# Clyde High School
# Course Description Book


# 2018 - 2019

**COURSE REGISTRATION……. A SERIOUS RESPONSIBILITY**

Class registration is a serious responsibility. The required subjects are designed to provide basic learning needed by all citizens in our present day society. The elective subjects you choose are a part of your overall plan to prepare yourself for adult living. It is important that you consider your individual abilities, interests, and goals when choosing your subjects.

**HELPFUL HINTS TO WISE REGISTRATION**

Several people will be helpful to you when registering for classes. First, involve your **PARENTS** and keep them continuously informed throughout your planning during high school. Talk to your **TEACHERS** . . .they will be frank with you about your strengths, weaknesses, and needs with respect to your work in their subject area. Your **COUNSELORS**, aided by your past records, will have a complete picture of you as a student. They will not dictate a course of study to you, but will encourage your choice of subjects which best meet your individual needs.

**POINTS TO REMEMBER**

After you have tentatively chosen your course of study, ask yourself if you have considered the following:

1. Your previous school record
2. Your special abilities and interests
3. Your future plans

**HOW MANY CLASSES SHOULD YOU TAKE?**

Clyde High School has seven class periods of 46 minutes each. All Clyde High School students must take at least six classes each semester. Many students choose to be in classes all seven periods.

**GRADUATION REQUIREMENTS**

Clyde High School graduation requirements meet the standards set by the Ohio Department of Education and the Clyde-Green Springs Board of Education. The following specific requirements must be met:

| Subject Area | Credits Required |
|---|---|
| English Language Arts | 4 credits |
| Health | ½ credit |
| Mathematics | 4 credits |
| Physical Education | ½ credit |
| Science | 3 credits |
| Social Studies | 3 credits |
| Fine Arts, Foreign Language, Computer Tech, Business, Career-Technical or any combination | 1 credits |
| Electives | 5 credits |
| Other requirements to be completed anytime during Grades 7-12 are Economics/Financial Literacy and Fine Arts | |
| **Total credits** | **22 credits** |

(A) Students must complete English I, II, & III, and an additional credit of Language Arts (English IV, Journalism, or English Applications)

(B) Students are required to take 1 semester of Physical Education in both the 9th and 10th grade, or PF Opt Out.
(C) Mathematics credits must include 1 credit of Algebra II or the equivalent of Algebra II.
(D) Science credits must include 1 credit of Physical Science, 1 credit of Life Science and 1 credit advanced study in one or more of the following sciences: Chemistry, Physics or other Physical Science, Advanced Biology, or Life Science.
(E) Social Studies credits must include 1 credit of American History, 1 credit of World History and 1 credit of American Government/Economics.
(F) Students must complete 1 credit which may include Fine Arts, Foreign Language, Computer Technology, or a Business course of any combination.
(G) Electives credits must include one or any combination of Foreign Language, Fine Arts, Business, Career-Technical Education, Family and Consumer Sciences, Technology, Agricultural Education or English Language Arts, Mathematics, Science or Social Studies courses not otherwise required.
(H) All students must receive instruction in Economics/Financial Literacy during grades 9 – 12 and must complete at least two semesters of Fine Arts instruction taken any time in grades 7 – 12.

**GRADUATION PATHWAYS**

Students must meet at least one of the following pathways required by the state of Ohio for graduation:

*OHIO'S STATE TESTS*

Earn at least 18 points on seven end-of-course state tests.
End-of-course tests are:

- Algebra I or Integrated Math I
- Geometry or Integrated Math II
- American Government
- American History
- English I
- English II
- Biology

Each test score earns you up to five graduation points. You must have a minimum of four points in math, four points in English and six points across science and social studies. Your school and district receive grades on the Ohio School Report Cards for all students' scores and participation on state tests.

**- OR -**

*INDUSTRY CREDENTIAL AND WORKFORCE READINESS*

Earn a minimum of 12 points by receiving a State Board of Education-approved, industry-recognized credential or group of credentials in a single career field and earn a 13 on WorkKeys, a work-readiness test. The state of Ohio will pay one time for you to take the WorkKeys test.

**- OR -**

*COLLEGE AND CAREER READINESS TESTS*

Earn the "remediation-free" scores* on either:

| ACT | SAT |
|---|---|
| English – 18 or higher | Writing – 430 or higher |
| Mathematics – 22 or higher | Mathematics – 520 or higher |
| Reading – 22 or higher | Reading – 450 or higher |

Your district will choose either the ACT or SAT for all students in your district to take for free during a one-time statewide spring test in grade 11.
*Ohio's university presidents set these scores, which are subject to change.

**VANGUARD CAREER CENTER/TECH CENTER**

Vocational education is offered to CHS students through Vanguard Career Center in Fremont. Vanguard is a joint vocational center serving students from area school districts. Students from Clyde attending Vanguard officially remain students at Clyde High School and, as such, have the same rights and privileges regarding school activities as any other Clyde student, except the activities, which meet during the Vanguard classes. Clyde-Vanguard students graduate from Clyde High School.

Round-trip bus transportation is provided between Clyde High School and Vanguard each morning and afternoon. Students wishing to travel by private car may do so, while those enrolled in cooperative programs MUST provide their own transportation to and from their workstation. Students who spend half days at Vanguard and half days at Clyde High School may provide their own transportation or ride a midday bus. Vanguard offers two-year vocational programs for the junior and senior year. Occasionally, freshmen and sophomores are accepted into special programs or under special circumstances with prior approval of the Clyde High School principal.

Application for admittance to programs is made during the school year prior to admission. Printed information, tours, and counseling are available through the CHS guidance office.

In order to graduate from Clyde High School and receive vocational certification, Vanguard students must pass both their vocational program and the academic courses required for graduation.

**O-2 OPTION**

The O-2 option is a scheduling arrangement for vocational and academic subjects that allow students to take a vocational training lab at Vanguard during their junior and senior years while taking academic classes at CHS. The arrangement is particularly beneficial to students who desire to study a vocational field while strengthening their academic preparation for later entrance into a two-year or a four-year college. Students interested in the O-2 option should see a counselor to review the various options available in this program.

**EDUCATIONAL OPTIONS**

Students who need make-up courses that cannot be scheduled at Clyde High School may take courses in summer school, VLA, or by tutoring. Students can take courses at area colleges for college credit and high school credit. Students interested in an educational option should contact a counselor for guidance regarding eligibility and approval.

**COLLEGE CREDIT PLUS**

Clyde High School will offer the following College Credit Plus courses at CLYDE HIGH SCHOOL for next year:

ENG 1050– Terra College Composition I
ENG 1060– Terra College Composition II
MTH 2010- Terra Statistics/4 credits (Probability and Statistics)
HIS 1010– Terra Western Civilization I (Western Civilization I)
HIS 1020– Terra Western Civilization II (Western Civilization II)
GOV 207– Owens Contemporary Global Issues
PSY 1210– Terra General Psychology (Psychology)
SOC 2010– Terra Fundamentals of Sociology (Sociology)
PHY 1070– Terra Survey of Physics (Physics)
AGR 2000– Terra Agronomy and Soil Science (Agronomy)
AGR 1030– Terra Intermediate Agribusiness Management (Ag Business Management)

**PREPARATION FOR FOUR-YEAR COLLEGE**

Although colleges vary in their entrance requirements, a specific group of subjects is known as core-college preparatory: English, mathematics, science, social studies, and foreign language.

Generally speaking, the following are recommended for college:

- Four credits of English
- Four credits of mathematics (including Algebra I, Geometry, and Algebra II)
- Three Credits of science (including at least one lab class – Chemistry, Physics, and Anatomy are lab classes)
- Three credits of social studies
- One credit of visual and/or performing arts (band, choir, or art)
- Two credits of a single foreign language
- One additional credit of study in any of the above areas

It must be noted that the preceding suggested preparations for college are MINIMUMS. Some 4-year colleges with a selective admissions process have a higher level of requirements. The requirements may also be greater for students entering specific vocational fields. The better a student is prepared for college; the greater is his or her chance of academic success, whatever the admissions requirements.

**COURSE FEES AND WORKBOOK COSTS**
Course fees are for consumable materials required for a class, such as wood and varnish for Wood Technology, clay and paint for Art, portfolios for English, and frogs for Science. Workbook costs are for workbooks used by students in certain classes. They cannot be reused. Course fees will be listed with each course description.

# COURSE LISTING BY DEPARTMENT

# 1. AGRICULTURE

## AGRICULTURAL LIFE SCIENCES

Credit: 1.0 Length: all year Grades: 9, 10
Pre-requisites: 11 & 12 grade students must have the instructor's permission
AGRICULTURAL LIFE SCIENCES, the first course in the career field, is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science and management, plant and horticultural science, power technology and bioscience. Students will examine the FFA organization and Supervised Agricultural Experience programs. Throughout the course, students will develop communication, leadership and business skills essential to the agriculture industry.

Student Evaluation: Students will be evaluated on weekly activities that emphasize the specific lessons taught throughout the week. Application style questions are part of the course and students are required to keep a notebook which can be used as a resource on all activities and exams. FFA involvement is encouraged and participation points are counted as extra credit. Home projects are a component of the program and will be evaluated each semester. Students will take a web exam when course content is complete.
Fees: All students one-time fee of $20.00 for FFA dues includes Local, State and National. A lab fee to cover expenses of the hydroponics lab and the seed starts, the cost of metal, hardware, welding supplies, safety apparel, gas products, and consumable supplies like wire, fittings and solder.

## AGRICULTURAL MECHANICAL PRINCIPLES

Credit: 1.25 Length: all year Grades: 11, 12
Pre-requisites: Physical Sciences in Agriculture or must have instructor's permission

AGRICULTURAL MECHANICAL PRINCIPLES will engage students 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.

