

MEADOWBROOK HIGH SCHOOL



2019-2020

**CLASS INFORMATION
AND
COURSE DESCRIPTIONS**

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CLASS SCHEDULING REGULATIONS

1. Students will be required to register for eight class periods each day each semester. Exceptions may be made for College Credit Plus students and seniors participating in the early release or work-study program.
2. Students will be advised by the guidance counselors and through teacher recommendations regarding the appropriate classes to be taken.
3. Prerequisites are listed for many course offerings. All prerequisites must be met in order to register for a course.
4. All student schedule requests and alternate choices will be completed prior to the end of the school year. Any changes will be kept to a minimum and may require administrator approval.
5. Once final schedules are released, the following rules will apply to schedule changes.
 - a. Students may not withdraw from a required course.
 - b. Students may not drop a college preparatory course without parental approval.
 - c. Dropping a class due to dislike for the class or teacher is not acceptable.
 - d. Class changes to match schedules with friends or change lunches is not permitted.
6. The following are acceptable reasons for schedule changes.
 - a. Change in requirements
 - b. Error in scheduling
 - c. Teacher request
 - d. Failure to obtain the prerequisite
7. Credit will not be granted for completing one semester of a full-year subject.
8. If a course is dropped after the set drop time, an "F" will be given for the entire course and will be computed in the student's GPA.
9. Some courses have a fee due to the high cost of materials used. All fees must be paid prior to participating in the graduation ceremony and obtaining a diploma.

GRADUATION CREDIT REQUIREMENTS

Students must earn 21 credits to graduate from Meadowbrook High School. In addition, the following specified credits are required.

- 4 Credits in English
 - 4 Credits in Math: including 1 credit in Algebra II or Career Tech Math
 - 3 Credits in Science: including 1 Biological and 1 Physical credit
 - 3 Credits in Social Studies: including 1 US History, 1 Government, and ½ World History credit
 - ½ Credit in Health
 - ½ Credit in Business Finance
 - 1 Credit of Fine Arts
 - ½ Credit in Physical Education (may be earned through the PE waiver)
-
- ❖ Seniors must complete all graduation requirements by their last regular school day in order to participate in graduation ceremonies
 - ❖ Students attending the career center may be exempt from the fine arts requirement

PHYSICAL EDUCATION WAIVER

Students who participate in **two seasons** of district-sponsored high school interscholastic athletics, marching band or cheerleading are not required to complete a traditional physical education course if they complete the requirements for a waiver. The student will still need to complete one-half unit of credit in another curricular area to meet the 21 credits required for graduation. The physical education waiver form must be completed after 2 separate seasons and submitted to the guidance office. Granting of the waiver becomes effective only after the completion of two athletic seasons as approved by the band director, athletic coach or cheerleading advisor. **Partial credit will not be granted.**

GRADE PLACEMENT

Grade placement will be based on the following credit-earned system regardless of the number of years a student has attended high school.

From 9th to 10th	5 credits
From 10th to 11th	10 credits
From 11th to 12th	15 credits
Graduation	21 credits

CREDIT RECOVERY

Students who have failed a course and need to recover credit should meet with the guidance counselor to discuss options. Options for retaking courses include the following.

1. Summer school
2. Online recovery class
3. Retaking the course in the classroom

When a course is retaken, the original grade and the retaken grade will both be recorded on the transcript and used in all GPA calculations.

CAREER CENTER ADMISSION

To be accepted to the Career Center for their junior year, students should have a good attendance and discipline record, and have earned the following credits

- 2 credits of English
- 2 credits of mathematics
- 2 credits of science
- 2 credits of social studies
- ½ credit of physical education
- ½ credit of health education
- ½ credit business finance

GRADUATION ASSESSMENTS

In addition to course credits, students must earn points toward graduation on seven end-of-course exams. These exams have replaced the Ohio Graduation Tests. The courses in which students take an end-of-course exam will be:

English 9
English 10
Algebra I
Geometry
Biology
American History
American Government

Students can earn from 1-5 points for each exam, based on their performance.

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

Students must accumulate a minimum of 18 points from scores on their end of course exams to become eligible for a diploma. Of these overall points, a student must earn at least four points between the math exams, four points between the English exams, and six points between the science and social studies exams.

Earn a minimum of four points in English tests	+4
Earn a minimum of four points in math tests	+4
Earn a minimum of six points in science and social studies tests	+6
Additional four points selected from any of the content areas	+4
A combined total of eighteen points from all areas	= 18

Students that score below proficient on an exam may retake it after they receive some extra help on the material. Students that score proficient or higher on an end of course exam can retake exams only if, once they take all the exams, they have not met the minimum graduation points to graduate. In this case, a student can retake any exam after receiving some extra help on the material. The same rules apply to substitute exams, which may be used interchangeably with approved tests.

Students who do not earn the required number of graduation points can still meet the requirements for a diploma if they earn a remediation-free score on a national college admission test. The ACT assessment will be given to students free of charge in the spring of their junior year. Remediation-free scores on the ACT are as follows: English Composition-18, Reading-22, Mathematics-22

EARLY RELEASE / WORK-STUDY PROGRAM

Seniors only have the opportunity to participate in the early release or work-study program. All interested students must carry a course load equivalent to 5 full-credit courses and be in good standing with credits and graduation test points. For work-study, a student has the possibility to earn 1 or 2 credits toward graduation depending on the number of hours worked each semester.

STUDENT ATHLETES

In order to remain eligible to participate in athletics, student athletes must receive passing grades in a minimum of five one-credit courses in the immediately preceding grading period. All beginning 9th graders must have received passing grades in 75 percent of all courses taken in the last grading period of 8th grade.

All student athletes wishing to compete in Division I or II athletics during their freshman year in college must register with the NCAA Initial-Eligibility Clearinghouse during their junior or senior year. The website to register is www.eligibilitycenter.org. NCAA also has strict initial-eligibility course requirements that must be fulfilled. Visit the website or stop in the guidance office for more information about these requirements. It is your responsibility to schedule and successfully complete the appropriate classes leading to athletic eligibility.

ADVANCED COURSEWORK

Several high school courses are considered advanced coursework. When registering for these courses, the student and parent are agreeing to the following conditions:

- No late work will be accepted except with teacher discretion on a student by student basis with documentation for the reason of acceptance (in comments section of progress book)
- No reassessments except with teacher discretion on a student by student basis with documentation for the reason of acceptance (in comments section of progress book)
- Reteach/reassess time is for “office hours” for assistance
- Students have 10 days from the start of school to drop any course. This will be enforced except with administrative discretion on an individual basis with documentation for the reason of transfer.

The following list of high school courses are considered advanced coursework:

Advanced English 9	Lab Biology
Advanced English 10	Advanced Physical Science
Advanced English 11	Chemistry
Advanced English 12	Anatomy
Advanced World History	Physics
Advanced US History	CP Geometry
Advanced Government	CP Algebra II
Spanish II	Pre-Calculus
Spanish III	Calculus
Spanish IV	

GRADING POLICY

The grading scale at Meadowbrook High is based on the following scale:

92 – 100%	A = Excellent achievement
83 – 91%	B = Good achievement
74 – 82%	C = Satisfactory achievement
65 – 73%	D = Minimum acceptable achievement
0 – 64%	F = Failure
	I = Incomplete
	P = Acceptable achievement
	W = Withdrew from course

Grade point average and all additional awards, honors, and other calculations are based on the 4-point grading scale. Grade point average (GPA) is based on the grade and credit given for all subjects. In calculating GPA for a course, A=4, B=3, C=2, D=1, F=0, W=0. Only final course grades are calculated into the accumulated GPA.

RECOGNITION OF STUDENT ACHIEVEMENT

Students who display significant achievements during the course of the year are recognized for their accomplishments. Areas that may merit recognition include, but are not limited to, academics, athletics, performing arts, citizenship, and volunteerism. Recognition for such activities is initiated by the staff and coordinated by the office. Honor Roll at Meadowbrook High School is on a three-tier honor roll system. The criterion is as follows;

Principal's List	4.0
Honor Roll	3.5 –3.99
Merit Roll	3.0 –3.49

ACADEMIC AWARD

Students, who at the end of the first three grading periods of the school year, have received all A's and B's will be honored at the academic award banquet, which will be held in the spring. To be considered for an academic award any incomplete needs to be made up by the end of the fifth day after report cards are distributed.

