

# Viking Voyage



MIAMISBURG HIGH SCHOOL  
2016–2017 COURSE CATALOG • ISSUE 15

*What Course Will You Take?*

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## THE 2016–17 VOYAGE

With this edition of the “Viking Voyage” program of studies, you will find all the registration information you will need for courses for the 2016–2017 school year. Be sure to explore the entire publication for new courses, new requirements and new information so that you can chart your career choice. Happy sailing!

## COMMITMENT

Course selection is an important task for students and parents to consider carefully. Although we do our best to accommodate student requests, it is sometimes impossible due to conflicts in the schedule. When this occurs, students and parents will be provided with alternate options to best meet the needs of the student. Once the master schedule has been set, it is very difficult for students to change their course selections. Academic misplacement is the only reason a schedule will be changed. Parental involvement and support in the course scheduling process is important and appreciated!

## STUDENT REGISTRATION

Every student must maintain a full schedule each semester. Please take note of prerequisites when making course selections. Enrollment numbers may determine if electives are to be offered. For example, third and fourth year language classes might be combined, cancelled, or taught as separate classes. Ohio State Test results (i.e. failure of a test area) may dictate course placement. Students must choose alternative courses to be used if classes are cancelled or if first choice classes cannot be scheduled.

Students should give much thought to course selection. Only necessary changes may be made either prior to the beginning of school or during the first week of each semester.

## GRADE CLASSIFICATION

All first year high school students are classified as Freshmen (ninth graders).

All second year high school students are classified as Sophomores (tenth graders).

All third year high school students are classified as Juniors (eleventh graders).

All fourth year high school students are classified as Seniors (twelfth graders). Senior status does not guarantee graduation. Students must meet graduation requirements to graduate.

## TRANSCRIPTS

Requests for transcripts of high school grades should be made through the Counseling Office. Each request costs \$2.00 for current students. The final transcript to a college upon graduation is sent at no charge.

Alumni of Miamisburg High School should request their high school transcripts from the High School Counseling Office for five years following graduation. After five years of graduating, requests should be made to the Miamisburg Board of Education Office, 540 East Park Avenue, Miamisburg, Ohio 45342, telephone number 937-866-3381. The cost for graduates is \$3.00 per transcript request.

## OHIO STATE TESTING

Students in the Class of 2017 will continue to be required to take and pass all parts (Math, Reading, Science, Social Studies, Writing) of the Ohio Graduation Test. This test will end with the Class of 2017. Students in the class of 2018 and beyond will be required to take the Ohio State Tests in the form of seven (7) End of Course Exams.

## ADVANCED PLACEMENT AND HONORS COURSES

Course availability is student driven, therefore a student who qualifies to enroll in Advanced Placement or Honors courses will not be permitted to drop the course unless academically misplaced. Students enrolled in Advanced Placement classes will be required to take the Advanced Placement Examination at the end of the year to fulfill the course requirements.

## COLLEGE PREP COMPLETE CORE CURRICULUM

(As recommended by the Ohio State Board of Regents for College Admission)

Since 1986 the college preparatory policies have been in effect at all state universities in Ohio. There is some variation among state schools in the requirement of science and social studies. See your counselor for clarification. The complete Core Curriculum is as follows:

- 4 units of English
- 4 units of mathematics
- 4 units of sciences, including biology, chemistry and/or physics
- 4 units of social studies
- 3 units of a single foreign language
- 1 unit of fine arts



# REQUIRED CREDITS FOR GRADUATION

To earn a diploma, a student must successfully complete required credits \* (see chart below), meet state testing requirements, and meet the following specific requirements.

<b>SUBJECT AREA</b>	<b>REQUIREMENTS FOR GRADUATES 2015 AND BEYOND</b>
ENGLISH LANGUAGE ARTS	4 credits
MATHEMATICS	4 credits taken in grades 9–12 (Must include 1 credit of Algebra II or the equivalent of Algebra II).
SCIENCE	3 credits (Must include 1 credit of physical sciences, 1 credit of life sciences and 1 credit advanced study in one or more of the following sciences: Chemistry, Physics, or other physical science; Advanced Biology or other life science.
SOCIAL STUDIES	3 credits (Must include 1 credit of U.S. History, and 1 credit of Government; beginning with the Class of 2019 1 credit of Social Studies 9 (World History).
HEALTH	1/2 credit
PHYSICAL EDUCATION	1/2 credit (Maximum ONE credit toward graduation is allowed in Physical Education.) Students are required to take Physical Education I and Physical Education II.
FINE ARTS	1 credit Fine Arts – Art, Music, Film Criticism, Introduction to TV, Introduction to Acting and Theater.
ELECTIVES	6 credits - Must include: one credit or 2 half credits in Business, Technology, Fine Arts or World Language, 1/2 credit in Family Consumer Sciences and 1/2 credit in computers (Computer Applications recommended). Counselors will assist students with recommended electives.
<b>TOTAL NUMBER OF CREDITS REQUIRED TO GRADUATE</b>	<b>22</b>

In addition to the state minimum requirements for graduation, Miamisburg City Schools require additional credits to graduate. The counselors will help plan for meeting this criteria.

NOTE: It is the responsibility of each student to know how many credits he/she has earned and which ones are needed for graduation.

Maximum ONE credit toward graduation is allowed in Physical Education.

MVCTC STUDENTS:

To earn a diploma, a MVCTC student must successfully complete 22 credits, meet state testing requirements, and meet all MHS graduation requirements.

NOTE: It is the responsibility of each student to know how many credits he/she has earned and which ones are needed for graduation.

## CLASS OF 2018 & BEYOND GRADUATION REQUIREMENTS

New graduation requirements will take effect with the class of 2018. The new requirements did not change the courses or number of course credits required for students to be eligible for graduation. The requirements changed the state testing process students will engage in during their high school career and the graduation points they will earn on seven end-of-course exams.

Students will take end-of-course exams in English 9, English 10, Algebra I, Geometry, Biology, American History and American Government. Students will participate in the EOCE related to their currently enrolled courses.

Students must earn a cumulative total of eighteen (18) graduation points from the seven end-of-course exams to meet the new graduation requirements and be eligible for a high school diploma. A minimum of four (4) points must come from the English EOCE, four (4) points from math, and six (6) points from science and social studies combined. 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 enrolled in AP Biology, AP American History or AP American Government can use their scores from the AP exam in place of the state end-of-course exam to accumulate graduation points.

A student who earned high school credit in any of the above courses prior to July 1, 2014 will receive a score based on the grade earned in the course toward the total points needed for graduation. Students are able to retake these exams during 2015-2016 only to attempt a higher score.

Students may retake an exam after they receive some extra help on the material.

Students not earning 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 that will be given to the students free of charge in district their junior year. Students can also qualify for graduation by earning an approved industry-recognized credential and achieving a workforce-readiness score on a related job skills assessment.

If you have any questions concerning your child's graduation requirements, please contact his/her high school guidance counselor at 937-866-0771.

## GRADES AND GRADING

It is the responsibility of every teacher to assign a nine-week grade for each student in his/her class. It is the responsibility of the student to be aware of his/her progress in the class and the approximate grade. Constant communication between teacher and student is important. The following guidelines are intended to help maintain consistency:

1. Letter grades are used in reporting grades to students/parents.
  - A—Excellent
  - B—Above Average
  - C—Average
  - D—Below Average
  - F—Failing
  - I—Incomplete all work not in because of extended illness, etc.
  - P—Pass minimum expectations have been met.
2. Individual teachers may use the grading system of their choice to determine the letter grade (points, numerical, etc.).
3. Grading periods are nine weeks in length. Grade cards are printed and mailed home at the end of the first semester and at the conclusion of the school year only. Interim reports are no longer printed and mailed home. Students and parents may monitor up-to-date student achievement online, using the Grade Book (formerly known as Progress Book) grade reporting system. You can login to the Grade Book program from anywhere that you have Internet access at: <https://gb.mdeca.org/ParentAccess/>; or follow the Grade Book link found on the Miamisburg City Schools webpage at: <http://www.miamisburgcityschools.org>. Further information about Grade Book is available in the Counseling Office.
4. The student may request an explanation for his/her grade and receive that information at a time convenient to the teacher and student.