Student Evaluation: Students will be evaluated on weekly activities that emphasize the specific lessons taught throughout the week. Students are required to keep a notebook and can use this resource on all activities and exams. Students will be evaluated on their ability to work safely in a technical environment and on their ability to clean their work stations. FFA involvement is encouraged and participation points are counted as extra credit. Home projects are a component of the agriculture program and will be evaluated each semester. Students will also be evaluated on the completion of their shop skills project and their final projects. Students will take a web exam when course content is complete.
Fees: All students one-time fee of $20.00 for FFA dues includes Local, State and National. A lab fee for metal, hardware, welding supplies, safety apparel, gas products, and consumable supplies like wire, fittings and solder. There is also a $40.00 lab fee.

## AGRICULTURAL BUSINESS MANAGEMENT

(Could opt for Terra AGR 1030)
Credit: 1.25 Length: all year Grades: 11, 12
Pre-requisites: at least one year of active FFA membership and have an interest in cooperative learning and the Clyde FFA

AGRICULTURAL BUSINESS MANAGEMENT students will examine the elements of business; identify organizational structures and apply management skills while developing business plans, financial reports and strategic goals for new ventures or existing businesses. Learners will use marketing concepts to evaluate the marketing environment and develop a marketing plan with marketing channels, product approaches, promotion and pricing strategies. Throughout the course, students will apply concepts of ethics and professionalism while implications of business regulations will be identified.

Student Evaluation: Students will be evaluated on weekly activities that emphasize the specific lessons taught throughout the week. Students are required to keep a notebook and can use this resource on all activities and exams. FFA involvement is encouraged and participation points are counted as extra credit. Home projects are a component of this program and will be evaluated each semester. Students will complete an article review each week that constitutes a large portion of the final grade. Students will take a web exam when course content is complete.
Fees: All students one-time fee of $20.00 for FFA dues includes Local, State and National.

### AGRICULTURAL PHYSICAL SCIENCE

Credit: 1.0 Length: all year Grades: 9, 10
Pre-requisites: 11 & 12 grade students must have the instructor's permission

AGRICULTURAL PHYSICAL SCIENCE students will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Students will examine fundamentals of resource development, agriculture sustainability, energy needs and pollution control. They will analyze and interpret data gathered from studies on the ecosystem. Throughout this course, students will develop responses to environmental problems and develop management strategies for responsible conservation and resource development.

Student Evaluation: Students will be evaluated on weekly activities that emphasize the specific lessons taught throughout the week. Application style questions are part of the course and students are required to keep a notebook which can be used as a resource on all activities and exams. FFA involvement is encouraged and participation points are counted as extra credit. Home projects are a component of this program and will be evaluated. FFA involvement is encouraged and participation points are counted as extra credit. Upon completion of the course a web exam will be taken.
Fees: All students one-time fee of $20.00 for FFA dues includes Local, State and National. There is a $25.00 lab fee to cover cost of wood project, the cost of metal, hardware, welding supplies, safety apparel, gas products, and consumable supplies like wire, fittings and solder.

## 2. ART

### ART I

Credit: .5 Length: one semester Grades: 9, 10, 11, 12
Pre-requisites: none

ART I is designed as a basic introduction to the fundamentals and principles of art. Students will explore a variety of techniques and media through the completion of assigned class projects. A strong emphasis on building good drawing skills will be encouraged throughout the course. Students will be evaluated by a set of objectives defined before each project as well as by class participation.

Student Evaluation: exam, in-class projects, labs, attendance

Fees: $12.00

## ART II

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: Art I and instructor permission

Successful completion of Art I, as determined by each student's potential talent, interest and self-discipline to complete assigned course work, is considered when determining eligibility for ART II. Art II involves more advanced study and problem solving than Art I. Students will build upon the skills and knowledge of materials and techniques obtained in Art I. Ceramics, sculpture, painting, drawing, print-making and jewelry will be explored with more depth and time. Although the majority of the class time will be spent on assigned projects, students will have time to explore independent ideas.

Student Evaluation: exam, in-class projects, labs, attendance
Fee: $25.00

## CERAMICS

Credit: 1.0 Length: all year Grades: 11, 12
Pre-requisites: Art II or instructor permission

Students taking CERAMICS will be introduced to a variety of hand building and wheel thrown techniques. Students will be encouraged to experiment as well as develop a level of skill and mastery of the medium. A wide range of terms, procedures, glaze application and firing techniques will be explored. Each student will spend extensive time working on the pottery wheel.

Student Evaluation: exam, in-class projects, labs, attendance
Fees: $28.00

## ADVANCED STUDIO

Credit: 1.0 Length: all year Grades: 11, 12
Pre-requisites: Art II, Ceramics, and instructor permission

Those students who have exhibited a high level of creative ability and self-discipline will be accepted into ADVANCED STUDIO. These students will be expected to pursue independent study projects approved by the instructor. An independent study contract will be established prior to each project. The development of an art portfolio will be required as well as entries into high school art competitions. A strong emphasis on art careers and college study will be explored.

Student Evaluation: in-class projects, sketch books, labs, attendance
Fees: $28.00

# BUSINESS

## ACCOUNTING I

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: none

ACCOUNTING I emphasizes the general principles that govern the keeping of books in all kinds of businesses. Though primarily vocational in nature, it also has value as a part of general education. Technical skills and understanding required for competent performance as a bookkeeper, for keeping personal records, and for advanced study of bookkeeping and accounting in high school and college are developed. Basic arithmetic skills are needed by accounting students.

Student Evaluation: homework, quizzes, tests, exam, labs
Fees: $30.00

## BUSINESS LAW

Credit: .5 Length: one semester Grades: 11, 12
Pre-requisites: none

BUSINESS LAW includes the application of legal principles to both personal and business relationships. Students learn the effect of the law upon their lives, including legal job rights and responsibilities. The course covers constitutional, case, agency, and statutory law, as well as, contracts, buyer/seller and debtor/creditor relationships.

Student Evaluation: quizzes, tests, exam
Fees: none

## PERSONAL FINANCE

Credit: .5 Length: one semester Grades: 9, 10, 11, 12
Pre-requisites: none

The purpose of the PERSONAL FINANCE course is to equip students with basic financial literacy skills. This course should help the student understand the importance of having a personal financial plan, including the preparation of a personal budget, a savings and investing plan, and strategies for handling credit and managing debt. The students will learn to recognize and understand the importance of financial freedom in obtaining and using goods and services in their daily life.

Student Evaluation: homework, quizzes, tests, exam, daily assignments
Fees: none

# 3. COLLEGE/CAREER READINESS

## CAREER READINESS/FRESHMAN

Credit: .25 Length: quarter Grade: 9
Pre-requisites: none

This course is designed to expose students to various career fields and professions. Students will increase their knowledge of levels of degrees, professional licenses, and certificates that may be required for career advancement. Students will establish a profile with the Ohio Means Jobs website and build a digital Exploration Portfolio. Emphasis will be placed on employability and employment trends.

Student Evaluation: Career plan
Fees: none

## CAREER READINESS/JUNIOR

Credit: .25 Length: quarter Grade: 11
Pre-requisites: Career Readiness/Freshman

This course is designed to enhance necessary skills which will secure and advance employment. Students will participate in various job shadowing experiences, as well as explore the importance of skills needed in the modern workplace.

Student Evaluation: Job Shadowing Summary
Fees: none

## CAREER READINESS/SENIOR INTERNSHIP

Credit: 1.0 Length: semester Grade: 12
Pre-requisites: recommendation of counselor and CCR instructor

Seniors who are on track to meet their graduation requirements may elect to do an internship in a career field that aligns with their career goals. Students will attend Clyde High School for half of the school day for regular coursework. During the other half of the school day, students will participate in an internship with an area professional. This unique opportunity will allow students to build on the soft skills that will promote employability. These skills include professional and ethical behavior, punctuality, regular attendance, problem solving skills, and professional networking.

Student Evaluation: student portfolio, performance evaluations, intern supervisor feedback
Fees: none

## SPEECH/COMMUNICATIONS

Credit: .25 Length: one grading period Grades: 11, 12
Pre-requisites: none

The purpose of SPEECH/COMMUNICATIONS is to improve a student's intrapersonal and interpersonal communication skills. Students will learn about the communication process and practice those skills through group projects and roundtable discussions. During the quarter, students will also complete a series of one to five minute speeches, including an introductory speech, an informative speech, and a persuasive speech. They

will learn to incorporate researched information into their speeches, while citing them in-text using MLA format. Proper English, organization, and speech fundamentals will be stressed in all activities.

Student Evaluation: homework, written responses, discussions, quizzes, group projects, and speeches
Fees: none

### HEALTHY LIVING

Credit: .25 Length: one grading period Grade: required 9
Pre-requisites: none

In nine weeks, students in the HEALTHY LIVING program will learn a wide range of life skills that will help promote healthy living and provide a pathway to become a responsible, productive member of society. Students will leave the course not only CPR certified but also educated on current trends in society.

Student Evaluation: homework, quizzes, tests, exam, notebook
Fees: none

### ACT PREPARATION/OHIO EOY TEST REMEDIATION

Credit: .25 Length: one grading period Grade: 11
Pre-requisites: none

Students will use a variety of resources to prepare for taking the ACT TEST or remediate for the OHIO EOY TEST. Diagnostic testing will reveal students' strengths and weaknesses. Computer based modules can be individualized to help students improve in areas of weakness. Test taking strategies will also be emphasized. **Students who are in jeopardy of not meeting Ohio graduation requirements will remediate for the Ohio EOY tests, instead of the ACT test.

