12	Semester	0.5	None
Mixed Chorus A/B	9, 10, 11, 12	2 Semesters	0.5 for each semester	None
Select Chorus A/B	9, 10, 11, 12	2 Semesters	0.5 for each semester	Audition based
Modern Rock Ensemble	9, 10, 11, 12	Semester	0.5	None
Songwriting	9, 10, 11, 12	Semester	0.5	Teacher Recommendation
Music Arranging/Composition	9, 10, 11, 12	Semester	0.5	Teacher Recommendation AND enrollment in Band or Select Choir
Color Guard	9, 10, 11, 12	Semester	0.5	Attendance at Band Camp

## Band

Prerequisites: None, prior experience in music is helpful

Grades: 9, 10, 11, 12

Length: Year      Credit: 1.0

Membership to the CNE Marching Band is open to any student currently enrolled at CNE High School. New band students should notify the director if they wish to join the CNE Band Program. The band is for students who want to be there, and who want to work hard – a positive attitude and excellent attendance are expected of all band members. Attendance at band rehearsals and performances is not optional and will be part of your class grade. All band students must also attend summer band camp. Students who are concerned about work or other commitments should talk to the director before enrolling. Participation is expected of all members at Band Camp, Clermont County Fair Parade, after school practices, football games, additional performances, parades, contests and concerts. See Mr. Moore or the CNE HS Band Handbook for additional information.

### **Music Theory**

Prerequisites: None

Grades: 9, 10, 11, 12

Length: Semester      Credit: 0.5

Music Theory is an elective course where students will learn to read and write music. Students will learn how to write notes in Bass and Treble Clef, read basic notation using letter names and solfege syllables, common time signatures, basic rhythms, writing major and minor scales, interval relationships and transposition. Students will also learn to analyze and compose music. Students will study major and minor chords, harmonic progressions, rhythmic dictation, melodic dictation, and harmonic dictation.

### **Bach to Rock**

Prerequisites: None

Grades: 9, 10, 11, 12

Length: Semester      Credit: 0.5

This course is designed to make students more aware of how music has evolved over the last 400 years. Students will learn music fundamentals and terminology to help them better understand music. Through active participation, discussion, recordings, and video, students will better understand and appreciate musical styles and will develop critical listening skills. Career opportunities in the music field will also be explored.

### **Musical Theatre**

Prerequisites: None

Grades: 9, 10, 11, 12

Length: Semester      Credit: 0.5

Musical Theatre is a music elective class where students will learn about musical theater and Broadway. This course will cover the elements of theatre, backstage workings, and directing/designing musicals. Students will be responsible for keeping a journal of music examples used in class. One of the major projects of this class is to plan and prepare elements for the spring musical. Painting, organizing and creating set pieces and props. Organizing and maintaining lists and cue sheets.

### **History of Rock and Roll**

Prerequisites: None

Grades: 9, 10, 11, 12

Length: Semester      Credit: 0.5

History of Rock and Roll is a music elective class where students will learn about rock and roll music and society. Students will be responsible for keeping a journal of music examples used in class. Students will be presenting material in front of the class regularly

### **Mixed Chorus A/B**

Prerequisites: None

Grades: 9, 10, 11, 12

Length: 2 Semesters      Credit: 0.5 for each semester

Mixed Chorus is a large ensemble in which students sing and perform throughout the school year. A varied repertoire of music representing diverse genres and cultures will be studied and performed. Students learn to respond to the cue of a director. Also students learn to demonstrate technical accuracy, tone quality, articulation and expressions as well as proper posture and breath control that is necessary for the songs performed.

### **Select Chorus A/B**

Prerequisites: Audition-based

Grades: 9, 10, 11, 12

Length: 2 Semesters      Credit: 0.5 for each semester

Select Chorus is an auditioned choir in which students sing and perform a difficult level of music repertoire throughout the school year. This choir is designed for students that have a desire to sing and perform more serious repertoire than in Mixed Chorus. select chorus competes and travels. A thorough knowledge of music theory is developed in this class. Students will perform in 4-8 part harmony and will prepare sight-singing exercises to prepare for Ohio Music Educators Association Large Group contest. Choreography is sometimes involved in the music that is performed. A varied repertoire

of music representing diverse genres and cultures will be studied and performed. Students learn to respond to the cue of a director. Also students learn to demonstrate technical accuracy, tone quality, articulation and expressions as well as proper posture and breath control that is necessary for the songs performed.

