

MEADOWBROOK HIGH SCHOOL



2023-2024

CLASS INFORMATION AND
COURSE DESCRIPTIONS

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CLASS SCHEDULING REGULATIONS

1. Students will be required to register for seven class periods each day each semester. Exceptions may be made for College Credit Plus students and seniors participating in the late arrival or the work-study program.
2. Students will be advised by the school 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 are 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. 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 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)
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- ❖ 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

Required for Class of 2023 and beyond

1. **Course Completion:** Students will satisfy Ohio's curriculum requirements and any additional local requirements. Students will complete the Meadowbrook curriculum requirements of 21 credits, with specific credits required in each content area.
2. **Competency Demonstration:** Students will demonstrate competency in the foundational areas of English language arts and mathematics or through alternative demonstrations, which include College Credit Plus, career-focused activities or military enlistment. The required scores are ELA II (684) and ALG (684). Alternate options to demonstrate competency include College Credit Plus courses (ELA, math), Career Technical Education, and enlistment in the military.
3. **Readiness Demonstration:** Students will demonstrate readiness for their post-high school paths by earning two seals that allow them to demonstrate important foundational and well-rounded academic and technical knowledge, professional skills, social and emotional competencies, and leadership and reasoning skills. At least one seal earned must be a state-defined seal.

Ohio Means Jobs Readiness Seal: Must meet requirements and criteria established by the state.	Science Seal: Earn a proficient score (700+) on the biology EOC. AP and CCP courses and scores also apply.
State Seal of Biliteracy: Proficiency requirements must be met on world language or English assessments	Honors Diploma: Earn one of the six state-defined honors diplomas.
Military Enlistment Seal: Must provide evidence of enlistment in a branch of the U.S. Armed Forces.	Industry-Recognized Credential Seal: Earn an approved credential in an in demand job.
College-Ready Seal: Earn remediation-free scores on the ACT or SAT.	*Community Service Seal: Complete 40 hours of community service. Service must be documented on an official form. Service also must be pre-approved by school counselors prior to starting the community service.
Citizenship Seal: Earn a proficient score (700+) on the American History and Government EOC. AP and CCP courses and scores can also apply.	*Fine and Performing Arts Seal: Complete four credits of fine arts or 2 credits of fine arts plus 2 pre-approved performances or 3 credits of fine arts plus 1 pre-approved performance. Minimum of 2 credits of fine arts at the high school or CCP equivalent. A verification form must be completed prior to the performances.
Technology Seal: Earn a "B" or better in a CCP computer science course or complete a computer science course through our district.	*Student Engagement Seal: Must participate in four seasons of athletics or four school clubs throughout high school (or a combination of both). Participation must be verified by a coach or advisor. An official verification form must be completed.

**Denotes Local Seals. Students may only earn one local seal*

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. 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.**

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

CTE PATHWAYS

Media Arts Pathway

1. Art Foundation
 2. Media Arts 101
- Options
- a. Music Business
 - b. Photography/Photoshop

Agricultural Pathway

1. Agriculture, Food and Natural Resources
 2. Animal and Plant Science
- Options
- a. Mechanical Principles
 - b. Forestry and Woodland Ecosystems
 - c. Business Management for Agricultural and Environmental Systems
 - d. Energy Systems Management
 - e. Environmental Science for Agriculture and Natural Resources
 - f. Vet Science

Business and Administrative Services Pathway

1. Business Foundations
2. Business Communications
3. Digital Design in Marketing

LATE ARRIVAL / WORK-STUDY PROGRAM

Seniors only have the opportunity to participate in the late arrival or work-study program. Seniors can only participate in either work study or late arrival. For work-study, a student has the possibility to earn 1 (120 hours) or 2 (240 hours) credits toward graduation depending on the number of hours worked each semester.

Participating students must:

- Have 5 or less unexcused absences per semester. This does not include any District Excused days. Medical excuses could be considered at the discretion of an administrator.
- Maintain a GPA of 2.0
- Be on track for graduation:
 - Competent on ELA 2 and Algebra with scores of 684 on each test
 - Progressing toward earning two seals for graduation
- If a student fails to maintain the above criteria, late arrival or work study can be revoked and the student will be given a full 9 period schedule.