Student Evaluation: class participation, completion of assignments and Internet activities all designed to build student confidence and increase performance on standardized tests
Fees: none

## 4. COMPUTER SCIENCE

### COMPUTER APPLICATIONS

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: none

COMPUTER APPLICATIONS course is an introductory course where students improve upon keyboarding techniques, develop basic Internet skills, and utilize the Microsoft Office applications of Word, Excel, PowerPoint, Access and Publisher. Success in the course will depend on the student's ability to work independently with guidance from the instructor.

Student Evaluation: homework, quizzes, tests, exam
Fees: $15.00

## Gaming - Computer Science Principles

Credit: 0.5 Length: Semester Grades: 9, 10, 11, 12

Pre-requisites: None

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Units are designed to give students a solid foundation in the following areas: The Internet, Digital Information, Intro to Programing, Big Data/ Privacy and Building Apps.

Student Evaluation: completion of computer modules, in-class projects, module summative assessments, exams
Fees: None

## Game Maker I

Credit: 0.5 Length: Semester Grades: 9, 10, 11, 12

Pre-requisites: "C" (or better) in Computer Science Principles or permission of instructor.

In GameMaker I, students learn concepts taught in a college-level "Programming 101" course and work in teams to build two dimensional (2D) games. Using GameMaker: Studio, they develop core computing knowledge that can be transferred to other programming languages like Python, Java and C++. When finished, students will have games that can be played with friends and added to a digital portfolio.

Student Evaluation: completion of computer modules, in-class projects, module summative assessments, exams
Fees: None

# 6. CONSTRUCTION TRADES

### CONSTRUCTION TRADES I and II

Credit: .5 Length: one semester Grades: 9, 10, 11, 12
Pre-requisites: none

CONSTRUCTION TRADES I and II classes are designed to be taught in modular unites. Therefore, students can progress through four semesters to complete all of the construction units. The Construction Trades Units are as follows:

*BLUEPRINT READING*

The ability to do basic drawing and read blueprints are valuable skills needed in all areas of construction. Students do a simple sketch of their lab and then transfer their sketch to a drafting board where they add the correct symbols for doors, windows, electrical and plumbing fixtures. They gain an understanding of plot plans and how to use a floor plan to determine where walls are placed. Students use the elevation drawings to measure window and door locations and the placement of cabinets. Blueprint reading reinforces math and reading skills.

*CONCRETE*

In this CTA, students will identify and describe basic tools, equipment, and materials used in the concrete trade. They will gain an understanding of basic concrete and reinforcing applications. Students will prepare, form, reinforce and pour a concrete slab and curb, while exploring applied science and mathematics in the trade.

*ELECTRICAL*
Students will explore the types of wire and connections used in typical residential electrical installations. While carefully following the onscreen video instruction, students use a low voltage (12 volt) portable electrical panel to wire a typical duplex residential outlet, switch loop, and a three-way switch. Additionally, students will learn how to add a circuit. They also gain an understanding of the science and math of the electrical trade.
*ESTIMATION SKILLS*
Students perform material estimations for the construction of a simple house and considerations for sustainability. They will calculate: yards of concrete, the number of rafters, studs, and plating, plumbing and electrical fixtures, doors and windows and the quantity of roofing materials. The estimate is totaled and presented to the instructor for review. The estimation skills CTA allows students to use construction math to calculate the cost of their labor and the materials they are using.
*HAND TOOLS*
The fundamental use of hand tools is important for any construction trade. In this CTA, students use a variety of hand tools to perform basic and safe woodworking operations. Using inexpensive pine or poplar, students apply common woodworking practices to build a take-home project.
*MASONRY*
A good mason is one of the most valued tradespersons on a construction site. In masonry skills, students learn about the chemistry of mortar and how to mix it properly. Students learn how to cut and lay brick, then build a 3-course concrete block wall.
*PLUMBING*
Students learn how to cut and connect four types of pipe. They will prepare and solder copper pipe for water, and cut and thread steel pipe for gas applications. Additionally, they explore the different applications for ABS and PVC plastic pipe. Students assemble a drain-waste-vent system; install a sink with taps, tubes and drain; install a toilet with base assembly; and build and test a simulated gas pipe circuit.
*POWER TOOLS*
Students first learn to safely use a table saw and then use it to rip a board into strips in preparation for gluing and clamping. The board is then dressed using the jointer and bench top planner. Students will then use a router to create the final pieces for assembling the lid for their custom box. They apply the same principles to build a picture frame.
*WALL FRAMING*
Students build and connect four complete walls that include window and door sections, using industry-standard procedures. They gain an understanding of the types of fasteners and nailing techniques used in framing. In the framing process, students gain an understanding of the terminology and techniques used in construction.

Student Evaluation: Rubric assessments are used at the end of each unit to evaluate the student's knowledge and skills learned with the project and to assess their completion.
Fees: $25.00 each semester

## CONSTRUCTION TRADES III and IV

Credit: .5 Length: one semester Grades: 9, 10, 11, 12
Pre-requisites: none

CONSTRUCTION TRADES III and IV classes are a continuation of the skill-building modules that students were introduced to in Construction Trades I and II. In addition to the specific trade-area skills, students may have time to complete individual projects in woodworking if they are well motivated. The Construction Trades Units are as follows:
*CABINETMAKING*
Students will identify basic tools and equipment used in the cabinetmaking trade. They will identify and describe materials used in cabinetmaking, understand basic techniques, and design and build a sample cabinet using 32mm technology. Students also explore the applied mathematics of cabinetmaking.

*COMMUNICATIONS*

Students will identify basic tools and equipment used for communication systems in structures. They will identify and describe applications of communication systems, understand installation techniques for cable and internet connections, telephone, security and lighting systems. Science and applied mathematics will be explored.

*DRYWALL*

Students assemble a steel stud wall as the basis for the rest of the activities. Using an abrasive saw and steel studs, students measure and cut stud sections and then fasten them in place with a drill and screws. After squaring the wall, students cut and hang drywall pieces to form a butt joint filler. Then they sand and apply different types of decorative finish.

*FINISH CARPENTRY*

Students use a full size window and door trainer to install a pre-hung door and window. They learn to use techniques for applying flashing and using shims, levels and squares to correctly set the door and window. Once the door is installed, students use the compound miter saw to cut and fit the door casing. They also learn how to use a "coping" saw for crown molding and trim work.

*GREEN CONSTRUCTION*

Green Construction is an exciting exploration into the process of environmentally responsible and sustainable construction techniques that will attract a lot of student interest. Activities include: installation and testing of a solar panel array, installation of energy-saving plumbing components, and analysis of lighting for electrical efficiency. Students also conduct a LEED audit.

*HVAC*

Students will explore the relationship between electricity consumption and heating and cooling output using meters and testing devices. Using the HVAC trainer students will gain an understanding of the basics of thermodynamics and explore the properties of convection, conduction, and radiation.

*PAINTING*

Students learn the basics of correct preparation for painting and staining. Students use spackle filler and putty knives to correct any imperfections. They mask the door and window trim areas. They learn the correct techniques for "cutting in" trim and applying paint with a roller. They also apply four types of stain, then sand and apply finish.

*ROOF FRAMING*

Whether flat, gabled, or steeply pitched, the roof not only adds style but adds significantly to the strength of the structure. Students develop their geometry skills while they lay out rafters. They cut and trace the rafters and cut them to size. After cutting the ridge board, they stack the roof frame, cut the lookouts and install the fascia boards.

*SURVEYING and SITE PLANNING*

Surveying and site planning are the foundation of any construction project. Students use elements of mathematics and physics to measure distances, directions and angles between points and elevations, lines and contours. They then construct a detailed topographical model based on site plans.

*TILE SETTING*

Students will learn how to measure, cut, set and finish both vertical and floor tile. Using the tile setting trainer students will apply mathematics skills to layout the tile grid. Students will cut and fit tile using several types of cutting tools, and apply mortar and grout.

*WEATHERIZATION*

Weatherization is one of the fastest growing Green construction trades. Millions of homes in the U.S. will require some form of weatherization. This high-activity CTA gives students the opportunity to understand the "whole-house" approach to weatherization. Students learn about the latest weatherization techniques and material applications. Students will demonstrate effective communication skills with the homeowner as an integral part of a successful weatherization project.

# 7. ENGLISH

## ENGLISH I

Credit: 1.0 Length: all year Grade: 9
Pre-requisites: application form following registration

All students must take English I or English I Honors. ENGLISH I students will study literature, complete a variety of writings, and develop vocabulary and speaking skills. Completion of this course will help the student function in an increasingly complex world where greater understanding of communication skills is expected. The course will prepare the student to study beyond the high school level.

Student Evaluation: homework, quizzes, tests, exams, variety of writing assignments, individual and group projects, formal and informal speaking opportunities.
Fees: none

## ENGLISH I HONORS

Credit: 1.0 Length: all year Grade: 9
Pre-requisites: application form following registration

Students who successfully complete eighth grade language arts class may request this ENGLISH I HONORS course. Students who apply and are accepted into this course will complete an application and meet certain criteria. Students are expected to maintain a high degree of success in this course. Students, whose work falls below the expectations of the instructor, will be counseled about changing to regular English. Students will study the areas of literature and composition in depth, going beyond the usual limitations when possible.

