

# LIBERTY UNION HIGH SCHOOL



## PROGRAM OF STUDIES

# 2018-2019

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## **LIBERTY UNION-THURSTON HIGH SCHOOL PHILOSOPHY**

It is the goal of the Liberty Union-Thurston High School to provide opportunities for each student to learn and grow to the best of his/her ability in knowledge, skills, and attitudes required for responsible citizenship, economic productivity, and personal fulfillment.

### **OBJECTIVES**

**1. Fundamental Skills:**

To develop an understanding and working knowledge in the areas of math, reading, language arts, natural and social sciences.

**2. Social Skills:**

To develop the ability to make sound moral and ethical decisions, as well as the ability to interact effectively with others.

**3. Expansive Opportunity:**

To provide students with a wide range of educational opportunities and experiences.

### **THE EDUCATIONAL OBJECTIVES Of LIBERTY UNION-THURSTON HIGH SCHOOL**

It is the aim of educators at Liberty Union-Thurston High School to develop within each student:

**AN UNDERSTANDING OF AND APPRECIATION FOR:**

- \*our American democracy
- \*people and cultures of the world
- \*management of natural resources

**A MASTERY OF SKILLS:**

- \*in reading, writing, speaking and listening
- \*in mathematics, science and social studies
- \*in logical reasoning essential for interaction within our society
- \*in artistic ability and creative expression

**THE DESIRE:**

- \*to be tolerant and respectful of the rights and worth of all people
- \*for good physical health habits and a concern for public health and safety
- \*to achieve and to take pride in progress

**A CONSCIOUS ATTITUDE:**

- \*of positive self- worth, security, self-assurance and self-understanding

## **SCHEDULING INFORMATION**

This booklet has been prepared and issued so that you may become more familiar with the Liberty Union-Thurston High School scheduling procedures. Read the following carefully.

1. Since teacher and class assignments for next year will be determined by the subjects you select now and all scheduling information must be submitted to the Data Center in April, schedule changes will be permitted on a limited basis.
2. Two factors have a bearing on Liberty Union-Thurston curricular offerings of elective subjects. Lack of a sufficient number of interested students to warrant scheduling, or the inability to secure a properly certified teacher for the subject could result in the course being withdrawn from the offerings.
3. Discuss your proposed program with your parents, teachers and counselor.
4. The counselor will assist you in properly completing your registration forms.
5. It is the responsibility of each student to check their schedule upon receipt. If for some reason the schedule is inaccurate or incomplete, it should be reported to the counselor.
6. Any student planning to participate in an extracurricular activity must be registered for and pass at least 5 credits each grading period.
7. Full student schedule is at least 6 (six) classes per semester.

## **SCHEDULE CHANGES**

After May, changes in students' course selections will be made according to the following rules:

1. Requests for schedule changes must be made in consultation with the school counselor.
2. Approval for change may be authorized by the counselor according to the following criteria:
  - A. errors made by school personnel.
  - B. credit needed for graduation.
  - C. teacher requests for students in a special subject.
  - D. required course omitted.
  - E. does not have five and one-half basic units.
  - F. senior's post high school education plan makes course change necessary.
  - G. misunderstanding at the time of registration.
  - H. reasons of health.
  - I. other extenuating circumstances.
3. Changes will be made with parental permission only.
4. A student not satisfied with the counselor's decision may have the parent submit a written request for reconsideration to the principal.

## PROGRAMS

As a comprehensive high school, Liberty Union-Thurston recognizes the obligation to strive toward meeting the needs of students with varying interests and abilities. This effort is made by offering a broad selection of courses and programs of study. The following listed programs are available to our students beyond the general course offerings:

**COLLEGE CREDIT PLUS** - College Credit Plus can help you earn college and high school credits at the same time by taking college courses from community colleges or universities (online, onsite at Liberty Union, or on college campus).

**COLLEGE PREPARATORY** - Courses which prepare students for college entrance. Major emphasis is placed on math, science and language skills.

**SPECIAL EDUCATION** – Modified general education program in addition to inclusion in designated courses.

**CAREER/TECHNICAL EDUCATION** - Courses with a concentration in Agriculture. Further in-depth vocational instruction is possible by acceptance into a Career/Technical Program. (see page 6)

## DEFINITIONS

**CREDIT** - unit of measure granted for successful completion of coursework. Credit is earned and accumulated on a semester basis.

**REQUIRED SUBJECT** - a subject considered necessary for graduation by the Ohio State Department of Education and/or the Liberty Union-Thurston Board of Education.

**ELECTIVE SUBJECT** - a subject in which the student wishes to enroll but is not a basic requirement for graduation.

**PREREQUISITE** - a subject that is required for admission to another subject. The establishment of such prerequisites seeks to assure reasonable success in advanced course selections.

## EXTRA CURRICULAR ACTIVITIES

A wide range of extra-curricular activities are available to Liberty Union-Thurston High School students. Involvement in such activities is encouraged. Active participation in such activities is recognized as an important segment of the high school student's education. Formal studies balanced with extra-curricular activities can best serve the physical, social, and intellectual needs of students. However, prudent judgment should be exercised when determining the number of activities a student selects. To be eligible to participate in these activities students must be registered for and passing five (5) credits each grading period.

## **EASTLAND AND FAIRFIELD CAREER/TECHNICAL SCHOOLS**

Students planning to attend Career/Technical School as juniors and seniors should complete the following courses by the end of the tenth grade. A total of at least 11 credits should be earned during the first two years of high school.

English	2.0 credits
Mathematics	2.0 credits
Social Studies	2.0 credits
Science	2.0 credits
Physical Ed.	0.50 credit
Health	0.50 credit
Electives	1.5 credits

Transportation for all students is supplied by the Liberty Union-Thurston Board of Education. Eastland-Fairfield Career/Technical Schools are for students who have the interest and the ability to profit from courses in career education. There is no tuition charge for career center students other than fees similar to those normally found in the high school. The primary purpose of the Career Centers is to prepare students for employment as skilled workers. However, graduates may enter post high school training in technical schools or colleges.

Eastland and Fairfield's school day consists of four periods in the lab or shop course selected, two periods in theory related to the program and two periods in meeting academic requirements for graduation from the participating school. Upon completion of a program, every effort is made to aid the student in job placement, apprenticeship training, military service, college entrance or other appropriate selection.

The Career/Technical Schools are an educational extension of Liberty Union-Thurston local school system. Our students who elect to attend the Career/Technical Schools remain enrolled in and graduate from Liberty Union-Thurston High School. If all requirements are met, the student receives the Liberty Union-Thurston diploma as well as a vocational certificate. Liberty Union-Thurston eleventh and twelfth grade students who demonstrate the ability and interest may apply to attend. To enter a program, application is made during the sophomore year. The school counselor has the necessary application forms. Interested Liberty Union-Thurston students should indicate their interest to the school counselor early in their high school career. Program literature is available in the Guidance Office.

## HONOR ROLL

Honor Roll will be established after each grading period.

A "**Distinguished Honor Roll**" will honor any student who has all A's for the nine week grading period. Students who take AP courses could have a 4.0 and not receive this honor due to the fact that a B, using the weighted grade scale, will give you a 4.0.

"**Superior Honor Roll**" will honor any student who has a GPA of 3.99 to 3.50 for the nine week grading period.

"**Excellent Honor Roll**" will honor any student who carries at least a 3.000 to a 3.499 GPA for the nine week grading period.