OHIO MEANS JOBS READINESS SEAL

Ohio high school students now can earn recognition by showing they are prepared to contribute to the workplace and their communities. The OhioMeansJobs-Readiness Seal is a formal designation that students can earn on their high school diplomas and transcripts indicating they have the personal strengths, strong work ethic and professional experience businesses need.

To earn the OhioMeansJobs-Readiness Seal, students must complete the following steps:

1. Demonstrate and become proficient in each of the 15 identified professional skills.
2. Use the Ohio Means Jobs Readiness Seal Form below:
<http://education.ohio.gov/getattachment/Topics/New-Skills-for-Youth/SuccessBound/OhioMeansJobs-Readiness-Seal/OMJ-Readiness-Seal-Validation-Form.pdf.aspx?lang=en-US>.
3. Record how you demonstrated each essential professional skill in at least two of three environments. The three possible environments are school, work or community.
4. Have each skill validated by a mentor. Three or more mentors must be involved in the validation process and must sign the form. Mentors are experienced advisors the student trusts. By signing the form, the mentor is recommending the student to a prospective employer or higher education provider.
5. The student is encouraged to obtain letters of recommendation from mentors. He or she also may engage in career planning and career readiness activities on OhioMeansJobs.com.

HONORS DIPLOMA

High school students can gain state recognition for exceeding Ohio's graduation requirements through an honors diploma. Students challenge themselves by taking and succeeding at high-level coursework and in real-world experiences. Ohio students have the opportunity to choose to pursue one of six honors diplomas:

1. [Academic Honors Diploma](#)
2. [International Baccalaureate Honors Diploma](#)
3. [Career Tech Honors Diploma](#)
4. [STEM Honors Diploma](#)
5. [Arts Honors Diploma](#)
6. [Social Science and Civic Engagement Honors Diploma](#)

The criteria for the **Academic Honors Diploma** are listed below. In order to earn the Academic Honors Diploma, a student must meet **all but one** of these criteria:

- 4 units of math, including Algebra I, Geometry, Algebra II and another higher level mathematics course
- 4 units of science, including 2 units of advanced science
- 4 units of social studies
- 3 units of a continuous world language or 2 units each of 2 different world languages
- 1 unit of fine art
- Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale
- Obtain a composite score of 27 on the ACT or a composite score of 1210 on the SAT

MEADOWBROOK HIGH SCHOOL ACADEMIC RECOGNITION

To be considered for Academic Honors upon graduation, students must meet the following standards of achievement at each level:

SUMMA CUM LAUDE

Must have a **4.0** GPA on a 4.0 Scale (no rounding of calculations), and **18** college preparatory courses according to the requirements below.

MAGNA CUM LAUDE

Must have at least a **3.75** GPA on a 4.0 Scale (no rounding of calculations), and **17** college preparatory courses according to the requirements below.

CUM LAUDE

Must have at least a **3.50** GPA on a 4.0 Scale (no rounding of calculations), and **16** college preparatory courses according to the requirements below.

When determining the number of college preparatory courses that count toward academic recognition, the subject and course requirements listed below will be followed:

- Minimum of 3 and maximum of 5 high school credits of Advanced Level or CCP English¹
- Minimum of 3 and maximum of 5 high school credits of Advanced Level or CCP Mathematics²
- Minimum of 3 and maximum of 5 high school credits of Advanced Level or CCP Science³
- Minimum of 2 and maximum of 4 high school credits of Advanced Level or CCP Social Studies⁴
- Minimum of 3 and maximum of 4 high school credits of Foreign Language or CCP Foreign Language

*The total number of courses must meet the minimum standard of 16 for cum laude, 17 for magna cum laude, and 18 for summa cum laude. The subject maximums to count toward recognition are in place to ensure a well-rounded curriculum for students, though additional coursework in any area is permitted and encouraged.

*CCP coursework must be approved by the High School Counseling Office to correspond to the elected subject area.

¹Advanced English 9, Advanced English 10, Advanced English 11, and Advanced English 12 are considered Advanced Level High School English courses.

²CP Geometry, CP Algebra II, Pre-Calculus, and Calculus are considered Advanced Level High School Mathematics courses. Any level of High School Algebra I is not considered an Advanced Level Mathematics course.

³Lab Biology, Advanced Physical Science, Chemistry, Physics, and Anatomy are considered Advanced Level High School Science courses.

⁴Advanced Modern World History, Advanced US History, and Advanced Government are considered Advanced Level High School Social Studies courses.

NOTE: The above awards will be determined at the conclusion of the first semester of the senior year. Grades will be monitored for the second semester and the award may be revoked if progress is determined to be unsatisfactory.

COLLEGE CREDIT PLUS

Ohio's 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. The purpose of this program is to promote rigorous academic pursuits and to provide a wide variety of options to college-ready students. Taking a college course from a public college or university through College Credit Plus is free. That means no cost for tuition, books or fees if you attend a public school in the state of Ohio.

A student may enroll in a postsecondary program provided s/he meets the requirements established by law, the District, and the institution of higher education. A student may be denied high school credit for any portions of or for the entire class if taken during a period of expulsion. Student participation requires written consent of the Superintendent and, for students under 18, written consent of the parents. Any high school student admitted to a course by an institution of higher education will be expected and required to perform at the same level as the institution's regular students.

A family informational meeting concerning College Credit Plus will be held in January each year. Intent to participate forms will be distributed at this meeting and must be returned by April 1st in order to participate in the program the following school year. The student must still meet the admission policies of the higher education institution(s) at which they wish to take courses (including any assessment score requirements).

If a CCP class is over the allotted cap, the following qualifications will be used in order to determine placement.

- a. Cumulative Grade Point must be 3.0 or higher on a 4-point scale
- b. Seniority
- c. College Placement assessment score
- d. Most recent state testing score in the subject area (or comparable area)

College Credit Plus Drop/Failure Rules:

If a student drops the course after the preset drop date or receives an F for a College Credit Plus Course the following rules apply.

- The student/family will reimburse all associated costs to the district including tuition and textbooks.
- The student will enroll in a replacement course at MHS depending upon graduation credits needed. The student may be withheld the right to enroll in future College Credit Plus courses.
- Classes failed or dropped with an "F" or "W" will receive the grade on the high school and college transcripts and it will be computed into the high school and college GPA. According to Meadowbrook High School's GPA policy, a W is computed into the GPA the same as an F.

College Credit Plus Underperforming Student Policy:

- A student is placed on CCP Probation when the student has earned lower than a cumulative 2.0 GPA in college courses OR withdraws from two or more courses in same term.
- When on CCP Probation, the student may enroll in no more than one college course, and may not enroll in the college course in the same subject in which student previously earned D or F or received no credit.
- A student remains on probation until student has improved their cumulative college GPA to 2.0 or higher (maximum of two terms)
- A student is placed on CCP Dismissal when the student has met the definition of CCP Probation for two consecutive college terms. Once a student is dismissed from the CCP program, the student may not enroll in college courses for the for the following college term.

ENGLISH LANGUAGE ARTS

102 - REGULAR ENGLISH 9

GRADE 9

1 CREDIT

This course combines grammar, composition, short stories, poetry, drama, the novel, and non-fiction works. Students will become familiar with the elements of literature, (i.e. setting, various literary terms, characterization, etc.), and be able to recognize different genres and the conventions of each. Students will work on essays of various types, and expand their use of the writing process. Though technology will be primarily be used, a notebook and folder would be beneficial.

103 – ADVANCED ENGLISH 9

GRADE 9

1 CREDIT

This advanced course is an accelerated one for students whose performance in the language arts and whose test scores indicate that they should be challenged by a more intensive study of grammar, writing skills, and literature. In addition to mastering those skills studied by students in the regular classes, these students will devote time to critical thinking, creative writing, descriptive writing, expository writing, persuasive writing and the research process. Also covered will be various types of literature including short stories, essays, articles, and poems. **One summer reading novel is required.**

PREREQUISITE: Grade of A or B in 8th grade English and/or teacher recommendation.

105 – REGULAR ENGLISH 10

GRADE 10

1 CREDIT

In this course, grammar skills are emphasized in their application to clear written communication. Theme writing and basic research skills are discussed. Literature extends the study of the short story, poetry, drama, and the novel with emphasis on analysis and understanding of structure. Students will also continue the conventions of technical communication by focusing on technical descriptions, summaries, reports, instructions, and charts/graphs.