Student Evaluation: homework, quizzes, tests, exam, variety of writing assignments, individual and group projects, formal and informal speaking opportunities.
Fees: none

## ENGLISH II

Credit: 1.0 Length: all year Grade: 10
Pre-requisites: English I

This ENGLISH II course includes the study of literature, grammar, composition, vocabulary, and speaking skills. Each area is addressed each nine weeks in a theme based or workshop approach so that all communication skills are addressed. For instance, if the theme were to be "Strategies for Survival," the student might be expected to read and discuss a short story, a poem and a non-fiction selection, write an opening statement to a jury, convince a panel of peers to vote a particular way, study pronoun usage, and create an advertisement to sell a product. In a workshop approach the student might read a novel, write about it in a daily journal, create 3 – 6 writings through a process, and study a play as a group. Completion of this course will help the student function in an increasingly complex world where greater understanding of communication skills is expected. The course will prepare the student to study beyond the high school level.

Student Evaluation: homework, quizzes, tests, exam, a variety of writing assignments, individual and group projects, formal and informal speaking opportunities.

Fees: none

## ENGLISH II HONORS

Credit: 1.0 Length: all year Grade: 10
Pre-requisites: English I Honors or teacher recommendation

ENGLISH II HONORS class is open to anyone with an exceptional ability in English. He/she will go beyond each assignment to gain knowledge on his/her own. He/she will meet each assignment deadline, participate enthusiastically, and actively discuss class subjects. He/she will maintain an organized workplace and be resourceful in discovering knowledge and skill. Students will study literature, grammar, vocabulary, and composition, going beyond the usual limitations to achieve an in-depth understanding. Students will be required to read four novels as well as various other pieces of literature, including 1 -2 Shakespearean plays. The curriculum for this course is rigorous.

Student Evaluation: homework, quizzes, tests, exam, a variety of writing assignments, individual and group projects, formal and informal speaking opportunities.
Fees: none

## ENGLISH III

Credit: 1.0 Length: all year Grade: 11
Pre-requisites: English II or English II Honors

In ENGISH III the student follows a thematic survey of all types of American literature. Thus, the student will study chronicles of early American explorers as well as contemporary poetry, short stories, novels, and drama. Also, development of reading, vocabulary, writing, and critical thinking skills will be practiced. Students will gain experience writing a research paper and a literary essay and will practice other creative and expository writing. Completion of this course will help the student function in an increasingly complex world where greater understanding of communication skills is expected. The course will prepare the student to study beyond the high school level.

Student Evaluation: homework, quizzes, tests, exam, a variety of writing assignments, individual and group projects, research paper, formal and informal speaking opportunities, reading journals, writing portfolios, and class discussion.
Fees: none

## COLLEGE COMPOSTION I/Terra (ENG1050 – 3hrs)

Credit: 1.0 Length: 1st semester Grades: 11, 12
Pre-requisites: college test scores obtained
College Credit Plus: students who fail to earn a passing grade may be responsible for the cost of the course.

COLLEGE COMPOSITION I will also follow the survey and progression of literature, but it will supplement the English III curriculum with a wider range of selections. Thus, students will work at an accelerated pace. Assignments will include a variety of independent writing projects in response to class discussion and readings that require strong critical thinking skills.

Student Evaluation: homework, quizzes, tests, exams, a variety of writing assignments, research paper, individual and group projects, formal and informal speaking opportunities, class discussion, reading journal, and writing portfolio.
Fees: none

## COLLEGE COMPOSITION II/Terra (ENG1060 – 3hrs)

Credit: 1.0 Length: 2nd semester Grades: 11, 12
Pre-requisites: college test scores obtained
College Credit Plus: students who fail to earn a passing grade may be responsible for the cost of the course.

The COLLEGE COMPOSITION II semester will focus on building knowledge through content-rich fiction and nonfiction related to English literature. Students will be asked to carefully read a wide variety of high quality texts from across diverse genres and eras. Students must be able to answer a range of questions using evidence and inferences from the text itself and must be able to use evidence from tests to present careful analyses, well-defined claims, and clear information. Finally, students will engage in regular practice with complex texts and its syntax and vocabulary. Content in the course may include nonfiction, poetry, drama, novels, art, and other media.

Student Evaluation: homework, quizzes, tests, compositions, projects
Fees: none

## ENGLISH IV

Credit: 1.0 Length: all year Grade: 12
Pre-requisites: English III

ENGLISH IV will focus on building knowledge through content-rich fiction and nonfiction related to English literature. Students will be asked to carefully read a wide variety of high quality texts from across diverse genres and eras. Students must be able to answer a range of questions using evidence and inferences from the text itself and must be able to use evidence from texts to present careful analyses, well-defined claims, and clear information. Finally, students will engage in regular practice with complex texts and its syntax and vocabulary. Content in the course may include nonfiction, poetry, drama, novels, art, and other media.

Student Evaluation: homework, quizzes, tests, compositions, projects
Fees: none

## ENGLISH APPLICATIONS (Yearbook)

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: completed/timely application and advisor approval
ENGLISH APPLICATIONS (Yearbook) is a course dedicated to producing a top quality publication, the Clyde High School yearbook *The Courier*. *The Courier* has existed as a record of the year since 1919. Students who elect this class work to create the finest product that is possible, striving to create and error-free 208-page publication. Students work under stringent deadlines, and they volunteer their free time to ensure that these deadlines are met. Students will be expected to sell advertisements, participate in book sales and to attend and photograph events beyond the school day. Interviewing skills and an outstanding personality are vital to this class. Students who have their valid driver's license and access to a vehicle, and students who excel with the computer programs Adobe in Design and Adobe Photoshop and have a camera are preferred. Only serious students should register for this class.

Special Note: Students may receive activity points in addition to a grade for this class.
Student Evaluation: ad sales, deadlines, quality work, overall contribution to the production of *The Courier*.
Fees: none

## PRINT JOURNALISM

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: application following registration, typing skills preferred, and second year students must have a "B" average in Journalism

PRINT JOURNALISM is a course dedicated to producing a top quality newspaper. Students of this course are staff writers for *The Race Street Journal*, Clyde High School's newspaper. Editor positions are assigned to upperclassmen who display strong leadership skills. All student who elect this course, work under stringent deadlines. They must volunteer their free time to ensure these deadlines are met. The class will study journalistic style, learning how to write news stories, feature stories, sports stories, and editorials. Students will also learn how to prepare and conduct interviews and how to design pages of the newspaper. In addition, students will gain experience using computers, selling advertising, and developing prints.

Student Evaluation: writing and editing, meeting deadlines, homework, tests, exams
Fees: none

## BROADCAST JOURNALISM

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: application following registration and advisor approval

BROADCAST JOURNALISM is a course dedicated to creating a top quality newscast and other broadcasts that will be produced for the entire school to see. Students in this course will be staff members of WCHS who will be expected to exhibit strong leadership skills and adhere to proper journalistic ethics. All students who elect this course will work under stringent deadlines and they must be willing to volunteer their free time during the day, as well as before and after school. The class will study journalistic style, learning how to write news stories, sports stories, feature stories, and other documentary-type reports. Students will also learn how to prepare and conduct interviews, run a camera and edit film.

Student Evaluation: writing and editing stories, interviews, meeting deadlines, quizzes, tests, weekly news briefings and storyboarding
Fees: $5.00

# 8. FAMILY AND CONSUMER SCIENCE

## HEALTHY FOODS I

Credit: .5 Length: one semester Grades: 9, 10, 11, 12
Pre-requisites: none – This course is non-sequential with HEALTHY FOOD I (Spring Semester). This course is used as a pre-requisite for FOOD AND FITNESS.

This HEALTHY FOODS I (Fall Semester) course is designed for students who wish to learn how to cook. Students will develop basic food preparatory skills, proper measuring and equipment use, and safety and sanitation. Students will have a collection of recipes prepared throughout the semester in their own personal recipe card cookbook. The course is divided by food categories that share common preparation techniques and nutrients. The food categories students will experience include quick breads, creative cooking, egg cookery, vegetables, poultry, soups, microwave basics and holiday cooking. The students will participate in weekly food labs, as well as a gingerbread house contest. Career opportunities in culinary fields will be explored.

Student Evaluation: recipes, lab planning, lab evaluations, quizzes, projects, discussions, etc.
Fees: $15.00 – Students may also be required to pay for expenses on a possible field trip.

## HEALTHY FOODS II

Credit: .5 Length: one semester Grades: 9, 10, 11, 12
Pre-requisites: none – This course is non-sequential with HEALTHY FOOD I (Fall Semester). This course is used as a pre-requisite for FOOD AND FITNESS.

This HEALTHY FOODS II (Spring Semester) course is designed for students who wish to learn how to cook. Students will develop basic food preparatory skills, proper measuring and equipment use, and safety and sanitation. Students will have a collection of recipes prepared throughout the semester in their own personal recipe card cookbook. The course is divided by food categories that share common preparation techniques and nutrients. The food categories students will experience include yeast breads, milk and cheese, fruit, salad, meats, pasta/grains/casseroles, pastry and cakes. The students will participate in weekly food labs, as well as a cake decorating contest. Career opportunities in culinary fields will be explored.

Student Evaluation: recipes, lab planning, lab evaluations, quizzes, projects, discussions, etc.
Fees: $15.00 – Students may also be required to pay for expenses on a possible field trip.

## FOOD AND FITNESS

Credit: .5 Length: one semester Grades: 10, 11, 12
Pre-requisites: HEALTHY FOOD I with a "C" or better

Would you like to know how to improve your physical and nutritional condition? Would you like to have better performance in athletics or improve your health? How does food affect your body? This hands-on FOOD AND FITNESS course helps students to make healthier food choices while expanding their food preparation techniques. Course topics include exploring the six nutrients and studying their effect on health/athletic performance, digestion, healthy choices for an active lifestyle, fad diets and eating disorders. Career opportunities in sport nutrition/culinary will be explored.