## VALEDICTORIAN POLICY

Beginning with the Graduating Class of 2018, the selection of Valedictorian(s) and Salutatorian(s) is determined at the conclusion of the last grading period of the twelfth grade. The student who achieves the highest grade point average on the specified coursework will be selected as Valedictorian. The student who achieves the second highest grade point average will be selected as Salutatorian. After Valedictorian and Salutatorian, Academic Honors Awards will be given for students achieving grade point averages of 3.30 or higher.

### VALEDICTORIAN & SALUTATORIAN MINIMUM REQUIRED COURSEWORK

- 4 Units of English/Language Arts
- 4 Units of Math, including Algebra 1, Algebra 2, and Geometry
- 4 Units of Science
- 4 Units of Social Studies
- 3 Units of one or 2 Units of two Foreign Languages
- 5 Units of Electives which must include 1 Unit of Career Tech Education and 1 Unit of Fine Arts
  - High school level courses completed in middle school for high school credit can be used to meet the coursework minimum requirements

### GRADING SCALE

All coursework accepted for credit and assigned a grade of A, B, C, D, or F will be included in the computation of grade point average. Any coursework accepted for credit and assigned a grade of P will not be used in the calculation of grade point average.

The LUT 4-Point grading scale will be utilized, with the exception of Advanced Placement and College Credit Plus coursework which receives an addition 1.0 quality point for final grades of C or better. College Credit Plus coursework will follow the grading scale of the credit granting institution.

The maximum number of weighted courses used in the Grade Point Average calculation is limited to the number of weighted courses (AP and/or College Credit Plus) opportunities offered on

site at Liberty Union-Thurston High School.

<b>4-Point Grading Scale Quality Point Assignment</b>	<b>Advanced Placement and College Credit Plus Quality Point Assignment</b>
A = 4 B = 3 C = 2 D = 1 F = 0	A = 5 B = 4 C = 3 D = 1 F = 0

### **ACADEMIC HONORS AWARDS**

After Valedictorian and Salutatorian, Academic Honors Awards will be given for students meeting the same minimum required coursework and achieving grade point averages of 3.30 or higher.

- Academic Honors for 3.30 - 3.7499
- Summa Cum Laude for 3.75 - 4.00
- Distinguished Honors for over 4.00

### **ELIGIBILITY**

Students who are completing their fourth year of high school and have completed at least twelve (12) units of the required coursework credits at Liberty Union-Thurston High School are eligible for Valedictorian and Salutatorian.

### **SPECIAL CIRCUMSTANCES**

In the event of a tie for highest or second highest grade point average in the required coursework for Valedictorian and Salutatorian, other factors will be considered for selection. Other factors in order of priority include:

Score on ACT

Score on SAT

Score on Ohio's State Tests (English/Language Arts and Math)

## NATIONAL HONOR SOCIETY MEMBERSHIP

**Membership:** Selection for the membership is based upon scholarship, leadership, character, and service.

**Scholarship:** In order to qualify for consideration by the National Honor Society Faculty Selection Council for membership, juniors and seniors must have a cumulative grade point average of 3.50 in academic subjects through the first semester of their junior/senior year respectively.

**Leadership, Character, and Service:** After qualifying scholastically, the candidate is rated by the teachers, counselors, and sponsors of school activities. Students must demonstrate outstanding leadership in class and activities outside of class. Their character should be impeccable and include no cases of academic dishonesty. After these teachers rate the candidate, according to leadership and character, the National Honor Society Faculty Selection Council determines his/her election to membership. The National Honor Society Advisor(s) works with the selection committee, but is not a voting member. Students selected will be inducted at a ceremony open to the public.

Selection to the National Honor Society is strictly a faculty honor. Reasons for non-selection will not be given to students or parents. Selection to membership is a privilege, not a right. The decision of the faculty selection committee is final and not subject to any form of appeal. Unsuccessful junior candidates will be reconsidered during their senior year. A student may be dismissed from the National Honor Society if he/she does not maintain the standards by which he/she was selected or if he/she does not fulfill all obligations to the National Honor Society.

## GRADUATION REQUIREMENTS

The minimum course credit requirements for graduation from Liberty Union Thurston High School are as follows:

Coursework Area	Credits
English	4
Math	4
Science	3
Social Studies	3
Specified Elective: Health	1/2
Specified Elective: PE	1/2
Other Electives	7
<b>Totals</b>	<b>22</b>

## GRADUATION REQUIREMENT NOTES:

1 Mathematics units must include one unit of algebra II or the equivalent of algebra II. Exceptions: a) Algebra II is not a requirement for students following a career-technical pathway. However, students still must have four units in mathematics, and b) A family may decide that their child is not prepared to meet the graduation requirement for a higher level math course. Or, their child may be planning a career that does not require higher level math. Algebra II may not be a requirement for this student. Here is more information on Curriculum Choices.

2 Physical education - School districts may adopt a policy that would exempt students who participate in interscholastic athletics, marching band or cheerleading for two full seasons or an approved Junior Reserve Officer Training Corps (JROTC) program for two years from the physical education requirement. Students must take another course, which cannot be a physical education course, of at least 60 contact hours.

3 Science units must include one unit of physical sciences, one unit of life sciences and one unit of advanced study in one or more of the following sciences: chemistry, physics or other physical science; advanced biology or other life science; astronomy, physical geology or other earth or space science.

4 Social studies units must include  $\frac{1}{2}$  unit of American history and  $\frac{1}{2}$  unit of American government in three units required for the classes of 2018 and 2019. The class of 2021 will need  $\frac{1}{2}$  unit in world history and civilizations in their required three units as well as American history and American government.

5 Elective 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.

6 Other state requirements - All students must receive instruction in economics and financial literacy during grades 9-12 and must complete at least two semesters of fine arts taken any time in grades 7-12. Fine arts is not a requirement for students following a career-technical pathway.

**\*The required 1.0 Fine Arts credit may be completed during any of the 4 years. It may be met by a visual arts course or a performing arts course. Different combinations of requirements may be selected depending on student preference and scheduling availability.**

In addition to the course requirements, Liberty Union Thurston High School students must meet state testing requirements as follows:

### **Class of 2018 and Beyond**

Earn a minimum of 18 points from scores on End of Course Exams. Scores range from:

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

End of Course Exams are offered in: English 1, English 2, Algebra 1, Geometry, Biology, American History, American Government

### **EARLY GRADUATION**

The Liberty Union-Thurston High School has been established, staffed, financed and maintained as a four-year sequential high school for all students. Only in the best interests of the social, physical, emotional and intellectual well-being of the student, as recommended by a committee, will less than a four-year program be approved.

In order to be considered for early graduation, the student's parent(s) must forward a written request for such consideration by the end of the first semester of his/her sophomore year to the high school principal. Upon receipt of the written request, the principal will convene an evaluation (acceleration) committee of: the principal, a current teacher of the student, parent(s), and gifted coordinator and/or guidance counselor.

This committee will evaluate the student's past academic performance, measures of achievement based upon State academic content standards, and status of completion of graduation requirements. The committee will approve or disapprove the early graduation request. If approved, a transition (acceleration) plan will be created, designed to allow the student to complete all graduation requirements by the student. Early graduation is contingent upon the completion of all State and local graduation requirements by the student, as outlined in the transition (acceleration) plan. If the early graduation request is denied by the committee, the parent(s) may appeal the decision to the superintendent. The superintendent's decision is final.

Students approved for early graduation will be considered as 12th graders for their entire final year and are entitled to the rank and privileges of the senior class.

## **GUIDANCE AND COUNSELING SERVICES**

The various guidance services are designed to assist the student in making the most of his/her abilities and opportunities. The counselor, as well as teachers and administrators, will gladly confer with any student and parents concerning achievement, progress, and study habits in each subject area in order that the student may attain a sound understanding of the subject. In addition to academic counseling, students may seek advice in regard to vocational interests or other issues.