## WEIGHTED GRADES

MHS uses a weighted grading system to award additional numeric value for honors and advanced placement classes as follows:

Regular class:

Earned grade of A 4 points

Weighted Honors Class:

Earned grade of A 4.4 points (factor of 1.1)

Advanced Placement Class:

Earned grade of A 4.8 points (factor of 1.2)

These points establish the GPA (Grade Point Average), which will determine the valedictorian and salutatorian. Class rank will be decided by GPA after eight semesters. Only classes taken at an accredited high school can be used to accumulate these points for ranking.

## A & B HONOR ROLL REQUIREMENTS

At the conclusion of each nine week grading period a computer calculation of grade point averages is compiled. The qualification for each honor roll is as follows:

A Honor Roll 3.5 and above

B Honor Roll 3.00 – 3.49

## COMPUTING GRADES

- All courses will culminate with an exam or research project worth 20% of the final grade.
- For year-long classes, final grade will be determined by averaging the four quarter grades at 20% for each quarter and both semester exams at 10% for each exam.
- For semester courses, the final grade will be determined by averaging the two quarter grades at 40% for each quarter and the final exam grade at 20%.

Percent	Letter Grade	Regular	Honors	AP
		Grade 9, 10, 11, 12	Grade 9, 10, 11, 12	Grade 9, 10, 11, 12
92–100	A	4.00	4.40	4.80
90–91	A-	3.80	4.18	4.56
88–89	B+	3.20	3.52	3.84
82–87	B	3.00	3.30	3.60
80–81	B-	2.80	3.08	3.36
78–79	C+	2.20	2.42	2.64
72–77	C	2.00	2.20	2.40
70–71	C-	1.80	1.98	2.16
68–69	D+	1.20	1.32	1.44
62–67	D	1.00	1.10	1.20
60–61	D-	0.80	0.88	0.96
0–59	F	0.00	0.00	0.00

GPA and class rank are calculated at the end of each semester, but are not recorded on the permanent record until the end of the junior year. Both GPA and class rank will appear on the students' permanent record for the sixth and seventh semesters.

## DIPLOMA WITH HONORS

Students may receive a diploma with honors if they meet the following criteria adopted by the State Board of Education. GPA for Diploma with Honors will be determined after 7 semesters.

- Successfully completing the graduation requirements or individualized education program developed by the high school,
- meet state testing requirements
- meeting the criteria for honors provided below.

The student who completes the high school Academic Pathway must meet at least seven of the following eight criteria.

- Earn four credits of English;
- Earn four credits of mathematics which shall include algebra I, algebra II, geometry and another higher level course;
- Earn four credits of science including one unit of physics and one unit of chemistry;
- Earn four credits of social studies;
- Earn either three credits of one or two units each of two foreign languages;
- Earn one credit of fine arts;
- Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year; or
- Obtain a composite score of 27 on the ACT (excluding the optional writing test), or a combined score of 1210 on the SAT verbal and mathematics sections (excluding the required writing section).

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

- Earn four credits of English;
- Earn four credits of mathematics which shall include algebra I, algebra II, geometry and another higher level course;
- Earn four credits of science including two advanced sciences;
- Earn four credits of social studies;
- Earn four credits in the student's vocational or technical education curriculum;
- Achieve the proficiency benchmark established for appropriate Ohio Career-Technical Competency Assessment or equivalent;
- Maintain an overall high school grade point average of at least 3.5 on a 4.0 scale up to the last grading period of the senior year; or
- Obtain a composite score of 27 on the ACT (excluding the optional writing test), or a combined score of 1210 on the SAT verbal and mathematics sections (excluding the required writing section).

The Career Technical Honors diploma criteria only applies to students at MVCTC. Tech Prep students at MHS must meet the standard Diploma with Honors criteria; they cannot use the Career Technical Honors criteria.

## COLLEGE CREDIT PLUS

Beginning with the 2015-2016 school year, College Credit Plus (CCP) replaced the PSEO and Dual Enrollment options. It has been established to permit college-ready students in grades seven (7) through twelve (12) to earn college credit and high school graduation credit through the successful completion of college courses. The program is intended to provide expanded opportunities for appropriately qualified students to experience coursework at the college level. A 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.

Students must follow the process and procedures and meet the eligibility requirements put in place by the Ohio Department of Education, the higher education institution, and high school to apply for admission into the College Credit Plus program and the higher education institution. The process, procedures, and eligibility requirements may vary by higher education institution.

An annual student and parent informational meeting is held at Miamisburg High School expanding on the details of the College Credit Plus option. Please contact the counseling office for the date and time of the annual meeting. Attendance by one parent or designee at this meeting is mandatory for students interested in the College Credit Plus program. Students interested in this option are still eligible to enroll in high school courses at Miamisburg High School.

There is no cost for students to participate in College Credit Plus when the student is enrolled in a public college or university. The school district is responsible for the College Credit Plus tuition costs and textbook cost. Students are responsible for fees associated with the courses and transportation.

College Credit Plus courses will be calculated into a student's high school cumulative GPA after successful completion of the course. If a College Credit Plus course is in a department that offers courses on a weighted grading scale, the CCP course will receive weighted grading also. Courses with weighted grades are identified in the course description.

## 35 HOUR PATHWAY

Course Number	Course Name	Credit Hours
ENG-1101	English Composition I	3
ENG-1201	English Composition II	3
HIS-1111	Western Civilization I	3
HUM-1125	Introduction to Humanities	3
CIS-1107	Introduction to Operating Systems	3
COM-2211	Effective Public Speaking	3
COM-2206	Interpersonal Communication	3
MTH-1280	College Algebra	4
MTH-1350	Analytic Geometry and Trigonometry	3
EGR-1010	Introductory Mathematics for Engineering	4
MUS-1010	Theory of Music I	3



## FLEXIBLE CREDIT PLAN

Miamisburg High School offers a special “flexible” plan for students to earn credits for graduation. There are three possible options of the Flex Credit program: **Flex Mastery**—Students may use the program to ‘test out’ of a class not previously taken outside the regular school day. **Flex Educational Options**—students may work with high school staff and other online and college educators to plan advanced course work. **Flex Recovery**—Students may use the program to make-up classes they have not passed. Students will be required to complete an application and develop a plan for a flexible credit option in conjunction with the help of their parents, counselor and teachers. Students will have to spell out specifics for the option, course(s), credit(s), method(s) and time line in their plan. Students will submit the Credit Flexibility Plan to the MHS Flex Credit Committee for review.

- **CORRESPONDENCE COURSES:** Credit for correspondence school courses may be applied toward graduation, provided: that prior authorization to enroll in correspondence courses has been given by the high school counselor or principal, or by a school official designated by the Superintendent of schools. Tuition and fees are the responsibility of the student/parent.
- **ON-LINE EDUCATION:** Requires application and approval by Flex Credit Committee.
- **SUMMER SCHOOL:** Application in May (Recovery credit only).
- **CREDIT FLEXIBILITY:** Requires request form and an approved plan for demonstration of proficiency / mastery of course content. Flexible credit forms must be submitted to the high school counselor 45 days prior to the start of the school year.
- **PHYSICAL EDUCATION FLEX CREDIT:** The flex credit policy allows a student who participates in a regular, structured physical activity to flex credit 1/4 credit of Physical Education. To flex 1/4 credit, the student must participate in 60 hours of activity during the specified semester, and complete written assignments. Students must also attend a session scheduled during the semester to complete the required assessments associated with the 1/4 credit. An application should be submitted to the Counseling Office prior to the beginning of the semester of the activity.