Student Evaluation: recipes, lab planning, lab evaluations, quizzes, projects, discussions, participation, etc.
Fees: $15.00 – Students may also be required to pay for expenses on a possible field trip.

## CHILD DEVELOPMENT

Credit: .5 Length: one semester Grades: 11, 12
Pre-requisites: none

This CHILD DEVELOPMENT course is designed for students who want to learn about the responsibilities of raising and caring for children. The course will focus on learning about children from conception to five years of age. Topics include prenatal development, labor and delivery, how children grow and learn, building positive parent-child relationships, parenting roles and responsibilities, parenting styles and readiness for parenting. Careers in childcare and early childhood education will be explored. This course is helpful for any student interested in pursuing a career in teaching, social work, or other child contact career.

Student Evaluation: class discussions, individual projects, group projects, quizzes, tests, participation
Fees: none

## LIFE TRANSITIONS (Fall Semester)

Credit: .5 Length: one semester Grades: 11, 12
Pre-requisites: none – This course in non-sequential with LIFE TRANSITIONS II (Spring Semester).

This LIFE TRANSITIONS course provides students with the opportunity to apply knowledge they will approach now and in the near future. The students will learn how to build positive, healthy relationships. Topics include learning about themselves, others and the relationship between self and others, personal development and handling emotions, goals, and values, relating to others, communication, problem solving, conflict resolution and anger management, and adjusting to change. The students will participate in classroom activities and several projects to apply the skills they learn. Class participation and discussion is required on a daily basis.

Student Evaluation: class discussions, individual projects, group projects, quizzes, tests, participation
Fees: none

## LIFE TRANSITIONS II (Spring Semester)

Credit: .5 Length: one semester Grades: 11, 12
Pre-requisites: none – This course is non-sequential with LIFE TRANSITIONS (Fall Semester).

This LIFE TRANSITIONS course provides students with another opportunity to apply knowledge they will require in the near future. The students will develop skills for independent living to make a functional transition to adulthood. Course topics include decision making skills, family relationships, balancing work and family, dealing with loss or crisis management, moving toward independence- using credit cards and the pitfalls of poor money management, managing living expenses, influences on spending, and living on your own- including major purchases of apartments or homes. The students will participate in classroom activities and several projects to apply the skills they learn. Class participation and discussion is required on a daily basis.

Student Evaluation: class discussions, individual projects, group projects, quizzes, tests, participation
Fees: none

# 9. FOREIGN LANGUAGE

## SPANISH I

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: "C" (or better) in English or permission of instructor. Class size will be limited to the number of sections offered.

SPANISH I will emphasize understanding the spoken and written language. It will also include learning about the people and customs of Spanish-speaking countries.
Students will:

1. Show ability to pronounce and use every day Spanish, especially sounds unique to the Spanish language.
2. Understand and use every day Spanish vocabulary and expressions. (Days, greetings, telling time, weather, etc.)
3. Demonstrate knowledge of Spanish culture and geography of Spanish-speaking countries.
4. Use the target language in oral presentations, simple conversations, and simple compositions.
5. Be able to understand aspects of sentence structure and simple grammar structure.
6. Students will be able to read and write paragraphs, dialogues, or letters relatively error free.
7. Understand Spanish spoken by the teacher appropriate for their level.

Student Evaluation: class participation, speaking presentations, in-class assignments, homework, quizzes, tests, projects
Fees: $5.00 – Hispanic Realia

## SPANISH II

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: "C" or better in Spanish I or permission of the Spanish I instructor

SPANISH II will expand on vocabulary and ideas learned in Spanish I. More emphasis will be given to grammar, reading, listening, writing and speaking skills.
Student will:

1. Be able to reproduce all sounds of the Spanish language.
2. Continue to learn more about Spanish culture and geography.
3. Use Spanish in oral presentations, conversations, and partner practice.
4. Expand in oral and written grammatical skills.
5. Further their everyday Spanish vocabulary and include common idioms and expressions.
6. Understand Spanish spoken by the teacher appropriate for their level.

Student Evaluation: homework, quizzes, tests, exam, in-class speaking, in-class projects, home projects, notes, participation
Fees: $5.00 – Hispanic Realia

## SPANISH II HONORS

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: "A" or better in Spanish I and teacher recommendation

SPANISH II HONORS is open to students who have received a high "A" in Spanish I and have received a teacher recommendation due to their commitment to strong work ethics, willingness towards rigorous curriculum, enthusiastic participation and have demonstrated exceptional ability within their first year of Spanish study. He/she should also exhibit a committed plan to continuing with their Spanish studies throughout Spanish levels III or IV. Spanish II Honors will expand on vocabulary and ideas learned in Spanish I. More emphasis will be given to more advanced grammatical topics, authentic reading, listening, writing, and speaking skills, to achieve superior understanding and application of skills. Students will:

1. Be able to reproduce all sounds of the Spanish language
2. Continue to learn more about Spanish culture and geography
3. Use Spanish in oral presentations, conversations, and partner practice
4. Expand in oral and written grammatical skills
5. Further their everyday Spanish vocabulary and include common idioms and expressions
6. Understand Spanish spoken by the teacher, appropriate for their level

Student Evaluation: homework, quizzes, tests, exam, in-class speaking, in-class projects, home projects, notes, participation
Fees: $5.00 – Hispanic Realia

## SPANISH III HONORS

Credit: 1.0 Length: all year Grades: 11, 12
Pre-requisites: "C" or better in Spanish II or permission of the Spanish II instructor

SPANISH III Honors class is conducted primarily in Spanish in which students are expected to participate. Topics will concentrate on Latin America's History, Art and Literature as well as current events and those of interest to high school students. Students will:

1. Be expected to demonstrate and understand an advanced use of the vocabulary, including specialized vocabulary
2. Demonstrate the ability to correctly recognize and use Spanish grammar
3. Demonstrate an advanced knowledge of Latin American Art, History and Culture through various readings and discussions in Spanish
4. Carry on conversations based on reading materials, and participate in impromptu discussions in Spanish
5. Be able to write short compositions and dialogues that are relatively error free
6. Have as many opportunities as possible to meet Spanish speakers
7. Understand Spanish spoken by the teacher appropriate for their level

Student Evaluation: class participation, speaking presentations, in-class assignments, homework, quizzes, tests, project
Fees: $8.00 – Hispanic Realia and Grammar Study Guide

## ADVANCED SPANISH

Credit: 1.0 Length: all year Grade: 12
Pre-requisites: "C" or better in Spanish III or permission of the Spanish III instructor

ADVANCED SPANISH class is conducted primarily in Spanish in which students are expected to participate. Topics will concentrate on Spain's History, Art, and Literature as well as current events and those of interest to high school students. The goal is to improve your listening and speaking skills and develop reading and writing skills so that you can perform in a Spanish-speaking environment. You will continue learning elements of Hispanic cultures directly in Spanish and become increasingly aware of the differences between your own culture and those in Hispanic countries. Learning vocabulary and grammar is not the end goal of this course; it is a means to develop your abilities to communicate. You will not only receive explicit instruction on learning strategies for the development of interpretive, interpersonal, and presentational skills, but also on problem-solving strategies oriented toward more effective communication with Spanish speakers. The in-class setting will be highly interactive, taught only in Spanish, with emphasis on student-centered activities, often involving work in pairs or small groups. It is extremely important that you come well prepared to class. In the spring, students will conduct Spanish lessons in the district's elementary schools.

Student Evaluation: class participation, speaking presentations, in-class assignments, homework, quizzes, tests, and projects
Fees: $5.00 – Hispanic Realia

# 10. INDUSTRIAL TECHNOLOGY

## STEM I

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: "C" or better in Algebra I or recommendation by instructor

Students in the STEM I course will develop their abilities to innovate, think critically, and collaborate with others to problem-solve. Students will engage in activities and projects using modern technologies that apply their math, science, reading, and writing skills. This course will also allow for student to explore career opportunities while gaining experiences in the broad spectrum of Engineering.

Student Evaluation: exam, in-class projects, labs, attendance
Fees: $40.00

## STEM II

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: STEM I (foundations)

Our STEM II class engages students in a rigorous 180-day STEM program with an emphasis on engineering. The program places students in a virtual internship, working for an engineering consulting firm. Student teams are engaged in authentic engineering work, solving real-world problems and competing to win professional contracts. Designed with the express purpose of being inclusive so all students, not just the academically gifted, would have an opportunity to experience STEM learning. The combination of the STEM I (foundation) program and the STEM II (application) program enables students of various abilities to participate in rigorous course.

### UNITS

*ALTERNATIVE ENERGY & ENVIRONMENT*
Student teams are tasked to combine foundational knowledge and skills, along with research, to design and build a solar cooker that meets specific design criteria. They will then collect data and report their findings to secure an engineering contract in The Gambia.

*ARCHITECTURE & CONSTRUCTION*
Student teams compete for a contract to design and build an innovative portable shelter for a premiere entertainment company. Students will then take their design and create a model to demonstrate compliance with the design requirements.

*MANUFACTURING & MATERIALS*
Student teams will combine 3D modeling with research on guitar components to design a custom body, headstock, and tuners to secure a contract with a rock band. Students will then take their designs through the manufacturing process to develop a prototype for their presentation.

*ROBOTICS*
Working with NASA, student teams combine problem-solving and programming skills to design and build a robot that can meet government specifications. Students must face the pressure of a performance based challenge to win the contract.