## **SCHEDULE CHANGES/REQUIREMENTS**

Students are not permitted to transfer subjects, add a new subject, or drop a subject after the third week of school unless approved by the building principal or counselor.

## **HONORS DIPLOMA**

Depending on whether a student is completing a college preparatory or career-technical education curriculum, honors diploma requirements differ slightly. The student must meet the requirements for the regular diploma plus criteria for honors listed below.

The student who completes the college preparatory curriculum in high school must meet any seven of the following eight criteria:

- a) Four units of English
- b) Four units of mathematics that include Algebra 1, Algebra 2, and Geometry or equivalent and another higher level course or complete a four-year sequence of courses that contain equivalent content
- c) Four units of science that include Advanced Sciences
- d) Four units of social studies
- e) Either three units of one foreign language or two units each of two foreign languages
- f) One unit of fine arts
- g) Maintain an overall high school grade point average of at least 3.5 or higher on a

Four-point scale.

- h) Obtain a composite score of 27 on the American College Testing (ACT) tests or 1210 composite score on the Scholastic Assessment Tests (SAT) [excluding scores from the writing sections]\*
  - Writing sections of either standardized test should not be included in the calculation of the score.

## **ACADEMIC TESTING**

### **THE PSAT/NMSQT**

The **PRELIMINARY SCHOLASTIC APTITUDE TEST / NATIONAL MERIT SCHOLARSHIP QUALIFYING TEST** is administered in October. Taking the test in the junior year is the first step necessary to enter the scholarship programs administered by the National Merit Scholarship Corporation (NMSC). Juniors who plan to go to college are urged to take this test, and it measures the academic skills necessary for success in college. The test consists of verbal and mathematics sections. Black students who wish to participate in the National Achievement Scholarship Program for outstanding black students must take this test. This test is given on a Tuesday or Saturday in October and a fee is charged to cover the cost of the test.

### **THE COLLEGE BOARD TESTING PROGRAM (SAT)**

SAT exams and Achievement Tests are administered by the College Board and are required by many colleges for admission. They include the scholastic aptitude test (SAT) and 13 achievement tests in academic subjects. The scholastic aptitude test consists of verbal and mathematical sections. Seniors may take the SAT in November, December, January, or March. Juniors who wish to take the SAT should take it in May or June. The achievement tests measure what has been learned in specific subject areas. Generally, colleges require three achievement tests usually including English. Seniors usually take achievement tests in November. Juniors can take achievement tests in May if they finish a subject such as a language or science and wish to have a score available. **Bulletins of information and registration forms are available in the Guidance Office.**

### **THE AMERICAN COLLEGE TESTING PROGRAM (ACT)**

The ACT exam is used by many colleges for admission. It consists of four tests, each averaging 45 minutes in length; English, mathematics, reading, and science reasoning. The individual test items in all areas are designed to measure ability to perform the kind of complex intellectual tasks that college students typically have to perform. These examinations are given in October, December, February, April and June. College bound juniors should take ACT in April or June. **Bulletins of information and registration forms are available in the Guidance Office.**

## **EXPLANATION OF CREDITS**

**0.25 – 0.625 are semester courses**

**1.0 – 1.25 are full year courses**

# COURSE DESCRIPTIONS

## ENGLISH

### **ENGLISH 9 (011)**

Grade Level 9

1.0 Credit

English 9 is a required course for all ninth grade students. Based on Ohio's Learning Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text. Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts and narratives. Using the full writing process, students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. The course is supported through various literary genre studies.

### **ADVANCED ENGLISH 9 (012)**

Grade Level 9

1.0 Credit

**Prerequisite: *Course Placement Information For Advanced or AP English Courses form***

The accelerated course is for the exceptional student and is characterized by an accelerated rate and greater depth of study. Advanced English 9 is a course for advanced language arts ninth grade students. Based on Ohio's Learning Standards, this course provides students with the skills and knowledge to become critical readers and writers by analyzing key ideas and details, craft and structure, and the integration of knowledge and ideas in literature and informational text. Students will develop their writing skills by examining text types and purposes and by writing arguments, explanatory/informational texts, and narratives. Using the full writing process, students will learn how to produce and distribute quality writing using technology's capacity to produce, publish, and share writing products. Students will conduct short research projects and will participate in a range of collaborative discussions integrating multiple sources of information. This course will advance students' knowledge of the conventions of Standard English and will strengthen vocabulary acquisition and use. The course is supported through various literary genre studies. Students will be required to complete summer reading and writing assignments as a demonstration that the student is seriously motivated to be part of this class.

### **ENGLISH 10 (022)**

Grade Level 10

1.0 Credit

**Prerequisite: *Successful completion of English 9***

World Literature is the focus of the sophomore English program utilizing Ohio's Learning Standards. A global view of literature will be explored through drama, novels, short stories, poetry, and nonfiction selections. Students will experience research, oral presentation, and analytical responses to literature. Students will also focus on persuasive writing and will complete a research project. Oral language lessons will be used to reinforce grammar and writing skills. Additional vocabulary development will help prepare students for college placement tests, state standardized tests and to enhance personal growth.

**ADVANCED ENGLISH 10 (023)**

Grade Level 10

1.0 Credit

**Prerequisite: *Course Placement Information For Advanced or AP English Courses form***

This course is a fast-paced, multi layered class demanding a strong work ethic on the part of the student and should be considered in addition to the prerequisite. World Literature is the focus of the sophomore English program utilizing Ohio's Learning Standards. A global view of literature will be explored through drama, novels, short stories, poetry, and nonfiction selections. Students will experience research, oral presentation, and analytical responses to literature. Students will also focus on persuasive writing and will complete a research project. Oral language lessons will be used to reinforce grammar and writing skills. Additional vocabulary development will help prepare students for college placement tests, state standardized tests and to enhance personal growth. Students will be required to complete summer reading and writing assignments as a demonstration that the student is seriously motivated to be part of this class.

**FUNDAMENTALS OF ENGLISH & WRITING (048)**

Grade Level 10-12

1.0

Credit

\*This is a credit recovery course for a previous English failure.

Writing skills, including narrative, informative, and persuasive styles will be developed; effective workplace writing to produce persuasive, usable resumes, letters, memos, reports, and other professional documents will also be a focus. Reading skills are assessed and developed in this course, involving intensive and extensive reading and scanning and skimming as well.

**ENGLISH 11 (033)**

Grade Level 11

1.0 Credit

**Prerequisite: *Successful completion of English 10***

The works of important American writers will be the focus of the junior English program. Students will read and analyze selected poems, short stories, drama, and novels organized by themes and literary time period. A variety of writing experiences will be integrated including persuasive, literary analysis, and expository writing. Students will be required to complete a research paper and project. Additional vocabulary development will help prepare students for college placement tests and to enhance personal growth.

**AP LANGUAGE AND COMPOSITION (049)** Grade Level 11-12

1.0 Credit

**Prerequisite: *Course Placement Information For Advanced or AP English Courses form***

Students in this introductory college-level course become more aware of the influence of rhetoric in the world around them, and they develop their own style of writing and speaking using their understanding of such strategies. Writing is the essence of this course, with students writing extensively using a variety of development methods. In addition, the course is designed around fundamental concepts and readings that require analysis and discussion, both written and verbal. Entering students should enjoy reading and analyzing prose; should have already mastered the fundamentals of grammar and usage; and they should have the ability to write well-developed, organized, coherent, and intelligent papers. The workload is demanding, making time management an essential skill. Students will be required to complete summer reading and writing assignments as a demonstration that the student is seriously motivated to be part of this class. Students are expected to take the AP exam in May (fee added to student account). This course is a gifted service for those students identified as gifted. Students will have the opportunity to earn college English credit.