## PHYSICAL EDUCATION WAIVER

The district recognizes that an effective educational program is one that provides opportunities for students to customize aspects of their learning around their respective needs and interests. The Physical Education Waiver allows students to increase their learning by allowing access to more resources, customization around individual student needs and the use of multiple measures of learning.

In accordance with State law, the Physical Education Waiver allows the District to excuse students who have participated in two years or two seasons of interscholastic athletic competition, marching band, or cheerleading from their 1/2 credit physical education requirement. If the physical education graduation requirement is waived, students must take a 1/2 credit course to meet the graduation requirement.

Students utilizing a PE waiver will receive no credit and no grade for Physical Education. Participation in only one full season cannot be combined with 0.25 credits of PE to meet the PE requirement for graduation. Should a student become injured or not complete the season for ANY reason he/she must find an alternate way to satisfy his/her PE requirement.

Students must indicate their desire to waive Physical Education on their course selection sheet during scheduling time.

## PORTFOLIO FOR VISUAL COMMUNICATIONS AND ART MAJORS

Are you interested in a college major related to an art field? Whether it is a traditional art field such as art education or something more “out of the box”, such as visual communications or graphic designs, most colleges now require a portfolio for admission and definitely for scholarship.

A portfolio is a body of work representative of what you have accomplished in high school related to your art. A portfolio usually is accomplished over a period of time, not gathered in a week or two. It is imperative that students interested in selected career fields give themselves adequate time to take both the course work required, and are able to devote themselves to develop the works of art that make a great portfolio.

Therefore, make sure you visit colleges of your choice either in person or online to determine whether or not you will need a portfolio for admission or scholarship.

## AMERICAN COLLEGE TESTING (ACT)

The ACT test assesses high school students’ general educational development and their ability to complete college-level work.

Cumulative GPA... ACT scores... Class Rank... College Applications... We, in the Counseling Office, know how stressful the college process is for our students. That is why we became an ACT testing center. We wanted our MHS students to be as comfortable as possible when they take their ACT test.

We offer 100 seats for the ACT test in September. We would like to be able to test 100% Miamisburg High School students. So please register as soon as possible. To register for the ACT test at MHS, visit [www.actstudent.org](http://www.actstudent.org). Our test center code is 214010. We encourage all students to take the ACT with writing the first time they test. They only need to take the writing portion one time. Another important number when registering for the ACT is the MHS code which is 363–385. This insures that we receive your test scores so they can go on your official transcript.

Many students and parents are curious about how to prepare for this junior or senior test. The most important preparation is a strong college-prep curriculum with three years of a world language. In addition, we recommend the ACT Online Prep. This is the only test preparation program designed exclusively by ACT test development professionals. The cost is \$24.95 and it is good for one year. You can order at 1-800-498-6065 or online at [www.actstudent.org](http://www.actstudent.org).

## ATHLETIC/EXTRACURRICULAR ELIGIBILITY

**SCHOLASTIC ELIGIBILITY:** A student must have passed a minimum of five one-credit courses in the preceding academic term in order to be eligible to participate in interscholastic activities, with a minimum GPA of 1.0. When an academic term ends during a sport season, the student must have passed a minimum of five one-credit courses during the completed term in order to remain eligible in the new term. Credits earned in summer school may not be used to calculate eligibility.

**WEEKLY ELIGIBILITY:** Grades are monitored on a weekly basis while the student is participating in interscholastic athletics. Any time the weekly grade check reveals that the student is receiving failing grades in two or more subjects, the student becomes ineligible for the ensuing week (Monday through Sunday), and until the next weekly grade check reveals no more than one failing grade.

**DAILY ELIGIBILITY:** A student who is absent (unexcused) is not eligible to participate in any interscholastic activity (practice or event) on that date. Students who do not arrive before 7:33 a.m. (or the equivalent time when the opening of school is on a delay) are considered to be absent unexcused.

**RESIDENTIAL ELIGIBILITY:** A student must meet all of the age, enrollment, attendance and scholastic requirements of the Ohio High School Athletic Association (OHSAA) in order to be eligible for interscholastic activities. While participating for the high school or middle school in an interscholastic sport, the student may not participate in any activities (practice, tryouts, events) of the sport for any outside group or organization.

## EXTRACURRICULAR ACTIVITIES

Extracurricular activities are an important part in the lives of our students. Research indicates that when students are involved in extracurricular activities, they achieve at higher levels.

Relationships in the extracurricular setting are vital in helping students learn team building, decision making and leadership skills. This participation also increases student creativity, organizational skills, time management, and people skills. Extracurricular activities provide a way to make friends with other students who share a common interest and can make the high school years more enjoyable.

Miamisburg High School offers a wide variety of activities. We are proud of our athletic program which includes all of the typical high school offerings, as well as gymnastics, bowling, and swimming. We encourage students to take advantage of our co-curricular activities as well. Ski Club, International Club, Yearbook, Academic Challenge Team, Performance Arts and many others, give students other avenues for service and achievement. Why not get involved and explore the opportunities that are available here at MHS? A brochure with a list of advisors is available in the Counseling Office.

## NCAA ELIGIBILITY

The NCAA (National Collegiate Athletic Association) Initial Eligibility Center is the body assigned by the NCAA to certify student athletes for eligibility to participate in college athletics. The center collects transcripts from the high school, test scores directly from ACT or SAT, and then makes a ruling on the academic status of the athlete.

In order to practice or play at an NCAA Division I or II institution, a student must satisfy minimum academic requirements of NCAA Bylaw 14.3. This applies to BOTH scholarship and non-scholarship athletes.

Student athletes who may be considering playing sports at the college level are advised to choose high school courses carefully. Students should review the list of NCAA approved core classes before making final selections during the scheduling process. Visit the website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org) and go to prospective athletes. Use the MHS access code (363–385) to view the MHS approved core classes, or see your counselor for assistance.

Student athletes should register with the NCAA Center at the end of their sophomore year. Students should request a transcript be sent to the Eligibility Center, from their school counselor. In addition, every time a student athlete takes the ACT or SAT, the scores should be reported to the NCAA. This is accomplished by entering the NCAA Clearinghouse number (Code 9999) during the ACT/SAT registration process.

## NAIA ELIGIBILITY

The National Association of Intercollegiate Athletics Center (NAIA) Eligibility Center determines initial eligibility for student-athletes entering NAIA member colleges and universities. Students interested in participating in athletics at NAIA member schools should register on-line at: [playnaia.org](http://playnaia.org).

# COURSE DESCRIPTIONS

## ART

### 130 BASIC ART

This course is designed for all levels of art experience. The focus is on utilizing the basic art elements and principles of design in the creation of two-dimensional works of art. Students will explore the use of different drawing and painting materials (pencil, oil pastel, watercolor, marker, tempera), build artistic skills, and express creative ideas through the study of art concepts and techniques. A variety of subject matter such as landscape, still life, portrait, and design will be used as students explore and expand their knowledge of art past and present.

*PREREQUISITE:* None. Open to grades 9–12.