106 – ADVANCED ENGLISH 10

GRADE 10

1 CREDIT

This course extends the general course through emphasis on independent thinking and expository writing. The reading of major novels, poetry and drama may also be expected. There are several required independent projects. Elements of research are reviewed as needed. Satisfactory completion of any project and/or writing assignments is required in order to receive credit for the class. **One summer reading novel is required. PREREQUISITE:** B or better in previous advanced course or teacher recommendation (from regular).

108 – REGULAR ENGLISH 11

GRADE 11

1 CREDIT

This course combines grammar, composition, and American/British Literature. Basic grammar is continued as necessary. Emphasis is placed on the creation of a clear, understandable message. Composition emphasizes the various modes of essay, creative writing and research work. Literature covers famous British authors and works form the short story, novel, poetry, and drama. The course will also focus on developing technical, resume, and research writing **along with interviewing skills.**

109 – ADVANCED ENGLISH 11

GRADE 11

1 CREDIT

This course stresses a variety of composition skills including narrative writing, descriptive writing, persuasive writing (controversial issues, problem-solution, justifying an evaluation, evaluating a literary work), and expository writing (comparison/contrast), all of which may include essay research. Grammar instruction relates to composition with emphasis on usage, sentence structure, and vocabulary. The

literary genres include the novel, the play, short story, the poem, the essay, the narrative, the autobiography, and the memoir. Stress is placed on reading, interpreting, and discussing literature in a variety of measurable ways which includes class discussion, composition, group presentation and tests. Satisfactory completion of all compositions is required in order to receive credit for the class. **Two summer reading novels are required. PREREQUISITE:** B or better in previous advanced course or teacher recommendation (from regular).

111 – REGULAR ENGLISH 12

GRADE 12

1 CREDIT

This course combines grammar, composition, and American/British Literature. Usage problems, sentence structure, sentence and paragraph skills are reviewed and practiced as needed. An overview of literary genres and major writers will be provided. Composition work will be linked to the study of literature. The course will also focus on training students today for the workplace of tomorrow by extending technical writing, resume writing, research writing, and interviewing skills. The entire communication spectrum including the development of public speaking and listening skills will be addressed.

112 – ADVANCED ENGLISH 12

GRADE 12

1 CREDIT

This course looks at works and writers from the earliest Anglo-Saxon epic to the twentieth century. All genres of literature will be covered. Time will be spent evaluating literary works and improving techniques of interpretation. A wide variety of literature will be studied and students will respond to it through individual presentations, group discussions, written essays and tests. The research part of the course will be an in-depth study of the skills and techniques necessary for writing a research paper. Topic selection, location and use of reference materials, note taking, organization, documentation, editing, and final preparation are all discussed and practiced. Satisfactory completion of research projects is required in order to receive credit for the class. **Two summer reading novels are required. PREREQUISITE:** B or better in previous advanced course or teacher recommendation (from regular).

180 – ENGLISH ENRICHMENT (semester course)

REQUIRED GRADE 10 ½ CREDIT

This semester course is designed to help students increase their comprehension, their reading fluency, and their ability to analyze text by focusing on vocabulary. The course will be differentiated based on student desired career or college path. Vocabulary acquisition skills have been shown to improve academic performance and scores on standardized tests like the ACT and SAT. Required for all sophomores. This course will count as elective credit.

SCIENCE

226 – PHYSICAL SCIENCE

GRADE 9

1 CREDIT

This course is to introduce students to the areas of physical science. Included in this class will be the following: energy, waves, forces and motion, the study of matter, and chemical properties.

236 – ADVANCED PHYSICAL SCIENCE**GRADE 9****1 CREDIT**

This class is similar to Physical Science but will require significant math calculations and lab work. Material covered will include energy, waves, forces and motion, the study of matter, chemical properties and other related topics. **This is a required course for students who wish to take Chemistry as a junior. PREREQUISITE:** Algebra I or CP Algebra I concurrently, and B average or higher in 8th grade science

204 – GENERAL BIOLOGY**GRADE 10****1 CREDIT**

The purpose of this course is to introduce the student to the field of biology. Included are basics about cells, physical and chemical processes, taxonomy and genetics. Biology for everyday living is stressed. This is not a lab course and is designed for the average student.

203/203L – LAB BIOLOGY / BIO LAB**GRADE 10****1 CREDIT**

Laboratory Biology is designed to accommodate students who are preparing for college admittance. This course involves considerable laboratory work and experimentation using scientific methods. The course of study includes basic chemistry, biochemistry, cell structure and function, cell energy, cell growth and reproduction, genetics, evolutionary theory, classification and taxonomy, comparative anatomy and current biological topics. Difficult material requires high level logical and abstract thinking. **Students in this course will also be assigned an additional period of lab time. Lab fee required - \$12.50. PREREQUISITES:** Advanced Physical Science or recommendation from current science teacher. Upperclassmen may take if in need of a lab science and earned a C or better in any previous science course.

205 – ANATOMY AND PHYSIOLOGY**GRADES 11-12****1 CREDIT**

This course will compare the anatomy, structure and physiology (function) of the major vertebrate classes. Students will be required to perform a series of dissections. This course is intended for the advanced student with an interest in ecology, zoology, human medicine, veterinary medicine and related fields. **PREREQUISITE:** C or better in Lab Biology.

206/206L – CHEMISTRY / CHEM LAB**GRADES 11-12****1 CREDIT**

This course offers a study of the organization of matter, phases of matter and energy relationships in matter changes. The course includes atomic structure, organization of the periodic table, writing and naming chemical compounds, chemical bonding, writing and balancing equations, stoichiometry, gas laws, and acid-base reactions. This is a college-prep class with difficult material requiring considerable study time. **Students in this course will also be assigned an additional lab time. Lab fee: \$15.00 PREREQUISITE:** Advanced Physical Science, Algebra II or concurrent.

207 – PHYSICS**GRADE 12****1 CREDIT**

Physics includes a study of energy relations as observed in mechanical motion and the translation of the energy relation to observable effect, wave motion – sound and light, electricity and introductory electronics, and a mathematical evaluation of observed laboratory relation and/or theory problems. This course requires high level problem solving and math skills. **Students in this course will also be assigned an additional period of lab time. Lab fee: \$15.00 PREREQUISITE:** C or better in Algebra II, Geometry and Physical Science

208 – BIOLOGY II**GRADES 11-12****1 CREDIT**

This course offers a continuation of Biological studies for upper classman. Students will gain the knowledge necessary to pass the Biology graduation test. Additionally, topics covered will prepare junior students to take Chemistry as seniors.

930 – ENV SCIENCE AND NAT RESOURCES**GRADES 11-12****1¼ CREDITS**

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. Students in this course are expected to join the FFA and become an active member participating in a minimum of two FFA activities each nine weeks. Students are also expected to have an approved SAE (Supervised Agricultural Experience) project along with record books. **Lab fee: \$10.00, FFA Dues: \$20.00.**

915 – VETERINARY SCIENCE**GRADES 11-12****1¼ CREDITS**

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. Students in this course are expected to join the FFA and become an active member participating in a minimum of two FFA activities each nine weeks. Students are also expected to have an approved SAE (Supervised Agricultural Experience) project along with record books. **Lab fee: \$10.00, FFA Dues: \$20.00.**

MATHEMATICS

351 – APPLIED ALGEBRA**GRADE 9****1 CREDIT**

Applied Algebra studies the skills involving real number operations. In addition, the student will study linear equations and inequalities, polynomial factorization, algebraic fractions, linear systems, and graphing. Problem solving is strongly emphasized.

305 – CP ALGEBRA I**GRADE 9****1 CREDIT**

CP Algebra I is the study of the real number system, linear equations and inequalities, polynomial functions, factorization, algebraic fractions, linear systems, quadratic equations, graphic and basic analytic geometry. Problem solving is strongly emphasized. This course is designed for the college-bound student.

351A – ALGEBRA I**GRADE 10****1 CREDIT**

Algebra I is a continuation of Applied Algebra. The student will revisit the skills involving real number operations, linear equations and inequalities, polynomial factorization, algebraic fractions, linear systems, and graphing. Problem solving is strongly emphasized.

353 – GEOMETRY**GRADES 10****1 CREDIT**

In Geometry, a student will study the application of geometric principles including but not limited to angle relationship, perpendicular and parallel lines, properties of triangles, circles, polygons, areas and volumes.