**ENGLISH 12 (044)**

Grade Level 12

1.0 Credit

**Prerequisite: *Successful completion of English 11***

This course covers many of the major authors and works in British literature including *Beowulf*, *The Canterbury Tales*, legends of King Arthur, and the plays of William Shakespeare. Students develop skills in literary analysis and expository and persuasive writing. Proper essay form and citation of literary types of all genres is stressed.

**AP LITERATURE AND COMPOSITION (051)** Grade Level (12)

1.0 Credit

**Prerequisite: *Course Placement Information For Advanced or AP English Courses form***

AP Literature and Composition engages college-bound juniors and seniors in the careful reading and critical analysis of classic and contemporary literature. The course focuses on the development of critical reading skills, as well as mature writing technique. Writing assignments will focus on the critical analysis of literature, including expository, analytical and argumentative essays. A seminar format stresses class participation and presentation, as well as student management of long-range assignments. Students will be required to complete summer reading and writing assignments as a demonstration that the student is seriously motivated to be part of this class. Students are expected to take the AP exam in May (fee added to student account). This course is a gifted service for those students identified as gifted. Students will have the opportunity to earn college English credit.

# **SOCIAL STUDIES**

## **WORLD HISTORY (125)**

Grade Level 9

1.0 Credit

This is a general social studies course that will emphasize geography, culture, economics, government, and the contemporary history of world regions. These regions include: Africa, South Asia, Southeast Asia, East Asia, Australia and Oceania, Latin America, the Middle East, and Europe. The course will concentrate on various cultural, social, religious, economic, and political aspects of each world region and their effects upon today's world. Contemporary world issues such as trade, the environment, and the problems of developing nations are examined and discussed. Required of all 9th grade students.

## **ADVANCED WORLD HISTORY (126)**

Grade Level 9

1.0 Credit

**Prerequisite: *Recommendation of Middle School Staff and State Assessments***

The goal of this course is to move at a much faster pace and cover more material with more detail than in world history.

## **AMERICAN HISTORY (127)**

Grade Level 10

1.0 Credit

This is a social studies course that focuses on the United States in the 20th Century. There will be a general review of America's history from the nation's beginning through the late 1800's. America will then be studied through five major themes: (1) Values, the American quest for a just and orderly society, (2) Economics, how technology is changing the way Americans earn their living, (3) American Culture, how we have evolved from many cultures around the world, (4) American Government, the focus on representative democracy, equality under the law, and how rights and freedoms have been expanded, and (5) America's role in a Global Community, which includes the U.S. relationship with other nations in the 21st Century.

## **ADVANCED AMERICAN HISTORY (128)**

Grade Level 10

1.0 Credit

**Prerequisite: *Teacher recommendation and End of Course Assessments***

The Advanced American History class is designed for students to examine the history of the United States and its people through political, economic and social change. The goal of this course is to introduce the student to the critical thinking skills one will need to succeed in AP History. Students will read the text and outside primary resources, specifically various historical documents, that will aid in enhancing critical thinking skills while analyzing the history of the United States. Students will also be required to form strong opinions based on practical historical knowledge and express their opinion via formal writing assignments including critical essays. Students will gain the skills of not just knowing history but how to analyze the trends of the past and how they affect the political, economic, and social landscapes that shape today's world.

**AP US HISTORY (129)**

Grade Level 11-12

1.0 Credit

**Prerequisite: *Successful completion of American History, World History, End of Course Assessments AND Instructor Permission***

This is a full year introductory college course in United States History on the period from European explorations of the Americas to the present. The course includes a study of the various political institutions and their behavior, public policy, social and economic change, diplomacy and international relations, as well as cultural and intellectual developments. Students will study a variety of historical documents and be expected to use this historical evidence to write position papers on the many issues that will be examined. Students completing the AP History course will participate in the AP History Examination administered by the College Board. Students who achieve a grade of 3 or higher on the AP History Examination will be eligible to receive credit for an equivalent college history course. Weighted grades will be used in this course (A=5 points, B=4 points, etc.). This course is a gifted service for those students identified as gifted. There is a fee for this course of \$86.00, which covers the cost of the exam.

**HISTORY THROUGH FILM (124)**

Grade Level 11-12

1.0

Credit

This course examines historically oriented motion pictures as both primary and secondary sources of information about the past. It starts from the premise that the content in films, as with written sources, can (and should) be critically analyzed for its perspectives, interpretive choices, biases, and reliability. The course examines the relative successes or failures that major films have had in portraying the past, and analyzes how present events, cultures and attitudes shape our view of the past as well as the way films and characters are used to symbolically represent key events and turning points in history. As historians we typically analyze and use traditional primary and secondary sources (e.g., historical documents and scholarly articles and monographs); it is possible and helpful to apply many of those same skills (and much of the same skepticism) to our approaches to non-traditional sources, such as these films.

**PSYCHOLOGY (158)**

Grade Level 11-12

.50 Credit

A social science that deals with the many facets of the human mind and how individuals cognitively, rather consciously or subconsciously, deals with the many issues in our society. Students will also look at a variety of work from re-known psychologists, who have over the years shaped this field of knowledge. Students will be asked to engage in lab practicums that attempt to apply the knowledge and theories learned from these social scientists.

**SOCIOLOGY (160)**

Grade Level 11-12

.50 Credit

Sociology will analyze the multifaceted issues that face Americans as we continue to move through the 21<sup>st</sup> century. Students will be given a variety of lessons in basic sociology concepts, as well as staying abreast of current issues that affect the time period we live in.

**AMERICAN GOVERNMENT AND PRINCIPLES OF ECONOMICS (169)** Grade Level 11

1.0

Credit

Students will take one semester of American Government and one semester of Economics. Students will study American Government with an emphasis on the historical background of our political system, the three branches of government, and the U.S. Constitution. The study of economics will focus on developing strong consumer skills so students can make informed decisions concerning their finances. Time will be spent discussing basic economic theory.

## **SCIENCE**

### **PHYSICAL SCIENCE (221)**

Grade Level 9

1.0 Credit

Physical Science will focus on introductory principles of Chemistry, Physics and Earth Science. This course is intended to give students a solid foundation in the physical sciences needed to meet Ohio Learning Standards in Science. There is a lab fee for this course.

### **ADVANCED PHYSICAL SCIENCE (227)**

Grade Level 9

1.0 Credit

#### ***Prerequisite: Recommendation of Middle School Staff and State Assessments***

Physical Science will focus on introductory principles of Chemistry, Physics and Earth Science. Additional opportunities such as the integration of mathematics, physics, and chemistry will provide a challenging, in-depth view of science. This course is intended to give students a solid foundation in the physical sciences needed to meet Ohio Learning Standards in Science. There is a lab fee for this course.

### **BIOLOGY (222)**

Grade Level 10

1.0 Credit

#### ***Prerequisite: Physical Science***

Biology stresses the structure and function of living things and their relationships to one another and the environment. Students will develop their own investigations, will plan hand-on activities, and will explore biology both in the molecular and structural realms. There is a lab fee for this course.

### **EARTH SCIENCE (214)**

Grade Level 11-12

1.0 Credit

#### ***Prerequisite: Physical Science and Biology***

Students taking earth science will investigate how matter and energy interact in the interior and on the surface of the Earth, along with Earth's oceans and atmosphere, and its place in the solar system. Students will learn about volcanoes, earthquakes, and plate tectonics; river systems and oceans, land-use planning, meteorology, and astronomy. Laboratory activities are incorporated into the course on a regular basis. There is a lab fee for this course.