Fee: \$12.00

Credit 1/2

### 131 DRAWING

This course is designed to teach students to draw what they see and what they imagine. A variety of media will be introduced including pencil, charcoal, chalk, oil pastel, and paint as a drawing media. Students will explore a variety of subject matter and styles both realistic or unrealistic inspired by art traditions of the past and present such as drawing people, still life, masks or landscape. The emphasis will be on student interpretation in each assignment as they add their own personal expressive ideas and imagination. As the art world of today continues to explore old and new ways to create art of varied size and dimension we will also explore the many ways to create “drawings”.

*PREREQUISITE:* Completion of Basic Art with a “C” or above, or teacher approval. Open to grades 10–11. Freshmen can take this course second semester with teacher approval.

Fee: \$15.00

Credit 1/2

### 132 PAINTING

This class is designed to teach students the skills to paint as a way to create contemporary and traditional artwork. No prior experience with painting is required. Paint can cover many surfaces such as canvas, wood or plastic, allowing students to work with things such as textural effects, sculpture or combining paint with collage or photography. A variety of paint such as tempera, watercolor, acrylic and oil will be used by students as they create work using many styles and a variety of subject matter allowing individual creativity and freedom.

*PREREQUISITE:* Completion of Basic Art, with a “C” or above, or teacher approval. Open to grades 10–11. Freshmen can take this course second semester with teacher approval.

Fee: \$20.00

Credit 1/2

### 136 ADVANCED ART

This class is for any student who has taken Basic Art, Drawing and Painting and wants to continue their study of art. Each student will focus on developing and improving their skills. The assignments are theme or subject based with a strong focus on student choice and interpretation of the assignment.

Advanced Art can be taken up to four times for credit and can be taken more than once during the year. It can be taken independently with teacher permission to accommodate individual scheduling conflicts. Advanced Art options are available for ceramics and digital art with permission of the instructor.

It is strongly recommended that any student considering an art career take this class one or multiple times to develop strong skills and a collection of work to show colleges. Students who are highly motivated can choose to do work throughout all art classes that will help them to complete an AP Drawing portfolio submitted for college credit.

*PREREQUISITE:* Successful completion of Basic Art, Drawing and Painting with a “C” or above, or teacher approval. Open to grades 10–12.

Fee: \$20.00

Credit 1/2

### 134 CONTEMPORARY CRAFTS

This class is designed for students of all ability levels to explore a multimedia approach to art and design through the study of crafts. The inexperienced student will learn and create something new, and the experienced student can stretch his/her creativity using a variety of materials. The class will teach techniques such as polymer clay, altered book, paper mache and shrink art. Students will use a wide variety of materials to create 2-D and 3-D items both functional and fun.

*PREREQUISITE:* None. Open to grades 10–12.

Fee: \$20.00

Credit 1/2

### 138 CERAMICS I

This class is designed for students of all ability levels to explore methods of shaping and constructing with clay. The class will teach slab, coil, pinch pot and sculptural building skills. Students will discover several glazing and decorative techniques expressing personal style and creativity.

*PREREQUISITE:* None. Open to grades 9–12.

Fee: \$15.00

Credit 1/2

### 139 CERAMICS II

This class explores advanced methods of shaping and constructing with clay, expanding students’ skills in slab and coil construction as well as glazing techniques. Students will experiment with wheel throwing and decorating clay using mixed media techniques.

A variety of techniques will be explored focusing on student choice and creativity.

*PREREQUISITE:* Ceramics I with a “C” or above, or teacher approval. Open to grades 10–12.

Fee: \$15.00

Credit 1/2

### 141 INTRODUCTION TO DIGITAL ART

This art course introduces students to computers as a medium for creating fine and commercial art. The course centers on using Photoshop, Illustrator and drawing to create individual works. Students will gain an in-depth understanding of camera functions. They will also begin to understand how to create digital artworks using their own photography along with computer generated images. Students will build on their understanding of composition and the principles and elements of art.

*PREREQUISITE:* Recommended Art I. Open to grades 9–12.

Fee: \$15.00

Credit 1/2

### 142 INTERMEDIATE PHOTOGRAPHY

This art course expands student photography skills from what was learned in Introduction to Digital Art. Students will work on building their personal style while continuing to grow in their Adobe Photoshop and Illustrator knowledge and abilities as it applies to editing photography. Students will get real-life practice working with clients for photo shoots which build their professional portfolio as well as their understanding of professional lighting equipment. Students will practice studio and fine art photography.

*PREREQUISITE:* “C” or above in Introduction to Digital Art; or Graphic Design or Photoshop in 2015–16. Open to grades 10–12.

Fee: \$15.00

Credit 1/2



### 140 INTERMEDIATE GRAPHIC DESIGN

This art course expands on the Graphic Design skills from Introduction to Digital Art. Students learn to think like an artist by finding inspiration, using creative problem solving and developing a personal style. Another key focus to this course will be creating compelling storytelling graphics. Students will learn to create graphics for commercial purposes. Projects may include brochures, logos, t-shirts, infographics, and more. Basic imaging equipment such as scanners, cameras and light tables are used throughout the course. Students study how images are used to sell and express ideas using technical skill, composition, and expression.

*PREREQUISITE:* “C” or above in Introduction to Digital Art; or Graphic Design in 2015–16. Open to grades 10–12.

Fee: \$15.00

Credit 1/2

Highly motivated art students may work with the art staff to create and develop an Advanced Placement (AP) portfolio of art work that can be submitted their senior year to the AP College Board. It is strongly suggested that if a student is interested in this opportunity they speak to art staff as early as their freshman year to have the time and coursework that will enable them to create a strong portfolio. The requirements are complex and challenging. Students will work within the structure of the courses offered such as Art II, III, and IV to create their portfolio. To learn more go to AP Central: [www.collegeboard.com/student/testing/ap/sub\\_studioart.html](http://www.collegeboard.com/student/testing/ap/sub_studioart.html).

## BUSINESS

### 170 INTRODUCTION TO BUSINESS

An overall introduction to the business world: includes money and banking, insurance, consumer credit, and career opportunities.

*PREREQUISITE:* None. Open to grades 9–12.

Fee: \$20.00 (includes workbook)

Credit 1/2

### 171 ACCOUNTING I A

Accounting is a course in keeping the financial records of a person, business or organization. The course includes learning accounting terminology as well as the application of learning through problems using double-entry accounting procedures. Topics covered in this class include accounting for a service business organized as a sole proprietorship. In addition, students will begin using special journals which are used in merchandising businesses. Procedures will be applied using computer software spreadsheet applications and online working papers.

*PREREQUISITE:* None. Open to grades 10–12.

Fee: \$10.00 (includes workbook)

Credit 1/2

### 172 ACCOUNTING I B

Accounting IB is a course which follows Accounting IA. Topics covered in this class include accounting for a merchandising business organized as a corporation including special journals, subsidiary ledgers, payroll, inventory, adjustments and valuation. Procedures will be applied using computer software spreadsheet applications and online working papers.

*PREREQUISITE:* Accounting IA. Open to grades 10–12.

Fee: \$3.00

Credit 1/2

### 173 KEYBOARDING I

A course designed to teach the touch system in keyboarding for personal use. Assignments include personal notes, business letters and envelopes, outlines, term papers, and resumes.

*PREREQUISITE:* Teacher/Administrator recommendation only.

Fee: \$3.00

Credit 1/2

## 176 BUSINESS LAW

This course is a survey of basic law principles, how our legal system operates, and functions of various courts with respect to a citizen's legal rights and privileges. The course is designed to illustrate civil and criminal procedures and the difference between the two. An overview of how legal contracts are formed and used in everyday business transactions is included in this course.

*PREREQUISITE:* Open to grades 10–12.