306 – CP GEOMETRY**GRADES 9-10****1 CREDIT**

In CP Geometry, a student will study the nature and meaning of mathematical proofs, angle relationships, perpendicular and parallel lines, congruent and similar triangles, polygons, circles, right triangles, trigonometry and areas and volumes. Being able to draw a representation of given data will be very important. The proper use of the straightedge and compass in geometric constructions is examined. **PREREQUISITE:** C or higher in 8th grade Algebra I or CP Algebra I, or recommendation from current math teacher.

352 – ALGEBRA II**GRADES 10-11****1 CREDIT**

Algebra II involves the study of algebraic expressions, linear equations and inequalities, linear systems, polynomial functions, and quadratic functions.

307 – CP ALGEBRA II**GRADES 10-11****1 CREDIT**

CP Algebra II involves the study of algebraic expressions, laws of exponents, algebraic fractions, matrices, rectangular graphing, exponential functions, logarithmic functions and complex numbers. Translating verbal statements of all types into symbolic language will be a unifying thread throughout the course. This course may also include, time permitting, analytic geometry and trigonometric topics. **PREREQUISITE:** C or higher in CP Geometry, or recommendation from current math teacher.

325 – PRE-CALCULUS**GRADES 11-12****1 CREDIT**

Pre-Calculus includes random variables, linear relations and functions, systems of equations and inequalities, matrices, families of graphs, polynomial and rational functions, trigonometry, statistics, and data analysis. **PREREQUISITE:** C or higher in CP Algebra II and CP Geometry, or recommendation from current math teacher.

354 – TRANSITIONS MATH**GRADE 12****1 CREDIT**

Students will study topics from Algebra I, Algebra II and Geometry in preparation for entrance into college, the military or the job market. Students will also study topics related in math from consumer credit, the stock market, auto ownership, banking services, income taxes and preparing a budget.

310 – CALCULUS**GRADE 12****1 CREDIT**

This course is the study of the limit, derivative, integral and applications. It assumes some knowledge of trigonometric functions and equations for line. **PREREQUISITE:** C or higher in CP Algebra II, CP Geometry and Pre-Calculus

SOCIAL STUDIES

420 – MODERN WORLD HISTORY

GRADE 9

1 CREDIT

World Studies from 1750 to the Present (Age of Revolutions through the 20th Century). Ninth-grade students continue the chronological study of world history. This study incorporates each of the seven standards. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills. Specialized attention is given to preparation for the State of Ohio, United States History examination.

421 – ADVANCED MODERN WORLD HISTORY

GRADE 9

1 CREDIT

World Studies from 1750 to the Present (Age of Revolutions through the 20th Century). Ninth-grade students continue the chronological study of world history. This study incorporates each of the seven standards. As students study historic eras, they consider the influence of geographic settings, cultural perspectives, economic systems and various forms of government. Students gain a deeper understanding of the role of citizens and continue to develop their research skills. Attention is given to understanding the interdependent relations between the U.S. and other nations of the world to provide learners with a solid understanding of today's issues. Advanced Modern World History will consist of extensive written activities which will include use of research skills. Students will have "out of class" work that is expected to be completed. Students should be strong in written composition and grammar. Specialized attention is given to preparation for the State of Ohio, United States History examination.
PREREQUISITE: B or higher in 8th grade social studies or teacher recommendation.

422 – U.S. HISTORY

GRADE 10

1 CREDIT

This general course, a study of the social disciplines, conforms to Ohio Academic Standards, benchmarks and grade level indicators. It covers the period from 1877 to the present time (the 21st century). It addresses relevant topics in American History, Geography, Economics, and cultural heritage/diversity against a background world events to provide learners a solid foundation for understanding today's issues and speculate on prospects for the twenty-first century. Specialized attention is given to the state of Ohio, United States History examination.

423 – ADVANCED U.S. HISTORY

GRADE 10

1 CREDIT

This advanced college preparatory course, a study of social disciplines, conforms to Ohio Academic Standards, benchmarks and grade level indicators. It addresses relevant topics in American/World History, Geography, Economics, and cultural heritage/diversity. Special attention is given to understanding the interdependent relations between the United States and other nations of the world, to provide learners with a solid foundation for understanding today's issues, and to speculate on prospects for the twenty-first century. Advanced United States History will consist of extensive written activities which will include use of research skills. Students will have "out of class" work that is expected to be completed. Students should be strong in written composition and grammar. Specialized attention is given to preparation for the State of Ohio, United States History examination.
PREREQUISITE: Successful completion of Advanced Modern World History or teacher recommendation.

409 – AMERICAN GOVERNMENT

GRADE 11

1 CREDIT

This general course of study in the social discipline conforms to Ohio Academic Standards, benchmarks and grade level indicators. The study of American Government will cover areas that are necessary for an understanding of our form of government. The major emphasis will be placed on the structure of the institutions through which the functions of government are carried out and an historical perspective on

the origin, evolution, and development of our governmental institutions. Specialized attention is given to preparation for the state of Ohio American Government examination.

410 – ADVANCED AMERICAN GOVERNMENT

GRADE 11

1 CREDIT

This advanced college preparatory course of study in the social discipline conforms to Ohio Academic Standards, benchmarks and grade level indicators. The study of American Government will cover areas that are necessary for an understanding of our form of government. The major emphasis will be placed on the structure of the institutions through which the functions of government are carried out and an historical perspective on the origin, evolution, and development of our governmental institutions. Advanced American Government will consist of extensive written activities which will include use of research skills. Students will have “out of class” work that is expected to be completed. Students should be strong in written composition and grammar. Specialized attention is given to preparation for the state of Ohio American Government examination. **PREREQUISITE:** Successful completion of Advanced US History or teacher recommendation.

FOREIGN LANGUAGE

502 – SPANISH I

GRADES 9-12

1 CREDIT

An introduction to the Spanish speaking world with an emphasis on vocabulary, pronunciation and basic conversation. Students will listen, speak, read and write in Spanish at a beginning level. Homework will be assigned to reinforce what is learned in the classroom. Good study habits, assignment completion and active participation are required. Students must be able to work independently and are expected to work/study outside of the classroom.

503 – SPANISH II

GRADES 9-12

1 CREDIT

Students must have a solid mastery of Spanish I content. Material from the first year will be used and expanded upon. Continued emphasis will be placed on listening, speaking, reading and writing in Spanish. More in-depth and complex grammar concepts will be introduced. Good study habits, assignment completion and active participation are required. **This is an advanced course.** Students must be able to work independently. **PREREQUISITE:** C or higher in Spanish I.

504 – SPANISH III

GRADES 10-12

1 CREDIT

Intense review and study of present tense verb conjugations from previous years. Five new verb tenses are introduced and studied. A major project on cultural study including Spanish grammar will be assigned each quarter. Good study habits, assignment completion and active participation are required. **This is an advanced course.** Students must be able to work independently. **PREREQUISITE:** C or higher in Spanish II.

505 – SPANISH IV

GRADES 11-12

1 CREDIT

A continuation of the themes and concepts covered in Spanish III. An emphasis is placed on oral conversation in Spanish with the expectation for all students to actively listen and speak in Spanish with both the teacher and their peers. Cultural studies will take place in Spanish. Good study habits, assignment completion and active participation are required. **This is an advanced course.** Students must be able to work independently. **PREREQUISITE:** C or higher in Spanish III.

HEALTH / PHYSICAL EDUCATION

705/705A – HEALTH: BASIC FIRST AID (semester course) GRADES 9-12 ½ CREDIT

Students will learn critical skills needed to respond to various life threatening and non-life threatening emergencies, along with recognizing ways to stop the spread of infectious diseases. They will learn basic life support care, such as rescue breathing, choking, CPR, and AED usage. Required if health was not earned in middle school.

701 – PHYSICAL EDUCATION GRADE 9 ½ CREDIT

Students are provided with a yearlong program intended to improve physical fitness. Areas focused on are the cardiovascular system, and principles to enhance agility, flexibility, endurance, strength, speed, and coordination. Appropriate physical fitness tests will be administered to check the levels of fitness and to measure the progress of the student. Students must dress and participate daily. Required unless earning physical education credit through sports waivers.

715/715A – PERSONAL FITNESS (semester course) GRADES 10-12 ¼ CREDIT

This elective class is a form of physical exercise with the goal of improving all elements of physical fitness (flexibility, muscular strength and cardiovascular fitness). It provides a fun and exciting way to build your energy and cardiovascular endurance and learn weight training concepts and techniques used for obtaining optimal physical fitness. With the goal of preventing illness and promoting physical fitness, you will perform various exercises. Participants are able to select their level of participation according to their fitness level while building confidence. **Students are required to dress and participate daily, and must be willing to follow directions.**

BUSINESS / TECHNOLOGY

608 – EXPLORING COMPUTER SCIENCE (semester course) REQUIRED GRADE 9 ½ CREDIT

This course will be an overview of technological applications in business and the real-world. Students will learn the design theory and logical thinking that will prepare them for a 21st century world.