### **ANATOMY PHYSIOLOGY (224)**

Grade Level 11-12

1.0 Credit

#### ***Prerequisite: Biology and Chemistry***

Advanced Biology is the study of human physiology and comparative anatomy. A college level text is used to study the structure and function of the human body. A detailed dissection of a cat is a required part of the course. Students are evaluated by their performance on essay tests, laboratory exams, and other written assignments. Students pursuing careers in the biological sciences should consider this class. There is a lab fee and a workbook for this course.

### **CHEMISTRY (235)**

Grade Level 10-12

1.0 Credit

**Prerequisite: *Algebra 1, Biology and concurrent enrollment in Algebra 2 or higher***

Chemistry is a science that deals with the composition and interaction of matter. Detailed investigations of several fundamental principles are conducted and many more concepts are handled in an introductory manner. An aptitude for algebra is very helpful. This course is taught with laboratory periods and requires the writing of reports over laboratory work. There is a lab fee for this course.

**ADVANCED CHEMISTRY (237)**

Grade Level 10-11

1.0 Credit

**Prerequisite: *Advanced Biology and/or recommendation of science and math instructors, completion or concurrent enrollment in Algebra 2 or higher***

Advanced Chemistry covers the same topics as Chemistry, but at a deeper level and with more emphasis on solving chemical problems with mathematics. This course is highly recommended for all students considering careers in the physical sciences, engineering, medicine or computer science. This course is taught with laboratory periods and requires the writing of reports from laboratory work. There is a lab fee for this course.

**PHYSICS (242)**

Grade Level 11-12

1.0 Credit

**Prerequisite: *Algebra 2 Completed***

Physics deals with the transformation of energy. It deals with a wide range of topics such as motion, light, sound and heat. Much of the coursework includes application to real world situations. It is a general preparation for those who plan to pursue post-secondary educational experiences. The course will include some experimental design and analysis and will include projects. There is a lab fee for this course.

## **MATHEMATICS**

***Students are not permitted to take math classes out of sequence.***

**APPLIED ALGEBRA 1 (320)** Grade Level 9 1.0 Credit  
Applied Algebra I will include the fundamentals of Algebra with basic trigonometry. Learning standards from pre-algebra will be included, as a precursor to the introduction of algebra concepts. Thus, students will be able to apply these ideas to algebraic and geometric models.

**ALGEBRA 1 (331)** Grade Level 9 1.0 Credit  
Usually taken at the freshman level. The science of mathematics uses fundamental processes with unknown and directed numbers in equations and inequalities. It is related to the sciences, engineering and various other fields.

**GEOMETRY (342)** Grade Level 9-10 1.0 Credit  
**Prerequisite: *Algebra 1***  
Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. The Mathematical Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Calculator is required. End of year summative test is given for sophomores in Geometry.

**ADVANCED GEOMETRY (344)** Grade Level 9 1.0 Credit  
**Prerequisite: *Pre AP Algebra 1 and teacher permission and End of Course Assessments***  
The goal of this course is to move at a much faster pace and cover more material with more detail than in geometry.

**ALGEBRA 2 (332)** Grade Level 10-12 1.0 Credit  
**Prerequisite: *Algebra 1 and Geometry***  
Algebra 2 begins with a review of Algebra 1. Such topics as functions, polynomials, radicals, irrational numbers, exponents, and logarithms are covered. There is emphasis on equation solving and its application to the solution of word problems. This course should be considered necessary for the college-bound student.

**ADVANCED ALGEBRA 2 (334)** Grade Level 10-11 1.0 Credit  
**Prerequisite: *Pre AP Geometry or instructor permission and End of Course Assessments***

This class is intended for top ability and highly motivated mathematics students. The aim of this course is to cover as much material as possible and gain a deep understanding of the principles of mathematics and how they are related to each other and real world phenomenon. Problems will be covered with more detail than in Algebra 2. Both Algebra 2 classes will meet college entrance requirements. A TI-84 Plus Silver Edition calculator is highly recommended for this course.

**BUSINESS MATHEMATICS (371)**

Grade Level 11-12

1.0 Credit

**Prerequisite: *Successful completion of Algebra 2***

Students develop the skills necessary to solve mathematical problems, analyze and interpret data, and apply sound decision-making skills in business. Students will manage policy and strategy for corporate budgeting, investment, and financial planning. They will calculate profitability, predict business success and the likelihood of failure, and compare business performance within and across industries. Students will also develop and track the achievement of financial goals. They will determine how to balance risk with return and select strategies for recovering from risky situations and disasters. Technology, employability skills, leadership and communications will be incorporated in classroom activities. Content will be based on National Business Education Association (NBEA) content standards. **Prerequisite: Successful completion of Algebra 2**

**TRANSITION TO COLLEGE MATHEMATICS**

Grade Level 11-12

1.0 Credit

**Prerequisite: *Successful completion of Algebra 2***

A course designed for students in grades 11-12 making a transition to a college preparatory program. The content is from the high school portion of the New Learning Standards for Mathematics, both new and previously addressed topics with increasing emphasis on symbol manipulation and mathematical structure.

**CCP COLLEGE ALGEBRA**

Grade Level 11-12

1.0 Credit

**Prerequisite: *Successful completion of Algebra 2 AND meet CCP qualifications***

Topics include radicals and rational exponents, equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, and systems of equations. A graphing calculator is required.

**CCP STATISTICS**

Grade Level 11-12

1.0 Credit

**Prerequisite: *Successful completion of CCP College Algebra AND meet CCP qualifications***

Equips student with understanding of statistical concepts dealing with the processing and interpretation of numerical information. Basic statistical applications including measures of central tendencies and variations, probability, sampling, hypothesis testing, and correlation analysis will be studied. A scientific or graphing calculator is required.

## **FOREIGN LANGUAGE**

*A student must have three years of the same foreign language in order to complete the foreign language requirement for those seeking the Honors Diploma.*

### **SPANISH 1 (095)**

Grade Level 9-12

1.0 Credit

Spanish 1 is an introduction to Spanish through dialogues and grammar. Correct pronunciation is aided by CD's and videos of native Spanish speakers. The course will concentrate on the basic grammar skills with special emphasis on vocabulary (comprehension and spelling) and basic verb conjugations. Some geography and Spanish culture are also included. Participation in the target language is a course expectation. There is a workbook fee for this course.

### **SPANISH 2 (096)**

Grade Level 10-12

1.0 Credit

**Prerequisite: *Spanish 1 with an 75% or higher and/or teacher recommendation***

Spanish 2 is a continuation of the grammar and vocabulary learned in Spanish 1 with more emphasis on learning the grammatical structures of the language. More vocabulary is introduced, as well as additional verb tenses. There is a greater concentration on reading, writing, and speaking. Culture continues to be a part of the Spanish language study. Participation in the target language is a course expectation. There is a workbook fee for this course.

### **SPANISH 3 (098)**

Grade Level 11-12

1.0 Credit

**Prerequisite: *Spanish 2 with a 75% or higher and/or teacher recommendation***

Spanish 3 is designed to improve and expand the skills of reading, writing, listening, and speaking. Students will read short stories and dialogues. Students will continue to learn vocabulary and grammatical constructions, emphasizing reading and writing skills. Spanish culture and history will be discussed. Participation in the target language is a course expectation. There is a workbook fee for this course.

### **SPANISH 4 (099)**

Grade Level 12

1.0 Credit

**Prerequisite: *Spanish 3 with a 75% or higher and/or teacher recommendation***

Spanish 4 gives advanced language students further opportunities to develop verbal and written skills. Students read selected materials in the target language express their thoughts verbally and in writing, and they continue to learn new vocabulary. Grammar continues to be important and is reviewed regularly. Students will learn about Spanish artists and literary figures. Much of the fourth year Spanish is done through individualized instruction, research and projects. Participation in the target language is a course expectation. There is a workbook fee for this course.