Student Evaluation: grades will be given based on daily mastery of the content and activities. Every single day is carefully scheduled for each Unit, so it is very important to keep attendance high. All progress is recorded online via the LMS used to deliver the content and is viewable by the parent/guardians. Missed content work and knowledge checks may be made up outside class by accessing the LMS at lms.paxpat.com. Rubric

assessments are used at the end of each unit to evaluate the student's knowledge and skills learned with the projects and to assess their completion of a Design Brief Challenge.
Fees: $40.00

### APPLIED ENGINEERING DESIGN & CONSTRUCTION

Credit: 1.0 Length: all year Grades: 11, 12
Pre-requisites: Completion of 2 years in either the STEM or CONSTRUCTION PROGRAM, or a combination of both, with at least a grade of "B-" or higher

APPLIED ENGINEERING DESIGN AND CONSTRUCTION is for students who have completed either two years in the STEM or Construction program and have begun developing the skills necessary to design and build solutions to open-ended real-world problems. In this course, students will put their skills and experiences together to solve a larger, open-ended problem. Students will engage in problem-based learning, utilizing the experiential learning theory along with hands-on work. Students will perform research to choose, validate, and justify a technical problem that they will attempt to solve. After carefully defining the problem, teams of students will design, build and test their solution. All student work MUST be kept on record, and students will build a portfolio of all research, drawings, prototypes, and calculations. Finally, student teams will present and defend their original solution to an outside panel. While progressing through the engineering design process, students will work closely with a community mentor and experts in the related fields, and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design and building processes.

Student Evaluation:
Fees: Dependent on chosen project

## 11. MATHEMATICS

### MATH INTERVENTION

Credit: 1.0 Length: all year Grade: 9
Pre-requisites: Teacher/Counselor reference and assessment

This MATH INTERVENTION course is designed for those students who have had difficulty mastering basic computational skills and applying them to solve problems. Emphasis is given to basic arithmetic, fractions, decimals, measurement, proportions, percent's, graphing, simple geometry, and practical problem solving. Only those students who have not mastered these types of problems should enroll in this course. This course is also recommended for grade 10, 11 and 12 students who have not passed the Ohio Graduation Test.

Student Evaluation: homework, quizzes, tests, exam
Fees: none

### ALGEBRA I A

Credit: 1.0 Length: all year Grade: 9
Pre-requisites: none

ALGEBRA I A is a course designed to be taken as a series, which will allow the student to fulfill their Algebra I requirement over a two-year frame. The course will study the main topics of linear Algebra including, but not limited to, simplifying and evaluating expressions, solving all types of linear equations and inequalities, and graphing those equations or inequalities.

Student Evaluation: homework, quizzes, tests, exams
Fees: none – supplies as needed, graph paper and scientific calculator

## ALGEBRA I B

Credit: 1.0 Length: all year Grade: 10
Pre-requisites: none

DEVELOPMENTAL ALGEBRA I B is the second part of the Algebra I series that will fulfill a student's Algebra I requirements for graduation. Students will take the State End of the Year Exam after the completion of this part of the series, their sophomore year. This course will study a brief review of the linear topics from Algebra I A and concentrate on the topics of quadratic functions, exponential functions, solving quadratics, and factoring expressions.

Student Evaluation: homework, quizzes, tests, exams
Fees: none – supplies as needed, graph paper and scientific calculator

## DEVELOPMENTAL ALGEBRA

Credit: 1.0 Length: all year Grades: 9, 10, 11
Pre-requisites: none

DEVELOPMENTAL ALGEBRA is a course designed for the student who has mastered basic mathematical skills, but is not yet ready for Algebra I. The course emphasizes applications, problem solving, uses of variables, simple equations, formulas, exponents, algebraic expressions, basic probability and statistics, and simple geometry. Students successfully completing this course should enroll in Algebra I the next year.

Student Evaluation: homework, quizzes, projects, tests, exam
Fees: none – supplies as needed, graph paper and scientific calculator

## ALGEBRA I

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: none

This ALGEBRA I course is intended for the above average math student who is prepared to learn beyond basic math application skills. Students enrolled in this course can expect to learn about basic properties of integers, solving equations and inequalities, simplifying expressions, factoring, rational expressions, radicals, graphing, and solving systems of equations. These basics of algebra are also used to solve application problems. This course offers a good background for both the college prep student and one who may plan on a career in a technical field.

Student Evaluation: homework, quizzes, tests, exam, notebooks, projects
Fees: none – supplies as needed, graph paper and scientific calculator

## GEOMETRY

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: Algebra I

GEOMETRY is the minimum recommended mathematics course for most technical colleges and for many applied and technical fields. All of the basic concepts of geometry are treated in the course, including parallel lines, triangles, quadrilaterals, circles, area, volume, coordinate geometry, and inequalities. The course work includes a gradual introduction to proofs, review of algebraic skills, and applied problems.

Student Evaluation: homework, quizzes, tests, exam, notebooks
Fees: none – supplies as needed, graph paper and scientific calculator

## ALGEBRA II

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: Algebra I and Geometry

This ALGEBRA II course is recommended as a mathematics requirement for most four-year colleges and technical fields. The course contains a review of basic algebra, then extends the topics studied to include operations with polynomials, combined factoring, quadratic equations and inequalities, radicals, complex numbers, coordinating geometry and graphing. Other topics include functions, matrices, and determinants, and an introduction to trigonometry. Problem solving in this class will help students prepare for their ACT or SAT test. It is recommended to have a grade of C- or better in Geometry in order to take Algebra II.

Student Evaluation: homework, quizzes, tests, exams, notebooks
Fees: none – supplies as needed, graph paper and scientific calculator (recommended TI-83 Plus, TI-83 Plus Silver Edition, TI-84 Plus or TI-84 Plus Silver Edition)

## ALGEBRA III

Credit: 1.0 Length: all year Grades: 11, 12
Pre-requisites: Algebra II

This ALGEBRA III course is recommended as a mathematics requirement for most four-year colleges and technical fields. The course contains a review of Algebra II, then extends the topics studied to include exponential and logarithmic equations, rational equations, conic sections, arithmetic and geometric sequences, and some topics in probability and statistics. If time permits, some topics of basic trigonometry may be introduced. Problem solving in this class will help student prepare for their ACT or SAT test. It is recommended to have successfully completed Algebra II in order to take Algebra III.

Student Evaluation: homework, quizzes, tests, exams, notebook
Fees: none – supplies as needed, graph paper and graphing calculator (recommended TI-83 Plus, TI-83 Plus Silver Edition, TI-84 Plus or TI-84 Plus Silver Edition)

## PRE-CALCULUS

Credit: 1.0 Length: all year Grades: 11, 12
Pre-requisites: Algebra II with a grade of C or above or Algebra III with a grade of B- or above
College Credit Plus: Students with at least a 3.0 CUM GPA and a qualifying Compass Test score may elect to take this course for 5 semester credit hours with Owens Community College. However, students may elect to

take the course for high school credit only. Students who fail to earn a "C" grade or higher or withdraw after the posted deadline will be responsible for the cost of the course.

Topics in PRE-CALCULUS will be covered at an accelerated rate and is meant for the above average math student whose post-secondary plans are to attend college. There will be concentrations on the following topics: algebraic functions and their graphs, trigonometric functions and their applications, analytic geometry, and additional topics necessary to prepare students for success in a college-level Calculus course.

Student Evaluation: homework, quizzes, tests, exams, notebook
Fees: none – supplies as needed, graph paper and graphing calculator (recommended TI-83 Plus, TI-83 Plus Silver Edition, TI-84 Plus or TI-84 Plus Silver Edition)

## APPLIED STATISTICS/Terra (MTH2010 – 3 hrs.)

Credit: 1.0 Length: 2nd semester Grades: 11, 12
Pre-requisites: Algebra I, Geometry, Algebra II (Grade C or above in Algebra II)
College Credit Plus: Students with at least a 3.0 CUM GPA and a qualifying Compass Test score may elect to take this course for 3 semester credit hours with Terra State Community College. However, students may elect to take the course for high school credit only. Students who fail to earn a "C" grade or higher or withdraw after the posted deadline will be responsible for the cost of the course.

Topics in APPLIED STATISTICS will be covered at an accelerated rate and is meant for the above average math student whose post-secondary plans are to attend college. There will be concentration on the following topics: sampling and experimental design, descriptive statistics, basic probability, single sample and two sample confidence intervals and hypothesis testing for means, proportions, and regression parameters, and correlation. Spreadsheet software will be utilized.

Student Evaluation: homework, quizzes, tests, exam, class projects
Fees: none – supplies as needed, graph paper and graphing calculator (recommended TI-83 Plus, TI-83 Plus Silver Edition, TI-84 Plus or TI-84 Plus Silver Edition)

## CALCULUS WITH ANALYTIC GEOMETRY

Credit: 1.0 Length: all year Grade: 12
Pre-requisites: Pre-Calculus with a grade of C- or above
College Credit Plus: Student with at least a 3.0 CUM GPA and a qualifying Compass Test score may elect to take this course for 5 semester credit hours with Owens Community College. However, students may elect to take the course for high school credit only. Students who fail to earn a "C" grade or higher or withdraw after the posted deadline will be responsible for the cost of the course.

This CALCULUS WITH ANALYTIC GEOMETRY course is for the student who has demonstrated a high level of interest and ability in previous mathematics courses. This ANALYTIC GEOMETRY portion of the course is a study of lines and conic sections with practical application of these topics. The CALCULUS portion of the course is a study of functions, limits, differential calculus, integration, number theory with mathematical induction, complex numbers, and formal logic.