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)
- Students have 5 school 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
Advanced English 10
Advanced English 11

Lab Biology
Advanced Physical Science
Advanced Chemistry

Advanced English 12
Advanced World History
Advanced US History
Advanced Government
Spanish I
Spanish II
Spanish III
Spanish IV

Anatomy
Physics
Advanced Geometry
Advanced Algebra II
Pre-Calculus
Calculus

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. 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.

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** advanced level 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** advanced level 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** advanced level courses according to the requirements below.

When determining the number of advanced level 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.

²Advanced Geometry, Advanced 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, Advanced 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 program 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 they meet 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.

Information regarding the College Credit Plus program will be shared with parents each school year. Intent to Participate forms will be distributed to students during scheduling 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.

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 the 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 following college term.

ENGLISH LANGUAGE ARTS

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

105 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. **PREREQUISITE:** B or better in previous advanced course or teacher recommendation.

108 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 from 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.

PREREQUISITE: B or better in previous advanced course or teacher recommendation.

111 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. **PREREQUISITE:** B or better in previous advanced course or teacher recommendation.

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:** 8th grade Algebra I, or CP Algebra I concurrently, and B or higher in 8th grade advanced science or teacher recommendation

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 LAB BIOLOGY**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: B in Advanced Physical Science or teacher recommendation.

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:** B or better in Lab Biology. **Lab fee required - \$ 20.00.**

206/206L ADVANCED 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: B in Advanced Physical Science and Algebra II or concurrent with Algebra II or teacher recommendation.

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 a high level problem solving and math skills. Lab fee: \$15.00 **PREREQUISITE:** B or better in Algebra II, Geometry and Physical Science and at least concurrently enrolled in Pre-Calculus or teacher recommendation

208 SCIENCE EXPLORATIONS**GRADE 11-12****1 CREDIT**

Science Explorations is a student-driven junior/senior-level science course. Students will explore questions and science in the world around us. Topics in physics, chemistry, earth science, biology, and space will be included. This partially project-based science course will provide a more in-depth look at various concepts in science. Were you the kid that always wondered, “why?” Then this class might be for you! This class will change based on your scientific interests, and those of your classmates.

930 ENV SCIENCE AND NAT RESOURCES**GRADES 11-12****1½ 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****1½ 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 an 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 ALGEBRA I**GRADE 9****1 CREDIT**

Algebra I 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.

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 ADVANCED GEOMETRY**GRADES 9-10****1 CREDIT**

In Advanced 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:** B or higher in 8th grade Algebra I or Advanced Algebra I, or teacher recommendation

308-ADVANCED QUANTITATIVE REASONING**GRADES 11, 12****1 CREDIT**

Do not let the name of Advanced Quantitative Reasoning (AQR) deter you from this course. AQR is a newly offered math course designed for students interested in professions that do not require calculus, including (but not limited to) an elementary school teacher, graphic designer, lighting/set designer, musical composer, technical writer/editor, construction, or tradesperson. Students will have the opportunity to develop knowledge and skills through engaging group projects based on challenges and problems they may face in the real world. For example, concepts of study include real-world applications of remodeling, planning a road trip, purchasing a car, etc. Students will use hands-on materials to explore, discuss, and meaningfully construct concepts that are relevant to their future.

PREREQUISITE: Algebra I, Geometry

307 ADVANCED ALGEBRA II**GRADES 10-11****1 CREDIT**

Advanced 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:** B or higher in Advanced Geometry, or teacher recommendation.

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:** B or higher in Advanced Algebra II and Advanced Geometry, or teacher recommendation.

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 lines. **PREREQUISITE:** B or higher in Advanced Algebra II, Advanced Geometry and Pre-Calculus or teacher recommendation.