## **FINE ARTS**

### **INTRODUCTION TO ART (700)**

Grade Level 9-12

1.0 Credit

Students will gain a broad understanding of art techniques and art history by creating expressive artworks and completing studies of famous artists and cultures. Careers and jobs supported by the arts will be introduced. Students will study and apply the elements and principles of design and use a wide variety of mediums. Basic fundamentals of drawing and painting will be introduced and students are given the opportunity to hone their strongest skill sets and interests. Students will complete creative artworks, written projects, research, and maintain all supplies and studio space. Participation in class critiques are expected. Projects are evaluated based upon craftsmanship, effort, use of materials and proper technique and studio cleanliness. Students are required to bring a sketchbook, pencil and eraser to every class. Google classroom will be utilized.

### **ART II**

Grade Level 9-12

1.0 Credit

***Prerequisite: Successful completion of Art I and teacher recommendation***

Students will expand upon the Elements of Art and the Principles of Design in 2D media with emphasis on drawing and painting. Use of a broad range of materials to include, but not limited to graphite, charcoal, watercolor, acrylic, printmaking and inks. This course will expose students to a variety of artists, styles and movements, and art vocabulary while building dialogue to critically analyze their work and the work of others. Students are required to bring a sketchbook, pencil and eraser to every class. Google classroom will be utilized.

### **CERAMICS I**

Grade Level 9-12

1.0 Credit

***Prerequisite: Successful completion of Art I and teacher recommendation***

Ceramics I is an introductory course covering the basic handbuilding procedures and wheel-thrown techniques. A variety of both utilitarian and non-utilitarian projects will be constructed. Students will also engage in fundamental glazing and electric firing techniques. All projects will include exposure to tools, techniques and vocabulary. Art history, aesthetics and art criticism will be incorporated throughout the course. Students will examine cultural connections throughout ceramics history and study artisans, past and present, that are involved in the ceramic process. Upon completion of the course, students will exhibit competency in clay construction and design principles, understanding of ceramic vocabulary, skilled craftsmanship, the ability to evaluate ceramic art forms, and the ability to identify career opportunities associated with ceramics. Students are responsible for maintaining studio cleanliness and proper handling of supplies.

Students are required to bring a sketchbook, pencil and eraser to every class. Google classroom will be utilized. Grades are based upon craftsmanship, creativity, effort, participation and studio maintenance.

**CERAMICS II**

Grade Level 9-12

1.0 Credit

***Prerequisite: Successful completion Ceramics I and teacher recommendation***

This class is designed to engage students in more advanced ceramic techniques and projects. Students will develop and enhance skills learned in the Ceramics I class, as well as refine and experiment with new materials and techniques. The students will be taught how to create functional and decorative pieces using various types of clay. They will also learn the technical skills involved in creating sculptures from clay, while encouraging their own creativity through structured assignments that leave room for personal expression and creativity. It is expected that some projects incorporate other mediums to create mixed media art. Students are expected to participate in critiques and complete some written assignments rooted in ceramic art history. Students are required to bring a sketchbook, pencil and eraser to every class. Google classroom will be utilized.

**MIXED MEDIA ARTS**

Grade Level 9-12

1.0 Credit

***Prerequisite: Successful completion of Art I and teacher recommendation***

This course will offer in-depth exploration of techniques and new ways to see, use, and interpret found objects. Students will create multi-directional compositions with a variety of materials, paint, images, found objects, and dry materials. Techniques will include collage, monotype printing, drawing, painting, mixing, assemblage, cutting, and pasting, etc. This course is designed to give students a wide variety of art making experiences and allows students to continue to explore various visual art forms and techniques through the elements and principles of art and design. Students will produce original artworks and learn skills and techniques associated with a variety of art media. Emphasis will be placed on the elements of art and design with an emphasis on color, mood, texture and composition. Students will develop technical skills and personal style. Students explore the world of relief. A combination of two and three dimension arts will be applied. Both traditional and non-traditional approaches are taught. Many projects may include ordinary objects that can be transformed into creative works of art. Students are required to bring a sketchbook, pencil and eraser to every class. Google classroom will be utilized.

**SCULPTURE**

Grade Level 9-12

1.0 Credit

***Prerequisite: Successful completion of Art I and teacher recommendation***

Sculpture class will develop the perception of space by exploring how sculpture interacts with the surrounding environment. This course offers students a visual arts experience in three-dimensional design by manipulating materials such as, but not limited to, clay, paper, wire, plaster, mosaic, found objects and wood. Students will investigate the properties of 3-D media and build skills unique to each media. Individual creativity will be stressed and students will also be involved in the planning, revising, and reflection processes. Students are required to bring a sketchbook, pencil and eraser to every class. Google classroom will be utilized.

**SYMPHONIC CHOIR (850)**

Grade Level 9-12

1.0 Credit

Symphonic Choir students will be required to perform in fall, winter, and spring concerts. Students will also be required to perform in district contests and other community performances throughout the school year. The grade for this class will be based on proper singing technique, quizzes, tests, attendance, and classroom participation. Attendance is mandatory for all performances, as well as

rehearsals and will directly affect grades. A uniform will be required for all performances.

**HIGH SCHOOL CHORALE (851)**                      Grade Level 9-12    1.0 Credit

***Prerequisite: Members will be selected based on auditions in the spring***

Chorale is a competitive, auditioned group. Students are expected to have a high work ethic, an advance singing technique, and music reading skills. Students will be required to perform in fall, winter, and spring concerts. Students will also be required to perform in district contests and other community performances throughout the school year. The grade for this class will be based on proper singing technique, quizzes, tests, attendance, and classroom participation. Attendance is mandatory for all performances, as well as rehearsals and will directly affect grades. A uniform will be required for all performances.

**BEGINNING PIANO CLASS (852)**                      Grades 9-12    .50 Credit

This course is designed for students who wish to develop basic piano playing skills or expand on their existing skills. Time in class will be spent both on and off the keyboards. While playing, students will be working individually and in small groups to master the techniques of playing and to learn pieces. There will also be time spent in group instruction on musical notation and theory.

**PIANO 2 (9-12)**    Grade Level 9-12    1.0 Credit

***Prerequisites: Successful completion of Beginning Piano and Teacher Permission.***

This course is designed for students who wish to expand on their existing skills. Time in class will be spent both on and off the keyboards. While playing, students will be working individually and in small groups to master the techniques of playing and to learn pieces. There will also be time spent in group instruction on musical notation and theory.

**MUSIC THEORY (888)**    Grade Level 9-12    .50 Credit

***Students should be able to read and write musical notation, and it is strongly recommended that the student has acquired at least basic performance skills in voice or on an instrument.***

The Music Theory course covers topics such as musicianship, theory, musical materials, and procedures. Musicianship skills including dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the course. Through the course, students develop the ability to recognize, understand, and describe basic materials and processes of music that are heard or presented in a score. Development of aural skills and understanding how music is structured is a primary objective. Performance is also part of the learning process. Students understand basic concepts and terminology by listening to and performing a wide variety of music. Notation skills, speed, and fluency with basic materials are emphasized.

**HIGH SCHOOL BAND (863)**    Grade Level 9-12    1.0 Credit

***Prerequisite: Experience on a musical instrument and permission of band director***

The marching band performs for football games, parades, community events, and several competitions throughout the summer and fall. Summer rehearsals and band camp are required to perform with this group. At the conclusion of football season, students will audition for chair

placement in concert band based on playing ability. Concert band performs at several concerts each year, in addition to OMEA adjudicated events.