Student Evaluation: homework, quizzes, tests, exams, notebook
Fees: none – supplies as needed, graph paper and graphing calculator (recommended TI-83 Plus, TI-83 Plus Silver Edition, TI-84 Plus, TI-84 Plus Silver Edition)

# 12. MUSIC

## CONCERT BAND

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: participation in grade 8 band and/or consent of the instructor

Students in the CONERT BAND program will continue to improve upon the performance skills learned in the Middle School by learning music as an art form, by improving their technical playing and musicianship skills, and by participating in a worthwhile educational, social, and community activity.

Band members are required to attend all rehearsals and performances. Participation is required in Concert Band or Wind Ensemble in order to participate in other related band activities (i.e. Marching Band, Pep Band, Jazz Band, Solo & Ensemble) unless the student plays an instrument that is not normally used in the Band (i.e. piano, guitar, bass). Students must meet academic eligibility requirements in order to participate in extra-curricular band activities.

Student Evaluation: live and recorded playing assessments, written assignments, citizenship responsibilities, and attendance at all rehearsals and performances. Please note that there are several required after school rehearsals and performances for this course.
Fees: $20.00 – sheet music, concert black dress attire, uniform cleaning, personal uniform parts, personal instrument maintenance and supplies, and school instrumental maintenance. School instrument rental fees are paid separately at $15 per half year and $30 per full year.

## WIND ENSEMBLE

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: participation in Concert Band for one year, an audition, and/or consent of the instructor

The WIND ENSEMBLE is an advanced instrumental ensemble reserved for students who display the highest levels of musicianship. Students are admitted by an audition on their primary instrument and will continue to learn advanced instrumental performance techniques. They will continue learning about music at an advanced level by studying it as an art form, by improving their technical playing and musicianship skills, and by participating in a worthwhile educational, social, and community activity.

Band members are required to attend all rehearsals and performances. Participation is required in Concert Band or Wind Ensemble in order to participate in other related band activities (i.e. Marching Band, Pep Band, Jazz Band, Solo & Ensemble) unless the student plays an instrument that is not normally used in the Band (i.e. piano, guitar, bass). Students must meet academic eligibility requirements in order to participate in extra-curricular band activities.

Student Evaluation: live and recorded playing assessments, written assignments, citizenship responsibilities, and attendance at all rehearsals and performances. Please note that there are several required after school rehearsals and performances with this course.
Fees: $20.00 – sheet music, concert black dress attire, uniform cleaning, personal uniform parts, personal instrument maintenance and supplies, and school instrument maintenance. School instrument rental fees are paid separately at $15 per half year and $30 per full year.

## WOMEN'S CHORUS

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: participation in choir the previous school year, or consent of the instructor

WOMEN'S CHORUS is a combination of both entry and intermediate level female singers. This performance group is designed to develop proper vocal and performance technique, as well as sight reading and ear-training skills. Students meet every day during the school week, and all members are required to be at rehearsals as well as performances. This ensemble may include choreography for some of the selections performed at Pop Concert. Students must also meet eligibility requirements in order to participate in extracurricular choir activities.

Student Evaluation: attendance, performance at choir concerts, daily performance and participation, written tests, small group singing assessments, Smart Music exercises/assessments, and sight singing tests
Fees: $15.00 – robe maintenance & music

## MEN'S CHORUS

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: participation in choir the previous school year, or consent of the instructor

MEN'S CHORUS is a combination of both entry and intermediate level male singers. This performance group is designed to develop proper vocal and performance technique, as well as sight-reading and ear-training skills. Students meet every day during the school week, and all members are required to be at rehearsals as well as performances. This ensemble may include choreography for some of the selections performed at Pop Concert. Students must also meet eligibility requirements in order to participate in extracurricular choir activities.

Student Evaluation: attendance, performance at choir concerts, daily performance and participation, written tests, small group singing assessments, Smart Music exercises/assessments and sight singing tests
Fees: $15.00 – robe maintenance & music

## A CAPPELLA CHOIR

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: audition in the spring of the previous school year

Students will audition for this ensemble in the spring of the previous school year. The written audition will test students on their knowledge of music theory, and the vocal audition will test students on their overall vocal ability and sight reading skills. Students meet every day during the school week, and all members are required to be at rehearsals and performances. This choir performs advanced literature and is reserved for only those students with the highest level of musicianship. This ensemble may include choreography for some of the selections performed at Pop Concert. Students must also meet eligibility requirements in order to participate in extra-curricular activities.

Student Evaluation: attendance, performance at choir concerts, daily performance and participation, written tests, small group singing assessments, Smart Music exercises/assessments, and sight singing tests
Fees: $15.00 – robe maintenance & music

## KALEIDOSCOPE

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: participation in choir, audition in the spring of the previous year

KALEIDOSCOPE (Clyde High School's contemporary a cappella group) is an SATB co-curricular ensemble that is selected through a rigorous vocal audition process in the spring of the previous year. Members of Kaleidoscope will learn challenging music to be performed a cappella. Students must have a GPA of at least 2.0 to be eligible to audition, participate, and perform with Kaleidoscope.

Student Evaluation: attendance, performance at choir concerts, daily performance and participation, written tests, quartet singing, Smart Music exercises/assessments, and sight singing tests
Fees: $20.00 – music arrangements

## MUSIC THEORY

Credit: .5 Length: 2nd semester Grades: 10, 11, 12
Pre-requisites: participation in a vocal or instrumental ensemble, or consent of the instructor

Through MUSIC THEORY study, analysis, and composition, the student will attain a deeper knowledge and appreciation of music. The student will be able to identify basic symbols of music notation and organize them in a meaningful way, and write a harmony to a basic melody. The student will use the skills learned in this course to show better musicianship in the performing ensembles and solo experiences that are available both at CHS and the community. It will also give the student who wishes to pursue music as a career, the basic foundation needed to be successful in formal music training at the college level.

Student Evaluation: homework, listening activities, quizzes, in-class participation, and projects
Fees: $15.00 – workbook fee

## MUSIC PERSPECTIVES

Credit: .5 Length: 1st semester Grades: 9, 10, 11, 12
Pre-requisites: none

Students taking MUSIC PERSPECTIVES will gain an understanding and appreciation for all genres of music (classical to pop). Students will also learn about opera and musical theater. In addition, the class will dive into the core of each genre researched and understand how diverse every genre is within itself.

Student Evaluation: homework, listening activities, quizzes, in-class participation, and projects
Fees: none

# 13. PHYSICAL EDUCATION & HEALTH

## HEALTH

Credit: .5 Length: one semester Grade: required 9
Pre-requisites: none

HEALTH is the physical, psychological, social, and emotional well-being of the individual. In health education, subjects such as nutrition, mental and emotional health, drug and tobacco education, positive aspects of exercise, safety and first aid, consumer health, communicable diseases and AIDS are studied. Students will demonstrate a basic understanding of CPR principles.

Student Evaluation: homework, quizzes, tests, exam, notebook
Fees: none

## PERFORMANCE NUTRITION

Credit: .5 Length: one semester Grades: 9, 10, 11, 12
Pre-requisites: Health

PERFORMANCE NUTRITION will provide an in-depth analysis of the 6 essential nutrients. Students will learn the function of the Macro/Micronutrients, and their importance to everyday lifestyles. The goal is to provide students with a strong nutritional background that will enhance performance, and increase chance to live healthy, and productive life. Fad diets, calorie counting, performance activities, and making nutritional recipes are some of the regular scheduled lessons.

Student Evaluation: short quizzes, tests, labs, presentations
Fees: $10.00

## PHYSICAL EDUCATION

Credit: .25 Length: one semester Grades: required 9, 10
Pre-requisites: none

PHYSICAL EDUCATION is required for one semester during each of the freshmen and sophomore years. Students are exposed to and tested on a program of physical conditioning. Students are exposed to the rules and playing of a large variety of team sports. Emphasis is placed on several lifetime sports and lifetime fitness activities. Physical education grades are based on a combination of class participation, athletic ability, good health habits, and knowledge of the rules of the various activities.

Student Evaluation: quizzes, class participation, physical fitness tests and fitness trails
Fees: students are required to purchase their own combination lock

# 14. SCIENCE

## AGRICULTURAL LIFE SCIENCES

Credit: 1.0 Length: all year Grades: 9, 10
Pre-requisites: 11 & 12 grade students must have the instructor's permission

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

Student Evaluation: Students will be evaluated on weekly activities that emphasize the specific lessons taught throughout the week. Application style questions are part of the course and students are required to keep a notebook which can be used as a resource on all activities and exams. FFA involvement is encouraged and participation points are counted as extra credit. Home projects are a component of the program and will evaluated each semester. Students will take a web exam when course content is complete.
Fees: All students one-time fee of $20.00 for FFA dues includes Local, State and National and one-time fee of $5.00 for AET online records fee. A lab fee to cover expenses of the hydroponics lab and the seed starts, the cost of metal, hardware, welding supplies, safety apparel, gas products and consumable supplies like wire, fittings, and solder.

## AGRICULTURAL PHYSICAL SCIENCES

Credit: 1.0 Length: all year Grades: 9, 10
Pre-requisites: 11 & 12 grade students must have the instructor's permission

AGRICULTURAL PHYSICAL SCIENCES students will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Students will examine fundamentals of resource development, agriculture sustainability, energy needs and pollution control. They will analyze and interpret data gathered from studies on the ecosystem. Throughout this course, students will develop responses to environmental problems and develop management strategies for responsible conservation and resource development.

Student Evaluation: Students will be evaluated on weekly activities that emphasize the specific lessons taught throughout the week. Application style questions are part of the course and students are required to keep a notebook which can be used as a resource on all activities and exams. FFA involvement is encouraged and participation points are counted as extra credit. Home projects are a component of this program and will be evaluated. Upon completion of the course a web exam will be taken.
Fees: All students one-time fee of $20.00 for FFA dues includes Local, State and National and one-time fee of $5.00 for AET online records fee. There is a $25.00 lab fee to cover cost of wood project, the cost of metal, hardware, welding supplies, safety apparel, gas products, and consumable supplies like wire, fittings and solder.