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: B or higher in Advanced 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:** B or higher in U.S. History or teacher recommendation

FOREIGN LANGUAGE

506 EXPLORING SPANISH**GRADES 9-12****1 CREDIT**

Are you interested in traveling to a Spanish speaking country someday? Or, do you want to learn about cultures from different parts of the world? Or, are you looking to learn some basic Spanish vocabulary? This course is designed to be an introduction to language and culture. Students will explore and develop beginning speaking and comprehension skills while building vocabulary and learning about other cultures. This will be learned through units of study including greetings, weather, food, and family, in addition to the diverse cultures of twelve of the twenty one different Spanish speaking countries. It is an elective course and is not for those students who have already taken a Spanish class. This is not an advanced course and will not fulfill the foreign language requirement for an honors diploma.

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. **This is an advanced course.** 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:** B or higher in Spanish I or teacher recommendation.

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:** B or higher in Spanish II or teacher recommendation.

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:** B or higher in Spanish III or teacher recommendation.

HEALTH / PHYSICAL EDUCATION

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. Teacher recommendation may be required.**

716/716A WEIGHTLIFTING (semester course)**GRADES 11-12****¼ CREDIT**

For this weightlifting class, you must be a junior or senior or have teacher approval. Daily, you must have a change of clothes for the class as well as appropriate shoes. No exceptions. For this class, you will be in the weight room every day. There will be no gym time for this class. You must have a seriousness of purpose to want to better yourself in the weight room.

BUSINESS

608 BUSINESS FOUNDATIONS

GRADE 9

1 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. **Lab fee: \$10.00**

628 BUSINESS COMMUNICATIONS

GRADES 10-12

1 CREDIT

In this class students will develop oral, visual, and interpersonal communication skills. This class will offer students an opportunity to speak professionally to an audience, along with communicating through various platforms that you would normally see in a business environment. Students will also obtain industry approved credentials in areas of Microsoft Office and Professional Communications. Students will end the class with multiple certifications that they can take to use beyond the classroom. **Lab fee: \$10.00**

631 DIGITAL DESIGN IN MARKETING

GRADES 11 - 12

1 CREDIT

Students will develop skills in digital design to create advertisements, logos, websites and more while obtaining industry approved credentials that will help them beyond the classroom. In this class, students will learn how to use Adobe programs such as Photoshop, Illustrator, Dreamweaver, InDesign, and Animate. Students will also receive certificates in each program by the end of the class to help build their resumes in addition to obtaining new skills that will put them ahead after graduation. **Lab fee: \$10.00**

633 PITCHING AND PRESENTING: THE COLT STORE

GRADES 11-12

1 CREDIT

In this class students will learn the strategies and techniques of professional selling. Students will have the opportunity to use the skills they have developed by implementing and creating fun, intriguing ideas for their peers. Students will develop fundraising ideas that will lead to starting up and maintaining a school store. **Lab fee: \$10.00**

VISUAL ARTS

801 (GRADES 9 & 10) or 800 (GRADES 11 & 12) FOUNDATIONS OF ART

1 CREDIT

This class is open to students 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 paintings. The student will develop 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:** Successful completion of Art Foundations/Art I

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 coursework in Art I and Art II, the student will continue to compile a portfolio and develop an understanding of career choices available to the artist. **Lab fee: \$20.00. PREREQUISITE:** Successful completion of Art II

810 PHOTOGRAPHY/PHOTOSHOP**GRADES 11-12****1 CREDIT**

This course teaches the basics of creating and editing digital photographs using cameras, cell phones, iPads and other digital media. Photoshop and Lightroom will be utilized with the goal of obtaining the 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.

820 CHOIR**GRADES 9-12****1 CREDIT**

Choir 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 performances 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 performances at all concerts and contests are required.**

830 GUITAR**GRADES 9 - 12****1 CREDIT**

In this 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.

823 MUSIC BUSINESS**GRADES 10 - 12****1 CREDIT**

A growing number of professionals make a living in industries related to arts and communications. From event management to tracking expenses, students learn the business side of visual, media and performing arts. Topics include marketing, branding, producing, promoting, booking, budgeting and merchandising, etc. Students learn and apply intellectual property rights, licensing, copyright, royalties, liabilities and contractual agreements. They learn how both profit and non-profit organizations businesses operate.