### **Modern Rock Ensemble**

Prerequisites: none

Grades: 9, 10, 11, 12

Length: Semester Credit: 0.5

Students learn to perform, improvise and compose individually and collaboratively using the popular styles that they know and love including rock, pop, reggae, hip hop, R & B and other modern styles. Students in Modern Rock Ensemble should have proficiency on an instrument, and will increase their abilities. Beginners are welcome, but should check with Mr. Moore about their playing ability before requesting this class. Instruments in modern band will be guitar, bass, keyboard, drums, vocals, horns. Students will participate in several performances throughout the school year.

### **Songwriting**

Prerequisites: Teacher Recommendation

Grades: 9, 10, 11, 12

Length: Semester Credit: 0.5

This is a class for students who currently play guitar, piano, ukulele, sing, are interested in digital arranging, or other forms of song writing. Students would be responsible for writing songs and performing them in front of an audience for a grade. Elements of music business, music theory, instrumental and vocal techniques. Students must be self motivated and provide their own instruments for class unless other arrangements have been made with the instructor

### **Music Arranging/Composition**

Prerequisites: Teacher recommendation and enrollment in Band or Select Choir

Grades: 9, 10, 11, 12

Length: Semester Credit: 0.5

This course features directed arrangement and composition of larger forms of original writing involving voices and/or instruments. It includes a weekly seminar in composition for the presentation and discussion of work in progress. Students are expected to produce at least one substantive work, performed in public, by the end of the term. Contemporary compositions and major works from 20th-century music literature are studied.

### **Color Guard**

Prerequisites: Attendance at Band camp

Grades: 9, 10, 11, 12

Length: Semester Credit: 0.5

Membership to the CNE Marching Band Color Guard is open to any student currently enrolled at CNE High School. The band is for students who want to be there, and who want to work hard – a positive attitude and excellent attendance are expected of all band members. Attendance at band rehearsals and performances is not optional and will be part of your class grade. All band students must also attend summer band camp. Students who are concerned about work or other commitments should talk to the director before enrolling. Participation is expected of all members at Band Camp, Clermont County Fair Parade, after school practices, football games, additional performances, parades, contests and concerts. See Mr. Moore or the CNE HS Band Handbook for additional information.

## **PHYSICAL EDUCATION AND HEALTH**

<b>Course Title</b>	<b>Grade</b>	<b>Length</b>	<b>Credit</b>	<b>Prerequisites</b>
Physical Education I	9, 10, 11, 12	Semester	0.25	None
Physical Education II	9, 10, 11, 12	Semester	0.25	PE I
Health	9, 10, 11, 12	Semester	0.5	None
Lifetime Fitness	10, 11, 12	Semester	0.5	PE I and II or exemption
Weight Training	10, 11, 12	Semester	0.5	PE I and II or exemption
Team and Individual	10, 11, 12	Semester	0.5	PE I and II or

Sports				exemption
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*Students who complete two seasons of any sport, cheerleading, or marching band may be exempt from Physical Education courses. This does not include Academic Quiz Team. Students must apply for PE exemption through the guidance office and coaches/advisors must confirm students' participation on designated forms.*

### **Physical Education I**

Prerequisites: None

Grades: 9, 10, 11, 12

Length: 1 semester      Credit: 0.25

Students will learn the value of being physically fit and learn to participate in carry-over sports. Activities will be coeducational. Emphasis will be placed upon the development, determination, sportsmanship, skill, attitude, and knowledge. Activities include physical fitness, badminton, volleyball, table tennis, pickle ball, basketball, whiffleball, and scooter hockey.

### **Physical Education II**

Prerequisites: PE I

Grades: 9, 10, 11, 12

Length: 1 semester      Credit: 0.25

Students will learn the value of being physically fit and learn to participate in carry-over sports. Activities will be coeducational. Emphasis will be placed upon the development, determination, sportsmanship, skill, attitude, and knowledge. Activities include physical fitness, badminton, volleyball, table tennis, pickle ball, basketball, whiffle ball, and scooter hockey.

### **Health**

Prerequisites: None

Grades: 9, 10, 11, 12

Length: 1 semester      Credit: 0.5

This course of study contains instructional objectives for grades K-High School in accordance with state law. The health areas of concentration for this course are as follows: nutrition, substance use/abuse, disease prevention/control, safety/injury prevention and control, and wellness.