## LIFE SCIENCE

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: none

This LIFE SCIENCE course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquiry-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real world applications. Laboratory exercises and dissections are included in this course. This course is for the student NOT planning on attending college.

Student Evaluation: homework, quizzes, tests, exams, labs
Fees: $15.00

## BIOLOGY

Credit: 1.0 Length: all year Grades: 9, 10, 11, 12
Pre-requisites: Middle School teacher recommendation

This BIOLOGY course investigates the composition, diversity, complexity and interconnectedness of life on Earth. Fundamental concepts of heredity and evolution provide a framework through inquire-based instruction to explore the living world, the physical environment and the interactions within and between them. Students engage in investigations to understand and explain the behavior of living things in a variety of scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. Laboratory exercises and dissections are included in this course. This is recommended for the college bound student.

Student Evaluation: homework, quizzes, tests, exams, labs
Fees: $5.00

## PHYSICAL SCIENCE

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: Life Science

PHYSICAL SCIENCE introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion. A unified understanding of phenomena in physical, living, Earth and space systems is the culmination of all previously learned concepts related to chemistry, physics, and Earth and space science, along with historical perspective and mathematical reasoning.

Student Evaluation: homework, quizzes, tests, exams, labs
Fees: $5.00

## ENVIRONMENTAL SCIENCE

Credit: 1.0 Length: all year Grades: 11, 12
Pre-requisites: none

ENVIRONMENTAL SCIENCE incorporates biology, chemistry, physics and physical geology and introduces students to key concepts, principles and theories within environmental science. Investigations are used to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate

scientific reasoning, analysis, communication skills, and real-world applications. It should be noted that there are classroom examples in the model curriculum that can be developed to meet multiple sections of the syllabus, so one well-planned long-term project can be used to teach multiple topics.

Student Evaluation: homework, quizzes, tests, exams, labs
Fees: lab supplies

## PHYSICAL CHEMISTRY

Credit: 1.0 Length: all year Grades: 10, 11, 12
Pre-requisites: Algebra I ("C" or better in science and math), permission of instructor for grade 9

PHYSICAL CHEMISTRY introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. Physical science comprises the systematic study of the physical world as it relates to fundamental concepts about matter, energy and motion. A unified understanding of phenomena in physical, living, Earth and space systems is the culmination of all previously learned concepts related to chemistry, physics, and Earth and space science, along with historical perspective and mathematical reasoning. This course is for the student planning on attending college.

Student Evaluation: homework, quizzes, tests, exam, labs
Fees: $15.00

## HUMAN PHYSIOLOGY and ANATOMY

Credit: 1.0 Length: 1ST semester Grades: 11, 12
Pre-requisites: Physical Chemistry, must meet college test requirements
College Credit Plus: student who fail to earn a passing grade may be responsible for the cost of the course.

HUMAN PHYSIOLOGY AND ANATOMY places emphasis on the biochemical reactions of the human organism. The structure and function of all systems in the body are covered. The health risks associated with current behavior and societal issues will be discussed. Laboratory exercises and dissections are included in this course.

Student Evaluation: homework, quizzes, tests, exam, work sheets, labs (including cat dissection)
Fees: $21.00

## CHEMISTRY II

Credit: 1.0 Length: all year Grades: 11, 12
Pre-requisites: Physical Chemistry

CHEMISTRY II is a continuation of Physical Chemistry. It includes a review of Physical Chemistry while taking the student to a higher level of skill and understanding. This class will go beyond Physical Chemistry to do more in-depth coverage of organic and inorganic chemistry. Contemporary issues in science will be discussed.

Student Evaluation: homework, quizzes, tests, exam, labs and projects
Fees: $15.00

### PHYSICS/Terra (PHY1070 – 3 hrs.)

Credit: 1.0 Length: 2nd semester Grades: 11, 12
Pre-requisites: Physical Chemistry, Algebra I and II; must meet college test requirements
College Credit Plus: students who fail to earn a passing grade may be responsible for the cost of the course.

PHYSICS elaborates on the study of the key concepts of motion, forces and energy as they relate to increasingly complex systems and applications that will provide a foundation for further study in science and scientific literacy. Students engage in investigations to understand and explain motion, forces and energy in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications.

Student Evaluation: homework, quizzes, tests, exam, labs and projects
Fees: $15.00

# 15. SOCIAL STUDIES

### AMERICAN HISTORY

Credit: 1.0 Length: all year Grade: required 10
Pre-requisites: none

AMERICAN HISTORY is a study of the United States from the time of America's discovery to the present, with an emphasis on the 20th Century. Economics, geography, philosophy, and political science are parts of the historical study. Students will learn about their heritage and understand the diverse people and happenings that combined to create the present-day United States.

Student Evaluation: homework, quizzes, tests, exam, term paper
Fees: none

### PSYCHOLOGY/Terra (PSY1210 – 3 hrs.)

Credit: 1.0 Length: one semester Grades: 11, 12
Pre-requisites: must meet college test requirements
College Credit Plus: students who fail to earn a passing grade may be responsible for the cost of the course

Introduction into PSYCHOLOGY is a behavioral science, including historical background, human development (genetic and physical) from birth through death, the senses and perception, intelligence and creativity, and the principles of conditioning, learning, memory, and forgetting.

Student Evaluation: homework, quizzes, tests, exam, research project, class participation
Fees: none

### SOCIOLOGY/Terra (SOC2010 – 3 hrs.)

Credit: 1.0 Length: one semester Grade: 11, 12
Pre-requisites: must meet college test requirements
College Credit Plus: students who fail to earn a passing grade may be responsible for the cost of the course.

Principles of SOCIOLOGY is the basic concepts of sociological study, elements of social life, social patterns and institutions, and the process of maintenance and change in society.

Student Evaluation: homework, quizzes, tests, exam, research project, class participation
Fees: none

## WORLD HISTORY

Credit: 1.0 Length: all year Grade: 9
Pre-requisites: none

This WORLD HISTORY course will primarily focus on the modern era of history. Students will examine the development of civilization over the past four hundred years, and how this has impacted the modern world. Areas of focus will be political, economic and diplomatic history to include events such as industrialization, colonization, the World Wars, and the Cold War.

Student Evaluation: homework, quizzes, tests, exam, current events
Fees: none

## AMERICAN GOVERNMENT/ECONOMICS

Credit: 1.0 Length: all year Grade: required 11
Pre-requisites: none

AMERICAN GOVERNMENT is a study of federal, state, and local governments in the United States. Students will study the Constitution of the United States and discover how government influences their living. The federal government of the United States will be compared and contrasted with other major forms of government in the world. Current events will be discussed in relation to the various levels of government. ECONOMICS is the study of how goods, services and resources are produced and distributed in society. This economics course will focus mainly on the operation of the U.S. economy. Students will learn basic economic concepts and apply those concepts to current events to understand how our economy works. The main emphasis of this class will be on critical thinking and applying concepts to practical situations.

Student Evaluation: homework, quizzes, tests, exam, written papers, group activities
Fees: none

## CONTEMPORARY GLOBAL ISSUES/Owens
## (GOV 207/Ohio Transfer Module – 3 hrs.)

Credit: 1.0 Length: one semester Grades: 9, 10, 11, 12
Pre-requisites: none
College Credit Plus: students who fail to earn a passing grade may be responsible for the cost of the course.

CONTEMPORARY GLOBAL ISSUES will examine the international system and how it operates. Specific focus will be placed on the interaction of nation-states, international organizations (such as the UN) and non-state actors (such as terrorist groups). The course will seek to explain not only how different actors behave in the international system, but also why they act in the manner that they do. Specific topics will include conflict, genocide, human rights, environmental issues and the international economy. This is a one semester course that earns three hours of college credit through Owens Community College. This is not an online course; all lessons and assignments will be taught and graded here at Clyde High School.

Student Evaluation: assignments, test, simulation grades, internet activities and research paper
Fees: none

## WESTERN CIVILIZATION I/Terra (HIS1010 – 3 hrs.)

Credit: 1.0 Length: 1st semester Grades: 11, 12
Pre-requisites: must meet college test requirements
College Credit Plus: students who fail to earn a passing grade may be responsible for the cost of the course.

WESTERN CIVILIZATION I since 1500 course, focuses on the social, political, religious, economic, and cultural experiences of Europeans from approximately 1500 to contemporary times. Students learn the historical process, tracing themes through time and noting important connections among them. In addition, they will work with primary and secondary sources to complete at least one written project designed to develop critical thinking skills and reinforce the historical process. History readily lends itself to an interdisciplinary approach; therefore, student should receive a variety of world-views experienced through a number of disciplines. This is a writing intensive course.

Student Evaluation: assignments, test, simulation grades, internet activities and research paper
Fees: none

## WESTERN CIVILIZATION II/Terra (HIS1020 – 3 hrs.)

Credit: 1.0 Length: 2nd semester Grades: 11, 12
Pre-requisites: "C" or better in Government or recommendation by instructor
College Credit Plus: students who fail to earn a passing grade may be responsible for the cost of the course.

WESTERN CIVILIZATION II students will study the history of the major world civilizations. For each, they will learn about the origins, their contributions, and reasons for their collapse. A key component of the course will be to discover areas of similarity or overlap amount the various civilizations studied. This is a writing intensive course.

Student Evaluation: assignments, test, simulation grades, internet activities and research paper
Fees: none

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