## **HEALTH/PHYSICAL EDUCATION**

**GENERAL PHYSICAL EDUCATION (914)**                      Grade Level 9- 12                      .25 Credit

In General Physical Education, emphasis is placed on teaching skills necessary to perform adequately in lifelong activities. These activities will range from cardiovascular training to team and individual sports to leisure activities. Through physical education, we strive to develop the student mentally, physically and socially. \*\*2 seasons of varsity sport/band/color guard will waive physical education graduation requirement

**HEALTH (915)**    Grade Level 9- 12                      .50 Credit

The objectives set forth in the one semester senior high health course are to bring about the interaction of the social, emotional, mental and physical being. This interaction is brought about through teacher lecture, student research, student participation, resource materials, videos, and community resources.

**WEIGHTS, CONDITIONING AND NUTRITION (919)**                      Grade Level 9- 12                      1.0 Credit

Athletic Weight Training is a functional activity based course. The Athletic Weight Training class is designed to provide an opportunity during the school day for **athletes** to participate in a structured strength and athletic enhancement program that will not interfere with after school activities, jobs, or homework.

**NUTRITION (920)**    Grade Level 10-12                      .50 Credit

**Prerequisite: *Successful completion of Health***

This is course will use principles of nutrition to ensure a healthy body throughout the lifecycle and emphasizes relationships of nutrients to health, fitness, and athletic performance. Topics include basic dietary constituents, principles of body function, considerations for disease prevention and management, dietary regulation, dietary myths, food safety and weight management. The course will also focus on planning and preparing meals with an understanding of nutrients and their benefits, portion control and dietary needs. Additional information will include steroid and supplemental use, body weight and management and the implementation of physical activity to maintain a healthy lifestyle.

## **AGRICULTURAL SCIENCE**

### **AG, FOOD & NATURAL RESOURCES (631)**

Grade Level 9-12

1.25 Credit

This first course in the career field is an introduction to Agricultural and Environmental Systems. Students will be introduced to the scope of the Agricultural and Environmental Systems career field. They will examine principles of food science, natural resource management, animal science & management, plant & horticultural science, power technology and bioscience. 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.

### **ANIMAL & PLANT SCIENCE (632)**

Grade Level 10-12

1.25 Credit

**Prerequisite:** *Second year agriculture education students*

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

### **MECHANICAL PRINCIPLES (635)**

Grade Level 11-12

1.25 Credit

**Prerequisite:** *Juniors and Seniors who have completed 2 years of agriculture courses*

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

### **CAPSTONE: AG. & INDUSTRIAL POWER (636)**

Grade Level 12

1.25 Credit

**Prerequisite:** *Completion of Mechanical Principles*

Students will learn the breadth of the Agricultural and Industrial Power Technology pathway. Students will learn the principles of power technology equipment systems, which will include electronic and electrical systems, engines and fuels, hydraulic systems and powertrain components. Additionally, students will learn to safely operate and maintain machinery and equipment along with the principles of welding and metal fabrication.

### **GREENHOUSE & NURSERY MANAGEMENT (642)**

Grade Level 11

1.25 Credit

**Prerequisite:** *Third year agriculture education students*

Students will learn the operational practices needed for the successful growth of nursery stock and/or greenhouse plants. They will learn essential greenhouse practices including water and fertilizer

distribution, lighting, ventilation and temperature control. Students will learn pest and disease identification and control along with bio-security practices. Students will demonstrate knowledge of propagation methods, plant health, nutrition, and growth stimulation. Throughout this course, business and employability skills will be emphasized.

**ANIMAL & PLANT BIOTECHNOLOGY (643)**

Grade Level 12

1.25 Credit

**Prerequisite:** *Fourth year agriculture education students*

Learners will apply principles of chemistry, microbiology and genetics to plant and animal research and product development. Students will apply genetic principles to determine genotypes and phenotypes. Students will describe the parts and functions of animal and plant cells and their importance in biochemistry. They will perform restrictive enzyme digests, Polymerase Chain Reactions and apply principles of nucleic acid blotting. This course will examine applications of Central Dogma Theory and other Molecular-Genetics Technologies.

**FORESTRY AND WOODLAND ECOSYSTEMS (Woodworking)** Grade Level 9-12 1.25 Credit

Students will apply principles of botany, dendrology and silviculture to the management of forests and forest ecosystems. They will apply principles of timber cruising with surveying and mapping techniques to take forest measurements. Learners will develop the knowledge and skills necessary for forest reforestation, timber stand improvement, timber harvesting and forest product utilization. Learners will operate and maintain forestry equipment, apply fire management practices, and understand related regulations, laws, and policy issues.

**AGRI BUSINESS WOODWORKING (646)**

Grade Level 11-12

1.25 Credit

**Prerequisites:** *Successful completion of AFNR and/or Industrial Arts*

Students will examine 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 in the woodworking industry. Students 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.

**ANIMAL ANATOMY AND PHYSIOLOGY (647)**

Grade Level 11-12

1.25 Credit

**Prerequisite:** *Third/Fourth year agriculture education students*

Students will examine the structure and function of the major organ systems as well as the function and principle of blood flow in animals. Students will study internal and external anatomical parts, their functions, and will investigate the relationship among these parts and systems within the body of animal. Throughout the course, students will apply the internal functions of anatomical structures to the business and industry principles of the animal industry.

***NOTE: All agriculture students are required to join the FFA organization and will be required to pay FFA dues, in addition to class fees. The FFA program is a youth organization which allows students to learn leadership skills needed in today's society. Students will also be required to carry a supervised project outside of class to put skills and concepts learned in***

## **ELECTIVES**

### **YEARBOOK (001)**

Grade Level 10-12

1.0 Credit

Students will share in the responsibility for designing, producing and raising money to support the publication of the yearbook. Students will learn to utilize desktop publishing software, do photography, paste-up and page layout. Marketing skills will be developed in securing funding from advertising and other sources. Prerequisite: students must demonstrate basic typing, computer skills and submit an application.

### **ACT PREP & COLLEGE VOCABULARY (050)**

Grade Level 11-12

1.0 Credit

In this course students will be actively involved in ACT preparation, including understanding the test format, test-taking vocabulary, and the strategies for successfully taking the test. This course will be taught through a combination of the English, Math, and Science Departments. College-level vocabulary will be addressed as well. Composition assignments will mirror those on the ACT, such as writing arguments to support claims in an analysis of substantive topics or texts, using valid reasoning and relevant and sufficient evidence; and writing informative/explanatory texts to examine and convey complex ideas, concepts, and information clearly and accurately through the effective selection, organization, and analysis of content; the successful completion of college applications and scholarships will also be undertaken.

### **BUSINESS AND FINANCIAL FOUNDATIONS (500)**

Grade Level 9-12

1.0 Credit

This is the first course for the Business and Administrative Services, Finance and Marketing career fields. It introduces students to specializations within the three career fields. Students will obtain knowledge and skills in fundamental business activities. They will acquire knowledge of business processes, economics and business relationships. Students will use technology to synthesize and share business information. Employability skills, leadership and communications and personal financial literacy will be addressed. Students will also focus on Finance. It introduces students to the specializations offered in the career field. Students will obtain fundamental knowledge and skills in accounting, banking services, corporate finance, insurance, and securities and investments. They will acquire knowledge of financial analysis and application, business law and ethics, economics, international business and business relationships. Knowledge management and information technology will be emphasized. Employability skills, leadership and communications will be incorporated in classroom activities.