### **Lifetime Fitness**

Prerequisites: Completion of 2 PE courses, with a "C" or higher; Or obtained PE exemption

Grades: 10, 11, 12

Length: 1 semester      Credit: 0.5

Students will learn the value of being physically fit and learn to participate in carry over sports. Activities will be co-educational. Emphasis will be placed upon development of determination, sportsmanship, skill, attitude, and knowledge. Activities are designed to increase muscular strength, flexibility, and cardiovascular endurance. Many lifetime activities pertaining to lifetime fitness will be used throughout the class. Opportunity is provided for the development of problem solving, self-expression, cooperation, the feeling of belonging, and group consciousness. The value of physical activity and its contribution to a healthful lifestyle is manifested throughout the program.

### **Weight Training**

Prerequisites: Completion of 2 PE courses, with a "C" or higher; Or obtained PE exemption

Grades: 10, 11, 12

Length: 1 semester      Credit: 0.5

Students will learn weight training techniques and the benefits of a strength-training program.

### **Team and Individual Sports**

Prerequisites: Completion of 2 PE courses, with a "C" or higher; Or obtained PE exemption

Grades: 10, 11, 12

Length: Semester      Credit: 0.5

This course is designed for students to participate in lifelong physical activities and will be suitable for maintaining a health enhancing level of fitness. The performance standard for these activities is the development of the skills needed to

engage in the game/sport/or task successfully. The skills required may not include all possible skills related to the game, rather those necessary for full participation within the standard rules of the game. In addition, students should show their ability to play strategically, to play in accordance with the most important rules, and to play so that all involved have a positive experience. The activities will include both individual and team sports.

## SCIENCE

Course Title	Grade	Length	Credit	Prerequisites
CP Physical Science A/B	9	2 semesters	0.5 for each semester	None
Honors Biology A/B	9, 10	2 semesters	0.5 for each semester	Teacher Recommendation
CP Biology A/B	10	2 semesters	0.5 for each semester	None
CP Chemistry A/B	11, 12	2 semesters	0.5 for each semester	C or higher in Biology and Algebra I
CP Physics	11, 12	1 year	1.0	C or higher in Algebra II and Chemistry
Environmental Science A/B	11, 12	2 semesters	0.5 for each semester	Biology
CP Anatomy and Physiology A/B	11, 12	2 semesters	0.5 for each semester	Biology
Fundamentals of Astronomy	10, 11, 12	Semester	0.5	Algebra I and Geophysical Science
Zoology	11, 12	Semester	0.5	Biology
Uncovering Science	10, 11, 12	Semester	0.5	Geophysical Science
Forensic Science	11, 12	Semester	0.5	none
Engineer Your World (STEM)	10,11,12	1 year	1.0	Algebra I, Geophysical Science or Biology
College Anatomy and Physiology I (CCP)	11, 12	1 year	1.0	Biology, Teacher Recommendation
College Biology I (CCP)	11, 12	1 year	1.0	Biology, Teacher Recommendation

### CP Physical Science A/B

Prerequisites: None

Grade: 9

Length: 2 semesters      Credit: 0.5 for each semester

Geophysical Science is a survey of three major fields of scientific knowledge: Chemistry, Physical Science, and Space Science. While covering these themes, we will also learn about proper methods of experimentation, safe practices in the lab, and strengthening logical reasoning skills.

### Honors Biology A/B

Prerequisites: None

Grade: 9, 10

Length: 2 semester      Credit: 0.5 for each semester

In Biology, students will explore the field of molecular biology: this includes scientific methodology, biochemistry, characteristics of life, cell structure and function, energy production in the cell, cell division, DNA structure composition and basic genetics. Additionally, students will explore history of life on Earth, evolutionary theory, classification of organisms, population genetics, interspecies and intraspecies relationships, ecosystem dynamics, and biome trends and characteristics. Honors Biology will have additional assignments and move at an accelerated pace.

### **CP Biology A/B**

Prerequisites: None

Grade: 10

Length: 2 semester      Credit: 0.5 for each semester

In Biology, students will explore the field of molecular biology: this includes scientific methodology, biochemistry, characteristics of life, cell structure and function, energy production in the cell, cell division, DNA structure composition and basic genetics. Additionally, students will explore history of life on Earth, evolutionary theory, classification of organisms, population genetics, interspecies and intraspecies relationships, ecosystem dynamics, and biome trends and characteristics.

### **CP Chemistry A/B**

Prerequisites: "C" or higher in Biology and Algebra I

Grade: 11, 12

Length: 2 semesters      Credit: 0.5 for each semester

Chemistry is the study of matter and the changes that matter undergoes, with emphasis on the composition of matter, atomic theory, periodic law, chemical bonding, formula, writing, and stoichiometry. Time permitting Nuclear Chemistry and/or other topics. Chemistry is recommended for college bound students.