Fee: \$3.00

Credit 1/2

## 177 BUSINESS MANAGEMENT

A survey of basic management principles explained in everyday language. The student learns an appreciation for various theories of management including the contributions of prominent men in the field. Emphasis is placed on the management concepts of planning, organizing, directing and controlling. The student examines the various approaches to supervising workers in labor situations. Many related case problems offer challenge to a student's understanding of the principles discussed.

*PREREQUISITE:* Open to grades 10–12.

Fee: \$3.00

Credit 1/2

## 178 ENTREPRENEURSHIP

In this course you will learn the basics needed to plan and launch your own business. Students will learn about what it takes to own and operate a business. This course will provide you with the core skills you need to become successful. In this course you will study the characteristics of successful entrepreneurs. You will also learn about self-employment and basic economic concepts related to small businesses, such as competition and production. This course will also walk you through the steps of setting up a business, including developing a business plan, a mission and a vision, attracting investors, and marketing your company.

*PREREQUISITE:* Open to grades 11–12.

Fee: \$15.00

Credit 1/2

## 185 MARKETING

This course prepares students for entry-level and mid-management positions in retailing, wholesaling and business services occupations. A basic marketing curriculum is followed with emphasis on economics, merchandising, finance, selling, advertising and display.

*PREREQUISITE:* Open to grades 11–12.

Fee: \$20.00

Credit 1

# COLLEGE CREDIT PLUS

## ENG 1101 ENGLISH COMPOSITION I

In English Composition I, students learn reflective, analytical and argumentative writing strategies, incorporating sources and personal experience. This course will be a weighted course.

*PREREQUISITE:* None. Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 3 Semester hours

## ENG 1201 ENGLISH COMPOSITION II

English Composition II, building on the skills in English Composition I, develops rhetorical literacy through research, critical reading and multi-genre. This course will be a weighted course.

*PREREQUISITE:* Eng-1101. Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 3 Semester hours

## HIS 1111 WESTERN CIVILIZATION I

Major trends in development of Western culture, emphasizing political, economic, social and cultural achievements, from prehistory to the seventeenth century. This course will be a weighted course.

*PREREQUISITE:* None. Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 3 Semester hours

## HUM 1125 INTRODUCTION TO HUMANITIES

Explores the nature and content of the humanities by examining and analyzing various cultures from the past. In addition, this course provides an introduction to human thought, creativity, and human forms of expression. This course will be a weighted course.

*PREREQUISITE:* None. Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 3 Semester hours

## CIS 1107 INTRODUCTION TO OPERATING SYSTEMS

Introduction to operating systems and their concepts. Both the command line interface, with commonly used instructions, and a graphical interface will be used to manage and administer the current Microsoft Windows and Linux operating systems.

*PREREQUISITE:* None. Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 3 Semester hours

## COM 2211 EFFECTIVE PUBLIC SPEAKING

Designed to improve speaking and listening skills through the study and application of public speaking structure, content and style. This course will be a weighted course.

*PREREQUISITE:* None. Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 3 Semester hours

## COM 2206 INTERPERSONAL COMMUNICATION

Exploration of the development, maintenance and termination of interpersonal relationships. The focus is on effective verbal and nonverbal interactions between two people, highlighting methods of initiating and maintaining effective communication. This course will be a weighted course.

*PREREQUISITE:* None. Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 3 Semester hours

## MTH 1280 COLLEGE ALGEBRA

Graphs of linear, polynomial and rational functions, exponential and logarithmic functions and equations, and systems of equations. This course will be a weighted course.

*PREREQUISITE:* None. Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 4 Semester hours

## MTH 1350 ANALYTIC GEOMETRY AND TRIGONOMETRY

Polynomial equations, conic sections, trigonometric and inverse trigonometric functions, trigonometric identities, solution of triangles. This course will be a weighted course.

*PREREQUISITE:* MTH-1280 with minimum grade of "D". Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 3 Semester hours

## EGR 1010 INTRODUCTORY MATHEMATICS FOR ENGINEERING

Math topics most heavily used in first and second-year engineering courses. Topics include engineering applications of algebra, trigonometry, vectors, complex numbers, sinusoids and signals, systems of equations and matrices, derivatives, integrals and differential equations Integrated Writing course.

*Prerequisite:* Wright State University Math Placement 05 or ACT Math 25.

Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 4 Semester hours

## MUS 1010 THEORY OF MUSIC I

Theoretical study of music through written exercises including melody, harmony, rhythm, form and analysis.

*PREREQUISITE:* None. Open to grades 9–12 for accepted students.

High School Credit: 1

College Credit: 3 Semester hours



# COMMUNITY INVOLVEMENT PROGRAM

## 890 SERVICE LEARNING/TEACHER ASSISTANTS

This course offers students an opportunity to volunteer in our schools or community service agencies such as hospitals, nursing homes, literacy programs or programs for children with special needs. The majority of students will be volunteering within our school district assisting a teacher or office. Direct involvement with others in the community helps gain skills, explore careers, and apply learning from the abstract to real-life situations. It encourages social responsibility and good citizenship and builds self-esteem and confidence while benefiting the community with student volunteered time, talent, energy and idealism. Participation is limited each quarter. Students will be required to complete an outside community service project as approved by the course advisor.

*PREREQUISITE:* Open to grade 12. Administrator approval. Credit 1/2

## 881/882 INTERNSHIP

This class offers an internship opportunity, giving students first hand experience in a career field of interest. The internship provides opportunities to meet experienced adults in a chosen career cluster and build a professional support system. Students will learn how to set up a road map for their lives that will benefit decision making and problem solving in making career choices. After completion of an orientation, students are released from school. Students must work a minimum of ten work hours per week. Participation is limited each quarter.

*PREREQUISITE:* Open to grade 12. Counselor approval. Credit 1/2

# COMPUTERS

## 190 COMPUTER APPLICATIONS

This course is an overview of computer applications. Students will learn Microsoft Word, Excel, Access, PowerPoint, Google Apps, use of the Internet, and basic computer technology. Students will create, edit and format letters, reports, spreadsheets, databases, and presentations for school and personal use. Students will utilize an online tutorial program while learning the Microsoft Office applications.

*PREREQUISITE:* None.

Fee: \$8.00 (Includes flashdrive)

Credit 1/2

## 191 OFFICE COMPUTER APPLICATIONS

This course extends the students' knowledge of Microsoft Office software applications that they learned in Computer Applications. Students will master business software applications including Microsoft Word, Microsoft Access, Microsoft Excel, and Microsoft PowerPoint. After successfully completing this course, students may be certified as a Microsoft Office User Specialist by passing the "MOUS" assessment. Each student pays the cost of this optional certification.

*PREREQUISITE:* Computer Applications. Open to grades 10–12.

Fee: \$20.00

Credit 1/2

## 197 WEB PAGE DESIGN

Students will learn software package(s) used in web page design and communications. Possible software used for this class include, but not limited to: PhotoShop, Expression Web, Flash, and Aptana. Using software, students will create and manipulate images as web buttons, picture buttons, and navigation buttons with rollovers; create links and page layouts; and incorporate animation and sound.

In addition, students will learn basic HTML (Hyper Text Markup Language) and CSS (Cascading Style Sheets). HTML is the primary language used for creating web pages including basic text formatting, linking between pages and adding images and other media. CSS is a styling language that enables the separation of content from style and provides precision control over the display including layout, colors and fonts.

Students will learn to apply best practices for web design and create sites that enhance the usability and interactivity of the pages. By the end of the course, students will have created a viable website incorporating all these components.

*PREREQUISITE: Computer Applications, Graphic Design recommended, not required.*

Fee: \$5.00

Credit 1/2

### 193 COMPUTER PROGRAMMING I

This course will focus on BASIC, Pascal and/or Visual BASIC programming concepts. Current events in the computer industry and career education will also be discussed.