609 – BUSINESS FINANCE (semester course) REQUIRED GRADE 10 ½ CREDIT

Students will use the Internet to examine a variety of business issues. The class will also cover financial literacy, which includes financial decision-making, working and earning, budgeting, savings, effective use of credit cards and other personal financial literacy topics using a variety of Virtual Simulations. Required for graduation.

627, 627A, 627B – BUSINESS & MGMT FOUNDATIONS (DECA) GRADES 10-12 1 CREDIT

This introduction to business course is designed to examine opportunities and careers in the world of business management, marketing, and computers. Students will learn basic skills that are required to be successful in a variety of business-related careers. Areas of instruction will include business basics, accounting, finance, banking, economics, marketing, management, selling, computer applications, and information systems. Emphasis will be placed on solving problems, communicating effectively, applying

technology, working responsibly, managing resources, and exploring careers in the business world. Students will explore using hands-on activities, project-based learning, computer technology, and will have the opportunity to learn from area business professionals. Students will join DECA and participate in a minimum of four competitive events in order to attend special DECA events that are scheduled throughout the year. **Lab fee required - \$15.00, DECA dues - \$10.00.**

630 – APP CODING

GRADES 10-12

1 CREDIT

The course explores many of the foundational ideas of computing and coding so that all students understand how these concepts are transforming the world we live in. The student will use the skills learned throughout the course to design and create their own app.

640 – INTRODUCTION TO BUSINESS

GRADES 10-12

1 CREDIT

This course provides opportunities to learn and experience a variety of topics in the field of business. Students are exposed to various economies, management, entrepreneurship, marketing, managing financial and technological resources, and the use of social media. Course activities involve students in writing, investigating, problem solving, demonstrating, and reporting. Students will also utilize online learning environments, provided through multiple education platforms.

650 - CAREER CHOICES

GRADE 12

1 CREDIT

Take inventory of your values, interests, personality, skills and passions in this class while exploring careers that you are interested in. This class will also focus on public speaking and interviewing skills as well as resume writing and all of the supporting documents that will make you stand out from the crowd for the entry-level position and beyond.

660 - HS COMPUTER APPLICATIONS (semester course)

GRADES 10-12

½ CREDIT

The course will provide students with the appropriate skills to use word processing, spreadsheet, & presentation software. Work will emphasize understanding of proper keyboarding techniques. This course provides a foundation of skills used in both personal and classroom computer-based activities. (1st semester)

665 - INTRO TO ENTREPRENEURSHIP (semester course)

GRADES 10-12

½ CREDIT

This course is for more than students interested in business. This is a course for designers, engineers, techies, writers, and all students interested in excelling in the 21st Century. Students will develop an entrepreneurial mindset, a mindset capable of critical thinking and problem solving in a fast-paced professional setting. Class participants will build a basic knowledge of various entrepreneurial ventures and create a profitable or non-profit business. Through field experiences and real-world projects, students will be exposed to different types of innovative entrepreneurial concepts, such as design thinking, rapid prototyping, and team building. Students will also be challenged to identify and develop their personal professional strengths along with their innovative spirits. Students will participate in DECA activities and events. (2nd semester)

VISUAL ARTS

801 (GRADES 9 & 10) or 800 (GRADES 11 & 12)- FOUND OF ART **1 CREDIT**

This class is open to student in grades 9-12 as an introduction to fine arts. The student will learn fundamental design ideas utilizing the elements and principles of design and art terminology. The student will develop skills in drawing techniques, sculpture, ceramics, and painting. The student will develop skills their abilities to express and respond to works of art. In addition, emphasis will be placed on the student's understanding of artists, art styles, and architecture (perspective). Students will be required (or able) to write a reflective paper regarding their projects. **Lab fee: \$20.00.**

802 – ART II **GRADES 10-12** **1 CREDIT**

The student will build upon the knowledge and skills learned in Art I. Students will continue to expand their creativity. Students will develop skills with printing techniques, collage, and mixed media. Students will continue to explore different areas of sculpture, ceramics, and painting. Students will investigate coiling, slab construction, and a variety of glazing possibilities with clay. Students will establish a portfolio of their works of art. **Lab fee: \$20.00. PREREQUISITE:** Art Foundations

803 – ART III / 804 – ART IV **GRADES 11-12** **1 CREDIT**

The student will build upon the knowledge and skills learned in Art I and Art II. This class is for the serious art student who is looking to further artistic skills and is considering a career in the visual arts. In addition to the course work in Art I and Art II, the student will continue to compile a portfolio and develop understanding of career choices available to the artist. **Lab fee: \$20.00. PREREQUISITE:** Art II

805 – CERAMICS (semester course) **GRADES 11-12** **½ CREDIT**

Students will study ceramics and explore concepts, terminology, and mastery of forming clay. This would include forming clay on the wheel, hand build techniques, surface relief decoration, and painting/glazing clay pieces. (1st semester) **Lab fee: \$10.00.**

807 – WATERCOLOR (semester course) **GRADES 11-12** **½ CREDIT**

Students will study watercolor techniques, concepts, terminology, and mastery of how to paint with watercolor as well as complete watercolor paintings. This would include some visual exploration of significant historical and contemporary watercolor paintings. (2nd semester) **Lab fee: \$10.00.**

810 - PHOTOGRAPHY/PHOTOSHOP **GRADES 9-12** **1 CREDIT**

This course teaches basics of creating and editing digital photographs using cameras, cell phones, iPads and other digital media. Photoshop and Lightroom will be utilized with the opportunity for Adobe certification. Emphasis will be on using photography for creating meaningful presentations for all the classes on your schedule. You will be expected to complete a project each 9 weeks. This course will count as an elective credit.

MUSIC

812 – BAND

GRADES 9-12

1 CREDIT

Band is a yearlong performance based course open to any student who plays a band instrument or with permission from the director to any student interested in learning to play a band instrument. Performing groups include the Symphonic Band, Marching Band, and Basketball Pep Band, although students may choose not to participate in the marching band portion of the course, except for Memorial Day Parades. The **Symphonic Band** rehearses during the band class period for the entire school year and performs several concerts, which may include school assemblies and evening concerts (at least 3) for the public. This group also participated in OMEA Large Group Adjudicated Events, which may include district and state level events. This group may also have a few after school rehearsals scheduled prior to concerts and adjudicated events. This group also performs at Memorial Day Parades as part of the marching band. **Attendance at all performances is required and graded.**

The **Marching Band** is a co-curricular performing group, which rehearses during the summer months and after regular school hours. The summer practices include rehearsals in June, rehearsals at the end of July, a full week of band camp at the beginning of August, and rehearsals during the remainder of August. When school begins, the group rehearses after school at least three days a week. Required performances include: all varsity football games, several adjudicated marching band events on Saturdays in the fall, and three or four community parades throughout the year. **Rehearsals and performances are required and graded.**

The **Basketball Pep Band** (Cage Band) rehearses for one hour before each performance at all home boys varsity basketball games. Each student in the band is required to attend 80% of the scheduled games. **These performances are required and graded.**

Band students may also participate in non-graded activities including: summer music camps, OMEA Solo and Ensemble Adjudicated Event, and Regional Honors Groups.

813 - JAZZ BAND

GRADES 9-12

1 CREDIT

Jazz Band is a year-long class for students who wish to expand their musical abilities into the jazz element. Ensemble, solo playing with elements of improvisation will be taught during this class. The group performs in at least three concerts along with potential community performances throughout the year. After school rehearsal may be scheduled near performances. All rehearsals and performances are required and graded.