### **CP Physics**

Prerequisites: "C" or higher in Algebra II and Chemistry

Grade: 11, 12

Length: 1 year      Credit: 1.0

Physics deals with matter and energy and their transformation, with emphasis on understanding the basic principles of measurements, forces and motion, mechanics, and wave motion. Time permitting Nuclear Physics and/or other topics. Sections must be taken consecutively.

### **Environmental Science A/B**

Prerequisites: Biology

Grade: 11, 12

Length: 2 semesters      Credit: 0.5 for each semester

Environmental Science is designed to look at the physical concepts of Earth's environments. Based on physical sciences, this course will cover topics such as management of Earth's systems, atmospheric affects on Earth's surface, meteorology, Earth geologic history, Earth's composition and structure, geological impact on the environment, and human role on the environment. Additionally, students explore ecological concepts of Earth's environments. Based on life sciences, this course will cover topics such as biodiversity, ecosystem dynamics, interdependence of organisms, population dynamics, biogeochemical cycles, pollution and waste management.

### **CP Anatomy and Physiology A/B**

Prerequisites: Biology

Grade: 11, 12

Length: 2 semesters      Credit: 0.5 for each semester

Students will explore many different systems of the human body. The units to be covered include but not limited to:

Levels of organization, skeletal system, muscular system, the cardiovascular system and the digestive system.

Additionally, students explore humans as living organisms. Units to be covered will include but not limited to: Transport, the nervous system, the lymphatic system, the endocrine system, and the heart.

### **Fundamentals of Astronomy**

Prerequisites: Algebra I and Geophysical Science

Grade: 10-12

Length: Semester      Credit: 0.5

Take a voyage starting on Spaceship Earth, traveling out through the planets and other bodies in our solar system, and ending up light years away. This course will require students to participate in several night viewings, journaling exercises, and long-term investigation studies. A final project will be required for this course.

### **Zoology**

Prerequisites: Biology

Grade: 11, 12

Length: Semester

Credit: 0.5

All beasts, great and small, are the focus of this introduction to zoology course. Beginning with simple creatures such as sea sponges and jellyfish, we climb the evolutionary ladder through the first animals to venture out of the oceans and eventually reaching the biodiversity of animals we find today. Part of this course will include long-term projects, inquiry-based lab exercises, and research projects. This course will require dissections.

### **Uncovering Science**

Prerequisites: Geophysical Science

Grade: 10, 11, 12

Length: Semester

Credit: 0.5

This course is a follow-up to freshmen science. Examine everyday objects such as cars, planes, household products, photocopiers, skyscrapers, boats, and bridges and discover the science hiding within things you see every day! This course will require research projects, inquiry-based lab exercises, and group and individual projects.

### **Engineer Your World (STEM)**

Prerequisites: Algebra I and Geophysical Science or Biology

Grade: 10, 11, 12

Length: 1 year

Credit: 1.0

Developed by a team of University of Texas faculty and NASA engineers, Engineer Your World engages students in authentic engineering practices in a project-based environment. Students complete a series of socially relevant design challenges to develop engineering design skills and habits of mind. Anticipated projects include: Designing pinhole cameras for special needs customers, creating and testing “earthquake proof” building models, introductory computer coding, basic circuitry, and aerial imaging.

### **Forensic Science**

Prerequisites: none

Grade: 11, 12

Length: Semester

Credit: 0.5

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. It has become a comprehensive subject incorporating Biology, Chemistry, Physics, Entomology, Earth Science, Anatomy and Physiology as well as other aspects of Science. Major topics include processing a crime scene, collecting and preserving evidence, identifying types of physical evidence, organic and inorganic analysis of evidence, hair, fibers, and paint, toxicology, arson and explosion investigations, serology, DNA, fingerprints, firearms, and document analysis. virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions.

### **College Biology I (CCP)**

Prerequisites: Biology, Teacher Recommendation

Grade: 11, 12

Length: 1 year

Credit: 1.0

This course is designed for Biology majors and students whose programs require a majors' level course in biology. This course introduces the fundamental characteristics of life, from the molecular to the cellular level, with an emphasis on structure-function relationships and placed in an evolutionary context. Topics covered include: chemicals of life, cell biology, bioenergetics, cell cycle, genetics, DNA replication, protein synthesis, and gene regulation. Students who successfully complete the course requirements will earn 3 hours of transcribed credit from UC.