*PREREQUISITE: Computer Applications.*

Fee: \$3.00

Credit 1/2

### 196 COMPUTER PROGRAMMING II

In this course, students will learn the basic process necessary to develop computer programs from conceptualization to implementation via the five basic elements of application development: planning, analysis, design, implementation, and end-user documentation. Students will focus on applying advanced programming skills such as code variables, decision making functions, loops, arrays, file management, software lifecycle, graphics, music/sound and animation. While emphasis may be on video game development, the ultimate goal is to increase and enhance students programming skills that are required to develop a high level computer program.

*PREREQUISITE: Computer Programming I.*

Fee: \$3.00

Credit 1/2

### 194 INFORMATION TECHNOLOGY I

This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today's society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.

Learners apply fundamental principles of IT, including the history of IT and its impact on society, common industry terms, systems theory, information storage and retrieval, database management, and computer hardware, software, and peripheral device configuration and installation. This base of knowledge and skills may be applied across the career field.

In the second half of the course, students will apply knowledge and skills of commercial and open source operating systems in portable, stand alone, and networked devices. Students will install a variety of operating systems manually and using remote assistance. They will learn to configure, modify, and troubleshoot operating systems. Desktop virtualization, system security, and operating system history will be addressed.

In addition, students will learn the basics of building simple interactive applications. Students will learn the basic units of logic: sequence, selection and loop. Students will apply algorithmic solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and applications.

*PREREQUISITE: Computer Applications, application/instructor approval.*

Fee: \$20.00 (includes flash drive)

Credit 2



### 195 INFORMATION TECHNOLOGY II

Students will learn to install, repair, and troubleshoot computer hardware systems. They will perform preventative maintenance practices and learn techniques for maintaining computer hardware security. Communication skills and professionalism in troubleshooting situations will be emphasized.

In the second half of this course, students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

Learners apply principles of design and technology, including programming standards and protocols, to create, test, host, and maintain web pages and websites with text, graphics, multimedia, scripting, linking, and data integration in a structure that is easy to navigate and accessible for all users via a variety of hardware and software platforms.

Each student will work with a local business partner to successfully complete a Senior Capstone Project on a topic of their choice.

Students successfully completing both years of this program may be eligible for a Sinclair Community College Tech Prep scholarship.

*PREREQUISITE: Information Technology I.*

Credit 2

## FAMILY AND CONSUMER SCIENCES

These are vocational programs which require action projects.

### 492 INTRODUCTION TO FAMILY & CONSUMER SCIENCES

This course will provide students with an overview of the four major content areas of Family and Consumer Sciences. Students will be introduced to child development, family relationship concepts and how they relate to family dynamics. Additionally, students will identify financial literacy and consumer economic principles. Students will understand the concepts of design through textiles for personal and home use. Throughout the course, students will develop communication, leadership and career investigation skills.

*PREREQUISITE: Open to grades 9–10.*

Fee: \$11.00

Credit 1/2

### 517 CULINARY FUNDAMENTALS

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 the management of time, ingredients and equipment. Students will apply standard recipe conversions using proper scaling and measurement techniques.

*Pre requisite: Beginning with the class of 2020—Introduction to Family and Consumer Sciences). Open to grades 11–12.*

Fee: \$25.00

Credit 1/2

### 519 CHILD DEVELOPMENT

In this course students will study the principles of child growth, development and behavior. An emphasis will be placed on the cognitive development of a child and sensory and motor skills. Additional topics will include childhood diseases, immunizations, theories of development, learning styles and evaluating childcare services.

*Pre requisite: Beginning with the class of 2020—Introduction to Family and Consumer Sciences). Open to grades 11–12.*

Fee: \$3.00

Credit 1/2

### 490 CAREER AND COLLEGE READINESS

In this course students will develop effective learning strategies and skills to provide a strong foundation for successful lifelong learning. Throughout the course, students will research careers and occupations, review postsecondary admissions qualifications, develop interviewing skills and participate in internships. Additional topics will include principles and techniques of professionalism, networking, conflict resolution, negotiation, leadership and entrepreneurship.

*Pre requisite: Beginning with the class of 2020—Introduction to Family and Consumer Sciences). Open to grades 10–12.*

Fee: \$3.00

Credit 1/2

### 498 PERSONAL FINANCIAL MANAGEMENT

In this course students will develop personal financial plans for individual personal well-being. Throughout the course, students will develop financial literacy skills to provide a basis for responsible citizenship and career success. Additional topics will include analyzing services from financial institutions, consumer protection, investing and risk management.

*Pre requisite: Beginning with the class of 2020—Introduction to Family and Consumer Sciences). Open to grades 10–12.*

Fee: \$3.00

Credit 1/2

## INDUSTRIAL TECHNOLOGY

All individual project materials will be handled on a cash-and-carry basis only.

### 530 CAD/DRAFTING

Students will be introduced to a variety of basic facets of drafting. Areas of concern will include sketching, drafting equipment, lettering, orthographic projection and pictorial drawings. This class will use AutoCAD (computer aided design software) to complete assigned drawings.

*PREREQUISITE: None. Open to grades 9–12*

Fee: \$7.00

Credit 1/2

### 531 ADVANCED CAD/DRAFTING

This course will involve the student completing assignments using AutoCAD program, the professional AutoCAD program used in industry today. The areas of concern will include pictorial drawings, dimensioning, sectioning and auxiliary views.

*PREREQUISITE: CAD/Drafting. Open to grades 10–12*

Fee: \$15.00

Credit 1/2

### 538 ARCHITECTURAL DRAWING

In this course the student will become the architect and be given certain specifications to follow, but at the same time be allowed to incorporate his or her own ideas into the planning and design of a home. All drawings will be completed with AutoCAD.

*PREREQUISITE: CAD/Drafting and instructor approval. Open to grades 10–12*

Fee: \$20.00

Credit 1/2

### 542 CONSTRUCTION SYSTEMS I

This course is designed to introduce students to the basic use and proper care of woodworking tools in making small projects.

*PREREQUISITE: None. Open to grades 9–12*

*RECOMMENDED: CAD/Drafting.*

Fee: \$20.00 plus materials for project

Credit 1/2

### 544 CONSTRUCTION SYSTEMS II

This course is an intermediate skilled woodworking class to advance the woodworking knowledge learned in Construction Systems I.

*PREREQUISITE: Construction Systems I. Open to grades 10–12*

*RECOMMENDED: CAD/Drafting.*

Fee: \$15.00 plus materials for project

Credit 1/2

## 546 HOME MAINTENANCE I

This course will provide students with a basic understanding of various home maintenance issues through a modular, hands-on approach. Students will learn various home maintenance tasks including plumbing systems, electrical systems, HVAC, roofing, framing, and troubleshooting problems.

*PREREQUISITE: None. Open to grades 10–12*

*Fee: \$15.00*

*Credit 1/2*

## 550 HOME MAINTENANCE II

This course will provide students with an in-depth understanding of basic home systems in today's homes. Through a hands-on approach, students will learn how to repair common problems that occur in homes. Plumbing, electrical, drywall, flooring and finish carpentry will be covered.

*PREREQUISITE: Home Maintenance I. Open to grades 10–12*

*Fee: \$15.00*

*Credit 1/2*

# LANGUAGE ARTS

## ENGLISH

### 950 ENGLISH 9A

This course gives the student intensive experiences in all language skill areas of listening, speaking, reading, and writing. Students will read fiction and non-fiction text to improve basic reading skills, comprehension, and vocabulary. This course covers basic skills (grammar, mechanics, composition, and spelling) necessary for composing written responses and multi-paragraph writing. This course includes the use of Read 180. Read 180 is an intensive reading intervention program designed to meet the needs of students whose reading achievement is below proficient level. The program directly addresses individual needs through adaptive and instructional software, high interest literature and direct instruction in reading and writing skills.