820- CHORUS

GRADES 9-12

1 CREDIT

Chorus is a year-long course open to boys and girls who enjoy singing and would like to participate. It is an open opportunity to explore all types of vocal music, including pop and classical. Its purpose is to develop a greater awareness of the voice, proper vocal technique for singing and an understanding of available music repertoire. **After-school rehearsals and performance at all concerts and contests are required.**

821 – BROOK SINGERS

GRADES 10-12

1 CREDIT

Brook Singers is a select vocal ensemble consisting of approximately 16 – 20 members who meet daily for this year-long course. All types of music are explored with choreography added as needed. Auditions take place in the winter for the following school year. **After-school rehearsals and performance at all concerts and contests are required.**

830 – GUITAR (semester course)**GRADES 9 - 12****½ CREDIT**

During this semester class, we will learn the basics of playing the guitar, including: proper playing position, basic guitar maintenance and tuning, playing chords in open position, reading and playing individual notes in open position of all six strings, playing power chords, and learning to read basic rhythm patterns in a variety of styles using right hand picking and strumming techniques. Musical Styles covered will include rock, country, folk, jazz and classical. A set of school owned acoustic guitars will be available for students to use during the class period, but students will be encouraged to purchase their own instrument so they can practice their playing skills at home. This class is not designed to be a performing group, but rather to teach students the enjoyment of playing the guitar as a life-long skill. Most of the class time each day will be spent playing the instrument. (1st semester)

830A – GUITAR II (semester course)**GRADES 9 - 12****½ CREDIT**

During this second semester course, students will continue to learn and improve upon Guitar I skills. (2nd semester)

FAMILY AND CONSUMER SCIENCES

860 – TRANSITIONS IN CAREERS (semester course)**REQUIRED GRADE 9****½ CREDIT**

In this course, students will analyze interests, aptitudes and skills to prepare for careers and transition through life. An emphasis will be placed on work ethics, team building, communication and leadership skills. Additional topics will include technology etiquette and career planning. Students conduct a real life service learning project to develop leadership and communication skills. Students also learn how to get and keep a job. Required for all freshman.

862 – CULINARY FUNDAMENTALS (semester course)**GRADES 10-12****½ CREDIT**

In this course, students will apply fundamental culinary techniques, such as knife handling skills and the recognition, selection and proper use of tools and equipment. An emphasis will be placed on mise en place, the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques. Students complete actual recipes in school to learn various recipes and cooking fundamentals. The completion of the course involves a full scale dining opportunity. (1st semester) **Course fee required: \$15.00.**

863 – GLOBAL FOODS (semester course)**GRADES 10-12****½ CREDIT**

In this course, students will compare cuisines, ingredients and preferred cooking methods of various cultures. The influence of traditions and regional and cultural perspectives on food choices and culinary practices will be emphasized. Students will examine the issues and conditions that affect the availability and quality of food in the global market, and apply advanced cooking techniques, including the use of specialty and advanced equipment in the preparation of food dishes. The completion of the course involves a multicultural fair with food and music. (2nd semester) **Course fee required: \$15.00.**

853 – CHILD DEVELOPMENT**GRADES 10-12****1 CREDIT**

In this course, students will study the principles of healthy relationships, sexual reproduction, pregnancy, childbirth, child growth, development and behavior. An emphasis will be placed on developing activities that help the cognitive development of a child and sensory and motor skills. Additional topics will include how to properly care for an infant, childhood diseases, immunizations,

childhood safety, theories of development, learning styles and evaluating childcare services. Special emphasis placed on healthy relationships and ways to develop communication skills that build self-esteem and confidence while working with people. Anyone with an interest in working in a “helping” career should take this class. Some cooking and nutrition topics are included in this yearlong course. **Course fee required: \$5.00.**

865 – FOOD SCIENCE

GRADES 11-12

1 CREDIT

In this course, students will apply basic culinary practices and understand how flavor, texture and appearance are affected during food preparation. Students will evaluate chemical reactions as they occur in cooking methods and assess how to control high-risk food safety situation. Food safety and sanitation techniques will align to industry-recognized certifications, with the possibility of earning ServSafe credentials. **Course fee required: \$30.00. PREREQUISITE:** Culinary Fundamentals

AGRICULTURE EDUCATION

880 – AGRICULTURE, FOOD AND NATURAL RESOURCES

GRADE 9

1 ¼ CREDITS

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. Students in this course are expected to join FFA and become an active member participating in a minimum of two FFA activities each nine weeks. **Lab fee: \$15.00, FFA Dues: \$20.00.**

883 – ANIMAL AND PLANT SCIENCE

GRADE 10

1 ¼ CREDITS

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. Students in this course are expected to join FFA and become an active member participating in a minimum of two FFA activities each nine weeks. Students are also expected to have an approved SAE (Supervised Agricultural Experience) project along with record books. **Lab fee: \$10.00, FFA Dues: \$20.00.**

914 – MECHANICAL PRINCIPLES

GRADES 11-12

1 ¼ CREDITS

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. Students in this course are expected to join FFA and become an active member participating in a minimum of two FFA activities each nine weeks. Students are also

expected to have an approved SAE (Supervised Agricultural Experience) project along with record books.
Lab fee: \$20.00, FFA Dues: \$20.00.

915 – VETERINARY SCIENCE

GRADES 11-12

1 ¼ CREDITS

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. Students in this course are expected to join the FFA and become an active member participating in a minimum of two FFA activities each nine weeks. Students are also expected to have an approved SAE (Supervised Agricultural Experience) project along with record books. **Lab fee: \$10.00, FFA Dues: \$20.00.**

930 – ENVIRONMENTAL SCI AND NATURAL RESOURCES

GRADES 11-12

1 ¼ CREDITS

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. Students in this course are expected to join the FFA and become an active member participating in a minimum of two FFA activities each nine weeks. Students are also expected to have an approved SAE (Supervised Agricultural Experience) project along with record books. **Lab fee: \$10.00, FFA Dues: \$20.00.**

940 – AG BUSINESS MANAGEMENT

GRADE 12

1 CREDITS

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. 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. Students in this course are expected to join the FFA and become an active member participating in a minimum of two FFA activities each nine weeks. Students are also expected to have an approved SAE (Supervised Agricultural Experience) project along with record books. **FFA Dues: \$20.00.**

950 – AGRICULTURAL & ENV SYSTEMS CAPSTONE

GRADE 12

2 CREDITS

Students apply Agricultural and Environmental Systems program knowledge and skills in a more comprehensive and authentic way. Capstones are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These can take the form of mentorship employment, cooperative education, apprenticeships and internships. Students enrolled in the work release program **MUST be enrolled in the Ag Business Management Course**. Work release is open to **SENIORS ONLY**. Students enrolled in this course must complete **540 hours** of supervised work in one year and keep documentation of hours and work experience. Students will be observed monthly (or as needed) by instructor.

ADDITIONAL ELECTIVES

114 – YEARBOOK

GRADES 11-12

1 CREDIT

This class will be responsible for the creation of the yearbook. It is essential that the student be familiar with writing news stories, feature articles, photo captions, and headlines. Students will also learn the fundamentals of photography and the elements of a good publication photo. The course will be limited to 16 students, with recommendation of their English teacher. This course will count as elective course.

120 – LITERATURE THROUGH FILM

GRADES 11-12

1 CREDIT

This course will be useful to anyone who has an interest in learning more about films and literature in general, screenwriting, how the written word is translated to the screen, how the written word in language is translated (first in print, then to the screen), and cultural and historical aspects of adaptation and films' influences in popular culture. The course may also be of interest to those who might use film or multi-media in a work environment such as teaching or production, those who may have an interest in directing, photography, cinematography, illustration, acting, computer graphics, soundtracks and the like, or those who have any interest in literature, film, history, and culture, and fun! This course will count as an elective course.

130 - POETRY

GRADES 9-12

1 CREDIT

Poetry is an art form that requires both understanding and appreciation. Simply reading a few poems and having their meanings explained to you is not nearly enough to fully appreciate poetry – or to become a great poet. That is why this course will provide each student with many lessons, explanations, essays and assignments to deepen understanding and apply what has been learned. Through various assignments and essays, each student will learn to do the following:

- Determine and understand the meanings of poems.
- Recognize and utilize the devices used in writing poetry.
- Understand the theory and history of poetry to strengthen their skills and appreciation.
- Write different types of poetry.

This course will count as an elective course. **PREREQUISITE:** C or better in previous English class

240 – SURVIVAL 101

GRADES 11-12

1 CREDIT

This course will study a broad range of outdoor/ survival topics and techniques in an indoor and outdoor setting. Scientific idea, natural philosophy, and environmental topics will also be discussed. This course will count as elective course.

290/290A – STEM (semester course)

GRADES 10-12

½ CREDIT

STEM is an educational program developed to prepare students for college and graduate study in the fields of science, technology, engineering, and mathematics (STEM). In addition to subject-specific learning, STEM aims to foster inquiring minds, logical reasoning, and collaboration skills.

This course will count as elective course.