822 MUSIC PRODUCTION AND TECHNOLOGY**GRADES 10 - 12****1 CREDIT**

Students put music theory and basic music skill into practice as they engineer sound for live and recorded production. They create, capture, edit, mix and synchronize music into audio and video tracks of various formats. Topics include acoustics, reflection, absorption of sound and reverberation. Students create products based on research of audience sensitivity and need and do so in compliance with laws related to intellectual property and competition.

824 MUSIC THEORY**GRADES 9 - 12****1 CREDIT**

This class is designed for students of all levels of musical experience who wish to gain a better understanding of the fundamentals of music. Using the keyboard and music software programs, students will explore the concepts of rhythm, melody, harmony, form, and musical notation.

825/825A AMERICAN MUSIC (semester course)**GRADES 9 - 12****½ CREDIT**

American Music is a project based class that will cover the history of American music and how it was influenced by American culture. In this class, students will learn about Jazz, Rhythm and Blues, Country, Rock and Roll, and other genres of American music up to the present day.

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 identifying, diagnosing, and maintaining 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 an 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 SCIENCE 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.**

935 WOODLANDS AND WILDLIFE

GRADES 11-12

1 ¼ CREDITS

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. **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 **240 hours** of supervised work in one year and keep documentation of hours and work experience. Students will be observed monthly (or as needed) by the instructor.

ADDITIONAL ELECTIVES

113 FRESHMAN FOCUS (semester course)

GRADE 9

½ CREDIT

This is a writing course with an emphasis on speech communication and tech literacy. Students will learn to use correct formatting, structure, and how to write and speak persuasively while discovering the practical skill of public speaking using visual aids to enhance speaker presentations. This course will help students improve their grammar, diction, and mechanics while utilizing everyday technology and experimenting with project learning.

430 COMPUTER BASICS (semester course)**GRADE 9****½ CREDIT**

Students will learn the ins and outs of their Chromebooks. They will also utilize a typing program to work on the speed and accuracy of their keyboarding skills. Students will also get the opportunity to learn a few coding skills and how to use their Google Suites account.

609 FINANCIAL LITERACY (semester course)**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.

705 HEALTH (semester course)**GRADE 10****½ CREDIT**

The following topics will be included in this semester course of health: the nutritive value of foods, the harmful effects of and legal restrictions against the use of drugs of abuse, alcoholic beverages, and tobacco, venereal disease education, dating violence prevention education, and prescription opioid abuse prevention.

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.

290/290A STEM (semester course)**GRADES 11-12****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 an elective course.

426/426A CURRENT ISSUES (semester course)**GRADES 10-12****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. This course will also produce the Colt News for the school. 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.

427/427A AMERICAN CULTURE (semester course) GRADES 9-12 ½ CREDIT

This course will explore twentieth century American culture including but not limited to art, music, film, fashion, sports, family structure, technology, and much more. Students will engage with primary and secondary sources to make connections between twentieth century historical events and resulting cultural effects. Students will take ownership of their learning through interactive and engaging classroom activities.

429 MONEY MANAGEMENT 101:ALL ABOUT THE BENJAMINS GRADES 11-12 1 CREDIT

This course is aligned with the Ohio Social Studies Content Standards for Economics and Financial Literacy. The goal of this course is to help students understand basic economic principles as well as learn basic money management and investing techniques to help navigate the financial world of the 21st century. The topics covered in this course include but are not limited to the following: economic systems, supply, demand and prices, taxes and protections, loan cycles and interest, credit scores, credit management and debt management, basic securities, stock investment, and real estate investment, and personal finance management including earnings statements and budgeting. **Prerequisites:Must have passed Financial Literacy with at least a B and must have passed 2 years of high school math courses**

435 HISTORY OF MODERN WARFARE (semester course) GRADES 10-12 ½ 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, patterns of imperialism, and progression of strategy of warfare with an emphasis on American Wars. This course will count as a social studies elective course. (1st semester) **PREREQUISITE:** Successful completion of Modern World History.