*PREREQUISITE: IEP determined.*

*Fee: \$30.00 (includes workbook)*

*Credit 1*

### 207 ENGLISH 9 CP

This course emphasizes analysis of literary and informational texts. In addition, students will write and speak routinely for a range of tasks, purposes, and audiences, using appropriate academic and domain-specific language. The course will prepare students for future course work.

*PREREQUISITE: Teacher/counselor approval.*

*Fee: \$16.00*

*Credit 1*

### 209 ENGLISH 9 HONORS

This course will emphasize the analysis of higher-level literacy and informational texts. Students are expected to have a firm grasp of literary elements when entering the class. In addition, students will write and speak almost daily. Students are expected to use academic vocabulary in their speaking and writing assignments. Students will complete several research assignments. Summer reading assignments are required.

*PREREQUISITE: None.*

*Fee: \$30.00 (includes workbook and novel)*

*Credit 1*



### 956 ENGLISH 10A

The emphasis of this course is on reading comprehension, vocabulary, and developing other reading skills necessary for success in core academic courses. The course stresses improvement in reading comprehension through literature, and writing skills. The course covers basic skills (grammar, mechanics, composition and spelling) necessary for effective multi-paragraph writing. Literary analysis of fiction and non-fiction pieces of work, along with basic research skills to prepare students to develop a better understanding of the importance of reading comprehension and writing for use in everyday life. This course includes Read 180, which is an intensive reading intervention program designed to meet the needs of students whose reading achievement is below proficient level. The program directly addresses individual needs through adaptive and instructional software, high interest literature, and direct instruction in reading and writing skills.

*PREREQUISITE: IEP determined.*

*Fee: \$30.00 (includes workbook)*

*Credit 1*

### 223 ENGLISH 10

This course covers basic skills necessary for effective multi-paragraph writing and literary interpretation to prepare students for future English classes. Literary analysis of poetry, fiction, non-fiction, and drama along with basic research skills to prepare students for life after high school are elements of this course.

*PREREQUISITE: Grade 10*

*Fee: \$3.00*

*Credit 1*

### 225 ENGLISH 10 COLLEGE PREP

This course provides the background in both writing and the analysis of literature which will prepare students for upper level college prep courses. Students will acquire the tools necessary for analyzing poetry, fiction, non-fiction and drama through extended reading assignments and will express their understanding of these areas through multiple writing assignments.

*PREREQUISITE: The student must maintain a "B" or above in English 9, and have teacher recommendation.*

*Fee: \$3.00*

*Credit 1*

### 231 ENGLISH 10 HONORS

At the heart of this course is the development of critical reading skills necessary to prepare students for English 11 Honors/Pre AP and English 12 AP. The course also emphasizes language and writing, and an extensive research project is required. Summer assignments are required.

*PREREQUISITE: The student must maintain a "B" or above in English 9 Honors and have teacher approval, or complete an application and be accepted into the honors program.*

*Fee: \$30.00*

*Credit 1*

### 960 ENGLISH 11A

This course covers a variety of skills including the reading of nonfiction and fiction text. Students will study a variety of literature, literary elements and vocabulary. Likewise, students will focus on grammar and writing skills in single and multi paragraph form with and without the use of practical research.

*PREREQUISITE: IEP determined.*

*Fee: \$3.00*

*Credit 1*

### 227 ENGLISH 11

Through the reading and studying of literature, students will be expected to recognize major literary elements. Likewise, students will improve their writing by focusing on grammar, writing skills in both paragraphs and essays, and vocabulary acquisition. Practical research skills will be developed as students use a variety of resources including current electronic means and print materials. The aim of this course is college and career readiness.

*PREREQUISITE: Grade 11.*

*Fee: \$3.00*

*Credit 1*

### 229 ENGLISH 11 COLLEGE PREP

This course will focus on a variety of classic and contemporary literature. In combination with this, students will write a variety of types of essays, concentrating on improving their sentence structure and overall style. The research process will be reviewed and elaborated upon, and an emphasis will be placed on vocabulary enrichment. The speed of this course will imitate the speed of college level courses.

*PREREQUISITE: The student must maintain a "C" or above in English 10 CP, or receive an "A" in English 10, and have a teacher recommendation.*

*Fee: \$3.00*

*Credit 1*

### 230 ENGLISH 11 COLLEGE PREP

Students will explore literature through research, analysis of oral presentations and technology. Emphasis will be placed on the relationship between effective language skills and the need for the application of those skills in the workplace. Assessments will include the use of technology in oral and written presentations.

*PREREQUISITE: Enrollment in a Tech Prep program.*

*Fee: \$3.00*

*Credit 1*

### 236 ENGLISH 11 HONORS/PRE-AP

This writing intensive course is devoted to a survey of classic and contemporary literature. As preparation for AP English 12, the program includes extensive reading, improvement of writing skills and style, note taking, improvement of study habits, critical skills and vocabulary. Students will experience AP style multiple choice testing to enhance skills and acquire strategies needed to perform well in AP English 12. A research project is required. Summer reading assignments will be required.

*PREREQUISITE: The student must maintain a "B" or above in English 10 Honors and have teacher approval, or complete an application and be accepted into the honors program.*

*Fee: \$30.00*

*Credit 1*

### 966 ENGLISH 12A

This course covers a variety of skills including reading comprehension, reading strategies for daily use and reading for pleasure, acquisition of vocabulary, literary analysis, the writing process, writing applications, English grammar and usage, research skills and applications, and oral and visual communication skills. Functional skills are practiced for independent living, post-secondary training, and the world of work. Skills are taught in practical and relevant terms.

*PREREQUISITE: IEP determined.*

*Fee: \$3.00*

*Credit 1*

### 232 ENGLISH 12

This course provides opportunities to read a variety of materials from contemporary fiction to practical, functional non-fiction pieces. Communication skills necessary for the successful entry into the world of work will be explored. Assessments will be varied but may include oral presentations, projects (both individual and group), tests, essays and discussions. In addition, students will fine-tune their writing skills while increasing their vocabulary. The research process will be integrated into this course to strengthen students' ability before entering the workforce or college.

*PREREQUISITE: Grade 12.*

*Fee: \$3.00*

*Credit 1*

### 233 ENGLISH 12 COLLEGE PREP

Students will read and study major authors of world literature and their works. Analysis will consist of essays, seminars and projects, which will incorporate the use of technology. Emphasis will continue to be on written and oral communication skills in the workplace. Assessments will be made with the use of technology in oral and written presentations.

*PREREQUISITE: Enrollment in a Tech Prep program.*

*Fee: \$3.00*

*Credit 1*

## 235 ENGLISH 12 COLLEGE PREP—MEDIA ARTS

Students will read and study major authors of world literature and their works. Emphasis will be placed on screenwriting, documentaries and other aspects of technical writing related to the media. Analysis will consist of essays, seminars, and projects, which will incorporate the use of technology. Assignments will revolve around the Digital Design curriculum combining graphic design layout, video production with screenwriting. Assessments will be made on the use of technology in oral, written and media presentations. The use of PhotoShop, and video editing software is required for this class.

*PREREQUISITE: A student enrolled in Media Arts II—Tech Prep program.*  
Fee: \$5.00 Credit 1

## 239 ENGLISH 12 COLLEGE PREP

Students in this course will read and study major authors from around the world and across time. Analysis in the form of tests, essays, seminars and projects will form the core of the class. In addition, students will complete a formal research paper to include every step of the research process that they have learned in their previous English courses. These combined skills will prepare students for college level work in both the pace and skills required to be successful.