295/295A – TEALS COMP SCIENCE (semester course)

GRADES 10-12

½ CREDIT

This introduction to Computer Science curriculum is a flexible and approachable course adapted from a university-level CS course for a wide range of high school students from diverse backgrounds. The course explores a variety of basic computational thinking and programming concepts through a project based learning environment. Every unit culminates in a comprehensive project and roughly 75% of

student time is spent building projects and practicing the skills they are learning. The course includes the use of Snap, which is an approachable visual block-based programming language with a robust tool set, perfect for introducing students to coding for the first time. This course will count as an elective course.
PREREQUISITE: Completion of or concurrently taking Geometry.

426/426A – CURRENT ISSUES (semester course) GRADES 9-12 ½ CREDIT

The dynamics of global interactions among nations and regions present issues that affect all humanity. These dynamics include: competing beliefs and goals; methods of engagement; and conflict and cooperation. Contemporary issues have political, economic, social, historic and geographic components. Approaches to addressing global and regional issues reflect historical influences and multiple perspectives. Students participate in discussions, presentations and research into local, state, regional, national and global issues. Students submit written analysis of recent articles, watch on-line student news, debate current issues, and complete research along with tests. Students may choose to register for weighted or non-weighted credit. Weighted credit requires the completion of outside projects, such as research papers, books, and community service beyond the five required projects. This course will count as a social studies elective course.

402 – PSYCHOLOGY GRADES 11-12 1 CREDIT

This is an introductory course that allows students to develop their ideas of personality and human behavior. Students will discover how and why humans respond to their environment by exploring drives and emotions. As students become aware of these basic human behavior concepts, they will be introduced to concepts involving learning. Basic conditioning concepts are dealt with, as well as factors that affect learning, such as motivation feedback and transfer. Human relations will be presented, as students will become acquainted with such topics as self-concept, social psychology, and abnormal psychology. This course will count as a social studies elective course.

428 – CRIMINAL JUSTICE GRADES 11-12 1 CREDIT

This course examines crime, the legal process, and the incarceration system. We will closely study crime, demographics of crime, and the socio-economic conditions, which contribute to crime. Also, we will closely examine the legal process including reading legal code, legal precedents, and the Constitution. This course includes a five to seven page research paper and several presentations throughout the year. This course will count as a social studies elective course.

435 – HISTORY OF MODERN WARFARE GRADES 10-12 1 CREDIT

Armed conflict has affected every nation in the world and most of all the United States. This course examines the geopolitical, economic, imperialist, ideological and religious causes and effects of warfare in the last two centuries. This course builds upon the background knowledge of Modern World History, American History, and American Government and focuses on the economic benefactors, progression of weaponry, patters of imperialism, and progression of strategy of warfare with an emphasis on American Wars. This course is writing intensive and will prepare you for college level writing requirements. This course will count as a social studies elective course.

PREREQUISITE: Successful completion of Modern World History.

436 – HISTORY THROUGH FILM GRADES 11-12 1 CREDIT

This course will use film from movies and documentaries of significant events in history. Students will be asked to re-think, understand, and evaluate the different areas of significant importance. The class will start from early civilizations and will run to modern times up to present events. Students will be expected to complete summary and critique papers, turn in class notes, take a test at the end of each film and complete a 3 page typed paper each 9 weeks. This course will count as a social studies elective course.

437 - HISTORICAL AND CURRENT DEBATE**GRADES 11-12****1 CREDIT**

This course will develop and improve public speaking, argumentative, and critical thinking skills in communication settings. Students will prepare and deliver speeches and participate in several in class debates and forums on current and historical topics. Techniques will be taught to control speech anxiety, and structure and organize information to present to a variety of audiences. As such, the fundamentals of physical and vocal delivery skills, use of language and gesturing, as well as listening skills will be learned. This course will count as a social studies elective course.

840 – TUNES-U**GRADES 11-12****1 CREDIT**

Tunes-U is an all-encompassing class that focuses on music and its place in our culture. This includes, but is not limited to: appreciation, dissecting lyrics (poetry), music's historical significance, and music's influence on historical events around the world. Also included: album art significance, lyrics in popular culture, technology in music, instrument study (such as guitar and drums), language in music, and how music has shaped Western Culture. You will be assessed using quizzes, projects, and participation. This course will count as an elective course.

PLUMBERS AND PIPEFITTERS PRE-APPRENTICESHIP:

This is an opportunity for junior students to take a different debt free path that will give them a jump-start to a career in the piping industry. Classes take place one day per week off-campus, while still taking a normal class load at school the other four days a week. Students must be 16 years old at the start of your Junior year, have a minimum 2.0 GPA, have an attendance record of 95% and pass the Tabe test at a 9th grade level.

CCP OPPORTUNITIES AT MHS

81510W – CCP ENGL 1510: ENGLISH COMPOSITION I (semester course)**3 SEM HRS**

Develop, compose, and revise expository essays, which center on a definite thesis statement. The course covers rhetorical modes such as example, process analysis, definition, and comparison/contrast. The course also covers planning, drafting, revision skills. Taken through Washington State Community College (1st semester).

81520W – CCP ENGL 1520: ENGLISH COMPOSITION II (semester course)**3 SEM HRS**

Continues improvement of writing skills. Argumentative and expository papers created by evaluating information from multiple perspectives and drawing reasonable conclusions for a final research writing. Taken through Washington State Community College (2nd semester).

PREREQUISITE: CCP ENGL 1510**81511W – CCP SPCH 1510: SPEECH (semester course)****3 SEM HRS**

Introduces students to both the general principles of communication and the specific process involved in the preparation and presentation of informative and persuasive one-to-many messages. Taken through Washington State Community College. (1st or 2nd semester)

81070W/81070LB – CCP BIOL 1010: PRINCIPLES OF BIOLOGY/CCP BIOL 101L: PRIN OF BIOLOGY LAB (semester course) 4 SEM HR

A biology course for non-major's, which introduces cell biology, physiology, genetics, evolutions and ecology. Inquiry-based learning and case studies are used to foster good science process skills in lecture, discussion and laboratory. Taken through Washington State Community College. (1st semester)

81070Z– CCP BIOL 1070: ENVIRONMENTAL SCIENCE (semester course) 3 SEM HR

A laboratory science course for non-science majors. Provides an introduction to science, the scientific method, basic biological and ecological concepts and applies these to current environmental issues. Taken through Zane State College. (2nd semester)

81410Z-CCP WILD 1410: BOTANY (semester course) 2 SEM HR

A survey of the plant kingdom based on a detailed study of the morphology, anatomy and physiology of selected representative specimens. This course will provide an introduction to the principles, skills, and applications of biology to students interested in biology, environmental science, wildlife, and parks and recreation. Field intensive with strong focus on local flora. Taken through Zane State College. (1st semester)

81350Z-GEOL 1350: EARTH SCIENCE (semester course) 3 SEM HR

An overview of basic geological and meteorological principles including rock and mineral formation and identification, plate tectonics, landforms, geologic hazards, basic historical geology, and weather data acquisition and weather forecasting. An introduction to Ohio geology is also included. Taken through Zane State College. (2nd semester)

81200W – CCP PERS 1200: 21ST CENTURY WORKPLACE SKILLS (semester course) 3 SEM HRS

An introduction to basic skills and knowledge required for the 21st Century workplace. Topics include communication basics, interpersonal skills, teamwork, problem solving, ethics and personal responsibility, leadership skills, dealing with change, and planning for professional development. The course includes a capstone presentation that requires teamwork and application of the lessons learned in each module. Taken through Washington State Community College. (1st semester)

81210W - CCP HIST 2120: AMERICAN HISTORY 1865 TO PRESENT (semester course) 3 SEM HRS

Political, diplomatic, social, and economic development of America 1865 to Present. Topics include Reconstruction, the Industrial Revolution, the progressive movement, World Wars I and II, prosperity and depression, and problems of the Cold War era. Taken through Washington State Community College. (2nd semester)

81021W - CCP HIST 1020: CIVILIZATION II: EARLY/MODERN PERIOD (semester course) 3 SEM HRS

The Commercial Revolution; the Age of Science; Reason & Enlightenment; The Rise of Nationalism; The Industrial Revolution and it's problems; social reform; scientific advancement; development of the arts; the world wars; Russian and Chinese revolutions; the Cold War; rise and fall of imperial systems in Africa; East Asia, the Middle East, and Latin America. Taken through Washington State Community College. (1st semester)