### **College Anatomy and Physiology (CCP)**

Prerequisites: Biology, Teacher Recommendation

Grade: 11, 12

Length: 1 year

Credit: 1.0

This is the first course in a two-semester sequence designed to provide in-depth examination of the structure and functions of the human body. This course will cover the basic biochemistry and cell physiology upon which the study of human



physiology will be based. It also covers the structure and functions of human tissues, and the Integumentary, Skeletal, Muscular, Nervous, Special Sensory, and Endocrine Systems. Includes a required laboratory. Does not count toward biology major. Students who successfully complete the course requirements will earn 3 hours of transcribed credit from UC.

## SOCIAL STUDIES

Course Title	Grade	Length	Credit	Prerequisites
World History A/B	9	2 semesters	0.5 for each semester	None
American History A/B	10	2 semesters	0.5 for each semester	World History
US Government	11	Year	1	World History, American History
Current Issues	11, 12	Semester	0.5	World History, American History
AP US History	10, 11, 12	Year	1.0	World History, American History and Teacher Recommendation
World Geography	9-12	Semester	0.5	none
Mock Trial	11, 12	Year	1.0	Teacher Recommendation
Pre 1500 World History	9 – 12	Semester	0.5	none
Military History	10, 11, 12	Semester	0.5	World History
History Through Film	11, 12	Semester	0.5	World History, American History, parent permission for Rated “R” movies
Economics and Financial Literacy	11, 12	Semester	0.5	None

### CP World History A/B

Prerequisites: None

Grade: 9

Length: 2 semesters      Credit: 0.5 for each semester

CP World History topics will include the Enlightenment and Revolution, the Industrial Revolution, Imperialism, and World War I. During the 2<sup>nd</sup> semester of World History, topics will include the Russian Revolution, Rise of Totalitarian leaders, World War II, the Cold War, and the Post-Cold War Era.

### CP American History A/B

Prerequisites: World History

Grade: 10

Length: 2 semesters      Credit: 0.5 for each semester

CP American History will deal with American history from 1877 through the Modern Age. Within the year, students will review historic events, and expand on them by analyzing and explaining the impact or reasons the events made history.

### Government

Prerequisites: None

Grade: 11

Length: Year      Credit: 1

Students will study the structures, purposes, and processes of political systems at the local, state, national, and international levels. The role of democracy and the US Constitution will be examined. The rights and responsibilities of American citizens will be studied with an emphasis on the role of individual participation. Students will also learn about economics and meet their financial literacy requirement through this course.

### **Current Issues**

Prerequisites: World History, American History

Grade: 11, 12

Length: 1 semester      Credit: 0.5

Current Issues is designed to study the major events that have affected the world in recent years. This course is devoted to studying the historical origins and development of political and social problems that confront contemporary humanity. Topics covered include terrorism, regional studies, environmental issues, sustainable development and global economic development, and other world issues with emphasis on recent conflicts and current events.

### **Advanced Placement US History**

Prerequisites: World History and Teacher Recommendation

Grade: 10, 11, 12

Length: 1 year      Credit: 1.0

Students will be engaged in a variety of different education techniques, such as evaluation of historical concepts, analysis of historical documents, development of document based questions, and a thorough analysis of American historical events including social, cultural, economic, and political aspects. The objective of this course is for students to develop higher order thinking, writing, and participation skills and to help successfully prepare students for the Advanced Placement United States History exam in May. This course is a weighted course, adding 1.0 to the weighted GPA.

### **World Geography**

Prerequisites: none

Grade: 9-12

Length: Semester      Credit: 0.5

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

### **Mock Trial**

Prerequisites: Teacher Recommendation

Grade: 11, 12

Length: 1 year      Credit: 1.0

Experience the excitement and reward of arguing, and perhaps winning your client's case in court. Mock Trial is designed for students who are interested in learning practical techniques for shaping the evidence, using the law, and exploiting the courtroom to create a coherent and convincing case theory. By the end of the course, students will have learned to prepare witnesses, deliver convincing direct examinations, effectively cross-examine witnesses, raise and overcome evidentiary objections, and select the strongest facts to persuasively present to the judge and jury. While classes will include explanatory lectures, the emphasis will be on learning through student exercises and by students observing and analyzing the performances of others. This hands-on course will culminate in two civil mock trials where students will act as an attorney in one of the cases and as a witness or juror in the other.