### **FRESHMAN ACADEMY (710)**

Grade Level 9

.50 Credit

Semester class modeled after the *Freshman Seminar* curriculum created by Johns Hopkins University. Course and curriculum are based within 7 Units: Orientation, Study Skills, Careers, Post-Secondary Decisions, Human Relations, Technology and Final Portfolio. The majority of the work is project and portfolio based assessment.

**BUSINESS/PERSONAL LAW (506)**

Grade Level 10-12

.50 Credit

Addresses statutes and regulations affecting businesses, families and individuals in their related roles. Content should be based on National Business Education Association (NBEA) content standards.

**FINANCIAL & MANAGERIAL ACCOUNTING (502)**

Grade Level 10-12

1.0 Credit

Students will also track, record, summarize, and report a business's financial transactions. They will develop financial documents, project future income and expenses, and evaluate the accuracy of a business's financial information. Students will also apply tools, strategies, and systems to evaluate a company's financial performance and monitor the use of financial resources. Technology, employability skills, leadership and communications will be incorporated in classroom activities. Students will also use financial information to make strategic business decisions. They will monitor business profitability, measure the cost-effectiveness of expenditures, prepare budget and forecast reports, and set achievable business financial goals. Students will also use critical information on financial documents to determine risks to short-term and long-term business success. Technology, employability skills, leadership and communications will be incorporated in classroom activities.

**BUSINESS PUBLIC SPEAKING (504)**

Grade Level 10-12

.50 Credit

This class is a practical course designed to offer the novice speaker a number of opportunities to organize and prepare public speaking assignments. Students will master the oral and written communication skills essential to interacting effectively with people in the workplace and society, and the course will also offer a platform where the speaker can actually stand in front of an audience and deliver performance. In addition to public speaking, further performance opportunities may be included in the area of public oral reading. Students will learn about the role of communication in our lives, the communication model, spatial relationships, delivery styles, and the effectiveness of language, gestures, and organization techniques.

**BUSINESS PUBLIC SPEAKING (504)**

Grade Level 10-12

.50 Credit

This class is a practical course designed to offer the novice speaker a number of opportunities to organize and prepare public speaking assignments. Students will master the oral and written communication skills essential to interacting effectively with people in the workplace and society, and the course will also offer a platform where the speaker can actually stand in front of an audience and deliver performance. In addition to public speaking, further performance opportunities may be included in the area of public oral reading. Students will learn about the role of communication in our lives, the communication model, spatial relationships, delivery styles, and the effectiveness of language, gestures, and organization techniques.

**BUSINESS MEDIA COMMUNICATION (507)**

Grade Level 10-12

1.00 Credit

Preparation for careers that inform, remind, and/or persuade a target audience including advertising, public relations, and multimedia marketing communications. This course includes a review and evaluation of various media and auxiliary industries, such as journalism, radio, television, film, recordings, advertising, and public relations. Covers laws and regulations, ethics, and politics related to media communications. This is a project-based course that develops student understanding and skills in such areas as communications, emotional intelligence, self-management, operations and professional development. Projects can include production of daily announcements, management of school/community delivery systems, and creation of school assemblies and programs.

**HELP DESK PROGRAM (503)**                      Grade Level 10-12                      .50 Credit

The tech shop students will be Tier 1 support for students and staff members. They will learn how to troubleshoot, computer networking, IP Addressing, different network protocols including the IOS Model, how to install applications, develop people skills, critical thinking, manage and inventory system and time management. Develop critical skills such as organizational, time management, customer service, and problem solving. This course is designed for those considering a career in technology.

**INDEPENDENT STUDY**                      Grade Level 9-12                      .50- 1.00 Credit

***\*All independent studies must be arranged with your teacher and approved by Guidance Dept.***

Independent study projects arranged through individual instructors. Students and teachers develop jointly a project in a selected field of study with the teacher's approval, the scope of the project is defined and a credit value of one-half or one unit is assigned. A schedule of student-teacher conferences is developed and progress recorded.

**SERVICE LEARNING (999)**                      Grade Level 11, 12                      .50 Credit

**\*Community Service**

A Liberty Union High School student has the opportunity to earn 0.500 credit per semester completing a community service project. This project will appear on his/her transcript as "Community Service Project" and the project is graded as a (P) Pass/(F) Failure for final Grade.

**CREDIT FLEXIBILITY**                      Grade Level 9- 12                      Varied Credit

***\*All credit flexibility studies must be arranged and approved by the Guidance Counselor***

Credit may be earned based upon a demonstrated subject area competency instead of or in combination with completing hours of classroom instruction.

**VIRTUAL HIGH SCHOOL**                      Grade Level 9-12                      Varied Credit

Online electives are available through our online partner, Florida Virtual. Examples of full year classes offered: Journalism, Global Studies, Foundations in Programming, and Latin. Semester classes available are Life Management Skills and Reading For College Success.

\*List of all courses available in the guidance office.

[www.ohiomeansjobs.com](http://www.ohiomeansjobs.com) is a free Self: Career/Educational Exploration Tool that can be used by both the student and the parents. Directions for this tool are easy to follow, and it is useful for assisting the student in creating an educational plan, career exploration, and future job/career opportunities in many career/job areas.

**CAREER/TECHNICAL**  
**MINIMUM COURSE REQUIREMENTS**

**GRADE 9**

English 9  
Algebra 1  
Physical Science  
World History  
PE/Health  
Elective(s)

**GRADE 10**

English 10  
Geometry  
Biology  
American History  
Elective(s)

**GRADE 11**

English 11  
Algebra 2  
Am Gov. /Economics  
Science  
Elective(s)

**GRADE 12**

English 12  
Math  
Elective(s)

*\*The required 1.0 Fine Arts credit may be completed in any of the 4 years. Note: A Fine Arts credit is not required for students attending the Career Centers, and students enrolled in their 3<sup>rd</sup> Agricultural Science Courses.*

**COLLEGE PREPARATORY**  
**MINIMUM COURSE REQUIREMENTS**

**GRADE 9**

English 9/Advanced  
Alg. 1/ Geometry  
Physical Science/ Biology  
World History  
PE/Health  
Foreign Language  
Elective(s)

**GRADE 10**

English 10/Advanced  
Geometry/Alg. 2  
Chemistry/Biology  
Foreign Language  
American History  
Elective(s)

**GRADE 11**

English 11/AP Lang.  
Alg. 2/Geometry/Transition/CCP  
Chemistry/Anatomy  
AP Am History  
Foreign Language  
Am Gov./Economics

**GRADE 12**

English 12/AP Lit.  
Transition/Business Math / CCP  
Alg. 2/Statistic Mathematics  
Physics / Anatomy  
Foreign Language  
4<sup>th</sup> Social Studies

\*The required 1.0 Fine Arts credit may be completed during any of the 4 years. It may be met by a visual arts course or a performing arts course. Different combinations of requirements may be selected depending on student preference and scheduling availability.

## **MY FOUR YEAR PLAN**

You are encouraged to develop a tentative plan for your four-year program. You will find that planning for a four-year program with your parents and teachers will provide you a more rewarding learning experience. **Use the chart below to map out your ideas for courses before scheduling online.**

### **Graduation Requirements – 22 Credits**

- English – 4 Credits
- Mathematics – 4 Credits
- Science – 3 Credits
- Social Studies – 3 Credits
- Health – 0.5 Credit
- Physical Education–0.5 Credit
- Electives – 7 Credits

	9th Grade	10th Grade	11th Grade	12th grade
<b>ENGLISH</b>				
<b>MATHEMATICS</b>				
<b>SCIENCE</b>				
<b>SOCIAL STUDIES</b>				
<b>HEALTH</b>				
<b>PHYSICAL EDUCATION</b>				
<b>ELECTIVE</b>				