81020W – CCP POLS 1020: AMERICAN NATIONAL GOVERNMENT (semester course) 3 SEM HRS

American National Government is an introduction to the nature, purpose, and structure of the national government in the United States. The process of and participants in the creation of public policy are emphasized, including a citizen's role in a democracy. The positive and negative aspects of broad participation are compared. Taken through Washington State Community College. (2nd semester)

81130W – CCP SPAN 1130: INTERMEDIATE SPANISH (semester course) 3 SEM HRS
Development of comprehension, speaking, reading, and basic writing skills through grammar exercises, oral and written communication activities. Taken through Washington State Community College. (1st semester) **PREREQUISITE:** 3 years of high school Spanish

82111W – CCP SPAN 2110: ADVANCED SPANISH (semester course) 3 SEM HRS
First course of a 2-semester intermediate level sequence. Continued study of advanced concepts of Spanish grammar; includes readings, discussions and compositions in Spanish, as well as cultural material. Taken through Washington State Community College. (2nd semester)
PREREQUISITE: SPAN 1130

8708Z – CCP SFSC 1050: INTRO TO SPORTS INDUSTRY (semester course) 3 SEM HRS
This introductory course showcases the multiple facets of the sport industry. The knowledge gained in this course will help students identify different career paths within the sport and fitness field as well as provide a foundation for other SFSC courses. Taken through Zane State College (1st semester).

8709Z – CCP SFSC 1100: PERSONAL WELLNESS (semester course) 2 SEM HRS
This introductory course introduces students to the different dimensions of health: physical, psychological, spiritual, social, intellectual and environmental. Students will learn how to make informed health decisions about nutrition; stress management and active living in order to positively impact their own personal health. Taken through Zane State College (2nd semester).

81200OU - MATH 1200 - COLLEGE ALGEBRA (semester course) 4 SEM HRS
Equations, functions and graphs, including linear equations and systems, polynomials, rational and radical expressions, quadratic equations, exponential and logarithmic functions, and inequalities. Taken through Videoconferencing with Ohio University Eastern. **PREREQUISITE:** Must test college math ready.

MICROSOFT OFFICE SPECIALIST CERTIFICATION COURSES:

82210W – CCP OAST 2210: MICROSOFT WORD (semester course) 3 SEM HRS
Use Microsoft Word to create documents, select and edit text, format characters, use AutoCorrect, move and copy text, find and replace, printing and page formatting, page numbers, headers and footers, footnotes and endnotes. Taken through Washington State Community College (1st semester).

82220W – CCP OAST 2220: EXCEL (semester course) 3 SEM HRS
Use Microsoft Excel to create and enhance simple worksheets, copy data, create named ranges, change fonts, patterns, colors, and formats. Create and use formulas and functions, both basic and advanced. Taken through Washington State Community College (2nd semester).

81600W – CCP BUSM 1600: PC APPLICATIONS (semester course) 3 SEM HRS
The primary focus is on the application of personal computers using software popular in the business community. Students will use current operating systems, web browsers, word processing, spreadsheet databases, and presentation software. Concepts will be reinforced by a variety of hands-on assignments. Taken through Washington State Community College (1st semester).

82600W – CCP BUSM 2600: ADVANCED COMPUTER APPLICATIONS (semester course) 3 SEM HRS
Students learn design concepts and computer skills needed to develop effective presentations for meetings, seminars, lectures, or business meetings. Text charts, number charts, and picture charts will be incorporated in order to create slide show presentations that communicate a multitude of business concepts. Design elements will include SmartArt, WordArt, ClipArt as well as sound and animation.

Focus on the application of personal computers using databases, Google, and presentation software. Taken through Washington State Community College (2nd semester). **PREREQUISITE:** BUSM 1600

REAL ESTATE PREPARATION CLASSES:

82730Z - BUSM 2730-REAL ESTATE PRINCIPLES AND PRACTICES **3 SEM HRS**

Basic foundation course in real estate philosophy, theory, economics, and administration. Covers elementary physical, legal, location, and economical characteristics of real estate, real estate markets, and influents on real estate values. Prerequisite: None.

82740Z - BUSM 2740-REAL ESTATE LAW **3 SEM HRS**

Includes eleven legal areas commonly concerned with typical real estate professionals. Among topics covered are law of agency as applied to real estate brokers and salesmen, law of fixtures, estates, conveyances of real estate, mortgages and liens, license laws of Ohio, and zoning. Prerequisite: None.

82750Z - BUSM 2750-REAL ESTATE FINANCE **3 SEM HRS**

Includes institutions, methods, instruments, and procedures involved in financing of real estate, nature, and characteristics of mortgage market. Effects of monetary and fiscal policies on real estate financing considered. Prerequisite: None.

82760Z - BUSM 2760-REAL ESTATE APPRAISING **3 SEM HRS**

This course deals with appraisal theory, basic principles affecting value of real property; data accumulation and analysis of the city, neighborhood, site, and property; applied techniques and estimating value from three approaches; building analysis, depreciation; entire range of appraisal process; and preparation based on field experience of preparing single-family residential appraisal report. Prerequisite: None

TEACH ACADEMY COURSES:

81010Z – CCP EDUC 1010: INTRODUCTION TO EDUCATION **3 SEM HRS**

This introductory course explores the purposes, organizations, and outcomes of schooling from the perspectives of the field of social foundations of education. Candidates undertake critical inquiry into teaching as a profession. Licensure requirements, teachers' legal responsibilities, and the accountability of public schools are also explored. Taken through Zane State College (1st semester)

PREREQUISITE: Placement into Comp I

81450Z – CCP EDUC 1450: SPECIAL EDUCATION **3 SEM HRS**

This is a survey course to prepare all educators to teach diverse learners, including those with exceptionalities. It covers developmental characteristics, assessment methods, intervention strategies, and ethical principles for students in education and community settings. Taken through Zane State College (1st semester)

82070Z – CCP EDUC 2070: TECHNOLOGY FOR EDUCATORS **3 SEM HRS**

As technology continues to evolve, educators are required to create technology-enriched environments to promote student success. In this course future and current educators will work to explore technology advancements, learn how to implement technology in the classroom, and strengthen their understanding of technology trends through the use of International Society for Technology in Education (ISTE) standards. Taken through Zane State College (2nd semester)

8112M - EDUC 112-EDUCATIONAL IMPLICATIONS OF DIVERSITY**3 SEM HRS**

Presents a picture of the increasing diversity found within educational institutions and the implications it has for educators in developing both policy and practice. Required field experience: 12 hours of observation and 10 hours of tutoring. Taken through Muskingum University (2nd semester)

PREREQUISITEOR CO-REQUISITE: EDUC 110

ADDITIONAL CCP OPPORTUNITIES

STARK STATE COLLEGE

A variety of online courses are available through Stark State College. Students would be given an assigned time each day to work on their online courses. Students need to be self-motivated in order to participate in these classes. The following courses are anticipated for the 2018-2019 school year.

ACC 130	Business Law & Ethics	HIS 221	World Civilization
BIO 101	Intro to Anatomy & Physiology	MGT 121	Principles of Management
BIO 125	Medical Terminology	MTH 124	Statistics
BUS 121	Business Administration	MTH 125	College Algebra
BUS 221	Microeconomics	MTH 135	Pre-Calculus
BUS 222	Macroeconomics	PHL 122	Ethics
COM 121	Effective Speaking	PSC 121	Political Science
ENG 124	College Comp I	PSY 121	General Psychology
ENG 231	College Comp II	PSY 123	Human Growth & Development
ENG 236	American Literature	PSY 221	Abnormal Psychology
ENG 233	British Literature	SOC 121	Sociology
HIS 121	US History	SOC 225	Cultural Diversity

DISTANCE LEARNING

Through a consortium of several local high schools, students may take college courses offered at other area schools. The courses are taught through video distance learning in the Colt College. Several course offerings are available and they vary each semester.

ZANE STATE INDUSTRIAL SYSTEMS ENGINEERING TECHNOLOGY (ISET)

The Industrial Systems Engineering Technology Program prepares you for multiple disciplines, comprising the skill sets required in today's modern industries. A solid foundation in the basics of computer-aided drafting (CAD), electrical & mechanical engineering, manual and basic CNC machining, welding, hydraulics and pneumatics helps prepare you to enter the workforce as an industrial Systems Engineering Technology maintenance technician. The opportunity for employment and advancement in this field continues to grow. Students can work toward this certification during their junior and senior year, with some classes delivered on the Zane State Cambridge campus senior year.