### **Pre-1500 World History**

Prerequisites: none

Grade: 9-12

Length: Semester      Credit: 0.5

This course examines World Studies from the period of 750 B.C. to 1500 A.D. Students will begin with an exploration of the world of antiquity continuing through to what is considered the modern age. This is an integrated study of World History, beginning in Ancient Greece and ending with an examination of global exploration. Students will be able illustrate how historic events are shaped by geographic, social, cultural, economic and political factors over space and time. Students will also develop their understanding of how ideas and events from the past have shaped our world today.

### **Military History**

Prerequisites: World History

Grade: 10, 11, 12

Length: Semester      Credit: 0.5

Examine the role of the military and conflict on both the ancient and modern world. Students will research and analyze the strategic, technological, cultural, and political influence of warfare on human history and the development of civilizations

from Ancient Greece to the war in Afghanistan. Additionally, this course will debate the many reasons why Military History is the most common theme of modern popular history.

### **History Through Film**

Prerequisites: World History, American History, parent permission for rated “R” movies

Grade: 11, 12

Length: Semester      Credit: 0.5

This class will be exploring social studies through film. All of these films will be touching on important concepts such as war, genocide, and revolution. Movies, along with our hands-on activities such as reading, in-class discussion groups, trials, debates, simulations, and guest speakers give students a well-rounded opportunity to discover the world of social sciences. Movies go beyond dry facts and help bring events “alive.”

### **Economics and Financial Literacy**

Prerequisites: none

Grade: 11, 12

Length: Semester      Credit: 0.5

This course explores the fundamentals that guide individuals and nations as they make choices about how to use limited resources to satisfy their wants. More specifically, it examines the ability of individuals to use knowledge and skills to manage limited financial resources effectively for a lifetime of financial security.

## **WORLD LANGUAGE**

<b>Course Title</b>	<b>Grade</b>	<b>Length</b>	<b>Credit</b>	<b>Prerequisites</b>
Spanish I A/B	9, 10, 11, 12	2 Semesters	0.5 for each semester	None
Spanish II A/B	9, 10, 11, 12	2 Semesters	0.5 for each semester	Spanish I, C or higher
Spanish III A/B	10, 11, 12	2 Semesters	0.5 for each semester	Spanish II, C or Higher
Spanish IV A/B	11, 12	2 Semesters	0.5 for each semester	Spanish III, C or Higher

### **Spanish I A/B**

Prerequisites: None

Grades: 9, 10, 11, 12

Length: 2 Semesters      Credit: 0.5 for each semester

Spanish I is an introduction to Spanish geared to learners with no prior language experience. The course will cover learning how to talk about yourself, family and friends, preferences, what you have to or are planning to do, basic Spanish grammar (such present tense verb conjugation, adjective agreement), and basic vocabulary such as date, time, weather, clothing, food, school, sports, activities, emotions, descriptions, etc.

### **Spanish II A/B**

Prerequisites: Spanish I, C or higher

Grades: 9, 10, 11, 12

Length: 2 semesters      Credit: 0.5 for each semester

Spanish 2 is a continuation of Spanish 1. Students will add to knowledge and skills gained in Spanish 1 and increase their fluency in communication. Spanish 2 students will learn how to talk about events in the past and on-going events, give commands, use reflexive verbs, ask for directions, order in a restaurant, tell stories, shop and haggle in a marketplace; use numbers 1-1,000,000, etc. Emphasis on learning decoding skills in reading and language connection.

### **Spanish III A/B**

Prerequisites: Spanish II, C or higher

Grades: 10, 11, 12

Length: 2 semesters      Credit: 0.5 for each semester

Spanish 3 will complete the grammar/verb conjugation instruction from Spanish 1 and 2. Students will increase the vocabulary knowledge and communication skills acquired in previous levels. Spanish 3 will cover: present and past

subjunctive tenses; imperative tense; future tense; conditional tense; all perfect tenses, use of direct and indirect object pronouns, por vs. para; giving advice; traveling; and a vocabulary on a variety of topics.

### **Spanish IV A/B**

Prerequisites: Spanish III, C or Higher

Grades: 11, 12

Length: 2 semesters      Credit: 0.5 for each semester

Students will refine the skills they have acquired in previous classes in order to explore current events and to increase their abilities in Spanish reading and listening comprehension, speaking, and writing. Spanish 4 is an independent study course, usually held at the same time as another level class. Topics for Spanish 4 will be chosen jointly by the instructor and student, but may include novels, short stories, poetry, film, history, mythology, art or popular culture as well as career-centered vocabulary, depending on the future plans and interests of the student.