437 GEOGRAPHY (semester course) GRADES 10-12 ½ CREDIT

Geography provides students with an analytical view of how geographic factors influence human behavior on earth. Students will examine how the physical and cultural geographic factors contribute to varying levels of cooperation within American and world regions. Additionally, students will examine the importance that political, environmental, and economic factors have in a region's development. Maps, charts, and documents will be used extensively. This course will count as a social studies elective course. (2nd semester)

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.

438 TEEN LEADERSHIP GRADES 11-12 1 CREDIT

This course is in association with Teen Leadership Corps Ohio, a state led initiative to create service based leadership in schools. The class is structured to help students learn how to lead in their life, school and community through a variety of activities.This class will direct various assemblies, school initiatives and outreach events as well as include conferences and activities with other schools' programs. Teen

Lead turns students into the best version of themselves while simultaneously transforming the building into a positive learning environment. **PREREQUISITE:** Must be at least a sophomore, pass the application and interview process, and have a 3.0 cumulative GPA

840 MEDIA ARTS 101

GRADES 10-12

1 CREDIT

In this first course of the Media Arts pathway students will learn the basics of how to convey messages through journalism, commercial advertising and marketing. They review the accuracy and impact of words and visuals used in news, advertisements and commercials. They learn essential terminology and basic tools for delivering messages. They understand the content length, deadlines and responsibilities of various delivery channels.

PRE-APPRENTICESHIP OPPORTUNITIES AT MHS

Pre-Apprenticeship Application Process:

- ☐ Student must complete application to enroll into the pre-apprenticeship program during scheduling
- ☐ Application must be signed by student, parent, and program coordinator
- ☐ Student must be at least 16 years of age with enough credits to be of Junior status (10.5+) with all freshman and sophomore core content area credit successfully completed. Exceptions will be made per principal and business partner's discretion.
- ☐ Some pre-apprenticeships have other requirements.

Agriculture, Food, and Natural Resources Pre-Apprenticeship

Requirements to Complete Pre-Apprenticeship Program:

- ☐ Students must complete one of the following courses with a C- or better:
 - ☐ Agriculture, Food, and Natural Resources
 - ☐ Animal and Plant Science
 - ☐ Mechanical Principles
 - ☐ Animal Anatomy & Physiology
 - ☐ Environmental Science for ANR
 - ☐ Livestock Selection
 - ☐ Business Management for Agriculture and Environmental Systems
- ☐ Students must complete the WorkKeys assessment (Applied Mathematics, Graphic Literacy, & Workplace Documents) **unless otherwise exempt**
- ☐ Students must demonstrate proficiency in the Work Based Learning competency evaluation
 - ☐ Job Shadowing
 - ☐ Internships
 - ☐ On-the-Job Training
 - ☐ Tours of Facilities

Architecture & Construction Pre-Apprenticeship

Requirements to Complete the Pre-Apprenticeship Program:

- ☐ Students must complete one of the following courses with a C- or better:
 - ☐ HVAC
 - ☐ Construction Careers
 - ☐ Introduction to Careers in Architecture and Construction
- ☐ Students must complete the WorkKeys assessment (Applied Mathematics, Graphic Literacy, & Workplace Documents) **unless otherwise exempt**
- ☐ Students must demonstrate proficiency in the Work Based Learning competency evaluation
 - ☐ Job Shadowing
 - ☐ Internships
 - ☐ On-the-Job Training
 - ☐ Tours of Facilities

Education Pre-Apprenticeship

Requirements to Complete Education Pre-Apprenticeship Program:

- ☐ Students must complete one of the following courses with a C- or better:
 - ☐ Introduction to Careers in Education and Training
 - ☐ Teaching and Training Careers
- ☐ Students must complete the WorkKeys assessment (Applied Mathematics, Graphic Literacy, & Workplace Documents) **unless otherwise exempt**
- ☐ Students must demonstrate proficiency in the Work Based Learning competency evaluation
 - ☐ Job Shadowing
 - ☐ Internships
 - ☐ On-the-Job Training
 - ☐ Tours of Facilities

Health Science Pre-Apprenticeship

Requirements to Complete Health Science Pre-Apprenticeship Program:

- ☐ Student must complete one of the following courses with a proficient score:
 - ☐ STNA
 - ☐ Home & Community Based Service Content
 - ☐ Careers in Allied Health
 - ☐ Introduction to Careers in Health
 - ☐ Introduction to Health Science
 - ☐ Therapeutics: The Art of Restoring and Maintaining Wellness
- ☐ Student must complete the WorkKeys assessment (Applied Mathematics, Graphic Literacy, & Workplace Documents) **unless otherwise exempt**
- ☐ **Student must maintain 90% attendance throughout the program**
- ☐ Student must demonstrate proficiency in the Work Based Learning competency evaluation
 - ☐ Job Shadowing

- ☐ Internships
- ☐ On-the-Job Training
- ☐ Tours of Facilities

Hospitality & Tourism Pre-Apprenticeship

Requirements to Complete Pre-Apprenticeship Program:

- ☐ Students must complete one of the following courses with a C- or better:
 - ☐ Food Safety & Sanitation
 - ☐ Planning Meetings & Special Events
 - ☐ Sustainable Service Management for Hospitality & Tourism
- ☐ Students must complete the WorkKeys assessment (Applied Mathematics, Graphic Literacy, & Workplace Documents)
- ☐ Students must demonstrate proficiency in the Work Based Learning competency evaluation
 - ☐ Job Shadowing
 - ☐ Internships
 - ☐ On-the-Job Training
 - ☐ Tours of Facilities

Information Technology Pre-Apprenticeship

Requirements to Complete Information Technology Pre-Apprenticeship Program:

- ☐ Students must complete one of the following courses with a C- or better:
 - ☐ Introduction to Information Technology Support and Services
 - ☐ Fundamentals of Computer Systems
- ☐ Students must complete the WorkKeys assessment (Applied Mathematics, Graphic Literacy, & Workplace Documents) **unless otherwise exempt**
- ☐ Students must demonstrate proficiency in the Work Based Learning competency evaluation
 - ☐ Job Shadowing
 - ☐ Internships
 - ☐ On-the-Job Training
 - ☐ Tours of Facilities

Manufacturing Pre-Apprenticeship

Requirements to Complete Manufacturing Pre-Apprenticeship Program:

- ☐ Student must complete one of the following courses with a proficient score:
 - ☐ Manufacturing Production Standards - Guernsey Manufacturing Businesses
 - ☐ Mechanical Principles
 - ☐ Welding I
 - ☐ NuCamp Training Academy
- ☐ Student must complete the WorkKeys assessment (Applied Mathematics, Graphic Literacy, & Workplace Documents) **unless otherwise exempt**
- ☐ **Student must maintain 90% attendance throughout the program**
- ☐ Student must demonstrate proficiency in the Work Based Learning competency evaluation

- ☐ Job Shadowing
- ☐ Internships
- ☐ On-the-Job Training
- ☐ Tours of Facilities

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

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)

82120W 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)

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)

8309W CCP MATH 2110 Principles of Statistics (semester course)

4 SEM HRS

Introduction to the vocabulary, concepts, formulas, and presentation of statistics as applied to business and the sciences. This course focuses on measures of central tendencies and dispersion; probability; sampling practices and theory, and probability distributions with emphasis on binomial and normal distributions. Calculator usage will be incorporated into this course. (1st semester)

8305W CCP MATH 2130 COLLEGE ALGEBRA (semester course)

4 SEM HRS

Application-based course on functions and graphs, systems of linear equations, 3x3 determinants, factoring, quadratic equations and inequalities, exponents and radicals, and logarithms. (2nd semester)

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

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).

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 upcoming school year.

BIO 101	Intro to Anatomy and Physiology
BUS 121	Business Administration
BUS 221	Microeconomics
BUS 222	Macroeconomics
ENG 124	College Comp I
ENG 231	College Comp II
HIS 121	US History
HIS 221	World Civilization
MTH 124	Statistics
PHL 122	Ethics
PSC 121	Political Science
PSY 121	General Psychology
PSY 123	Human Growth and Development
PSY 221	Abnormal Psychology
SOC 121	Sociology
SOC 225	Cultural DiversitY