*PREREQUISITE: The student must maintain a “C” or above in English 11 CP, or receive an “A” in English 11, and have a teacher recommendation.*  
Fee: \$3.00 Credit 1

## 241 ADVANCED PLACEMENT ENGLISH 12

This course takes both a genre and a thematic approach to world literature. In addition to intense reading and critical writing, an extensive research project is part of the program. Continued stress is placed on effective writing, both in regard to content as well as style. Summer reading and activities accompanying it are required. Participation in the College Board Advanced Placement Examination is required for this course.

*PREREQUISITE: The student must maintain a “B” or above in English 11 Honors/Pre-AP and have teacher approval, or complete an application and be accepted into the honors program.*  
Fee: \$132.00 (includes cost of AP exam and novels) Credit 1

# LANGUAGE ARTS ELECTIVES

## WRITING

Writing courses are English electives and may not be applied toward the four English credits required for graduation.

### 234 CREATIVE WRITING

Students in Creative Writing are given opportunities to express themselves in a creative manner, to study the creative works of other authors, to develop their writing style, and to share their work with peers. Assignments are appropriate to their ability and interests. The focus will be on creating and publishing these works. Students will be encouraged to enter contests and submit work for publication. In the process, students will develop the skills and awareness necessary for them to express themselves more clearly and eloquently.

*PREREQUISITE: Completion of 1 English credit.*  
Fee: \$2.00 Credit 1/2

## JOURNALISM

Journalism courses are English electives and may not be applied toward the four English credits required for graduation.

### 243 JOURNALISM AND PUBLICATIONS

In this course, the student learns various elements of publishing. Students will be responsible for producing and marketing the yearbook. The course will emphasize elements such as basic news writing and reporting, features and sports writing, editorial writing, interviewing, layout and design, advertising, journalistic ethics and media history. Students are required to write on a daily basis and are expected to meet deadlines and use correct journalistic style.

*PREREQUISITE: Open to grades 9–12.*  
Fee: \$3.00 Credit 1

## COMMUNICATION ARTS

All Communication Arts courses are English electives and may not be applied toward the four English credits required for graduation.

### 237 FILM CRITICISM/APPRECIATION

This course will focus on the interpretation and evaluation (written and oral) of Hollywood films. Students will watch 12–18 films in class. Each film will spotlight a different aspect of the film making process. Parental permission is required for some films.

*PREREQUISITE: Open to grades 11–12.*  
Fee: \$1.50 Credit 1/2

### 247 SPEECH

This course is recommended for college-bound sophomores, juniors, and seniors. Course content will stress speech organization skills, delivery techniques and formal classroom presentations in both written and oral form. Emphasis will be placed on research, topic selection and presentation visuals. Informative and persuasive presentations will be required, and oral presentations to the class are mandatory to receive credit for this course.

*PREREQUISITE: Completion of 1 English CP credit with “C” or above. Open to grades 10–12.*  
Fee: \$2.00 Credit 1/2

### 250 INTRODUCTION TO ACTING AND THEATER

This course is designed for students interested in the dramatic arts, and it involves dramatic performances, play cuttings, analytical reading and many other elements of the world of theater. Students in this course will learn basic techniques such as following stage directions, developing timing, facial and vocal expressions, and appropriate body movement through pantomime, improvisations, and monologues. Students will be required to work with props. Students will be responsible for performing in front of the class frequently.

*PREREQUISITE: Open to grades 10–12.*  
Fee: \$3.00 Credit 1/2

### 251 INTRODUCTION TO TELEVISION

This introductory course allows students to act as a team and create media productions in the MHS television studio. Students will learn about television programming, history and economics. Students will work on a one-on-one interview, a newscast, and creating a commercial. Strongly recommended for students interested in Tech Prep Media Arts.

*PREREQUISITE: Open to grades 9–10 only.*  
Fee: \$3.00 Credit 1/2

### 255 MEDIA ARTS I

This program will help students acquire the fundamentals of design that can help them pursue a number of creative career options. This includes graphic designers and television broadcast professionals. As part of Tech Prep this program focuses on creating, designing and producing multi-media products and services. Students will learn all aspects of television production in MHS’s fully functioning broadcast studio and editing suite. Students will also begin creating graphic design projects using Adobe Photoshop, Encore, and After Effects. Students will produce *Burg’s Eye View*, a monthly television show.

*PREREQUISITE: Recommended Introduction to Television. Tech Prep application.*  
Fee: \$25.00 (Includes flash drive) Credit 2

### 256 MEDIA ARTS II

The second year of the Tech Prep program allows students to expand their skills and advance their knowledge of other forms of multimedia design through various projects and internships. Students produce a weekly television show; *1860 Belvo*, various client-based graphic design projects, and will produce a daily live newscast for morning announcements. This course will conclude with a multimedia capstone project.

*PREREQUISITE: Media Arts I.*  
Fee: \$5.00 Credit 2

# MATHEMATICS

### 952 MATH 9A—ALGEBRA READINESS

This is a first year course designed for students who need continued skill building in Algebra. It is designed to make students ready to dive further in depth into concepts such as fractions, decimals, percents, integers, and one and two-step equations. Students will also gain a basic overview of square roots, exponents, slope and the coordinate plane.

*PREREQUISITE: IEP determined.*  
Fee: \$4.00 Credit 1

### 958 MATH 10A—ALGEBRA I: CONCEPTS AND SKILLS

This is a second year course that dives further into Algebra. Topics such as: solving multi-step equations, inequalities, data analysis, functions, as well as linear and quadratic equations. This course will also give a basic “connection” to geometry. Critical thinking skills are continued to be developed.

*PREREQUISITE: IEP determined and Math 9A.*  
Fee: \$4.00 Credit 1

### 603 ALGEBRA I

This is a first year course in Algebra designed to spend more time on the basic Algebra I concepts. This course will introduce the fundamentals of algebra while building good basic skills and number sense.

*PREREQUISITE: 8th grade math teacher recommendation.*  
Fee: \$4.00 Credit 1

### 596 ALGEBRA I CP

This is the first year Algebra course designed for the student who has a good grasp of basic arithmetic skills (especially operations with fractions and positive and negative numbers). The student must also have the ability to use logical reasoning to arrive at a solution to a problem. This is a highly structured course with an emphasis on applying equation-solving skills to real world problems. Nightly homework can be expected and periodic projects are assigned.

*PREREQUISITE: Students MUST have completed 8th grade math with at least a “C” average, teacher recommendation.*  
Fee: \$4.00 Credit 1

### 604 ALGEBRA I HONORS

This is a first year course in Algebra designed for the student who is strongly interested in Math and Science. The student learns the manipulative skills necessary to succeed in upper-level math courses. A heavy emphasis is placed on abstract mathematical concepts and their applications through the use of word problems. Homework will be assigned on a nightly basis. Student must complete application to Honors Course sequence including teacher recommendation.

*PREREQUISITE: Students MUST have completed: 8th grade math with a “B+” or “A” average, teacher recommendation.*  
Fee: \$4.00 Credit 1

### 608 GEOMETRY

This course in geometry is designed to spend more time on the basic geometry concepts. Emphasis is placed on the more concrete aspects of geometry and the algebraic applications although work on proofs and deductive reasoning is included. Basic skills from algebra are used throughout the course.

*PREREQUISITE: Passage of Algebra I.*  
Fee: \$4.00 Credit 1

### 606 GEOMETRY CP

This is a basic course in Euclidean geometry designed for the average math student who intends to go to college. Emphasis is placed on the more concrete aspects of geometry and the algebraic applications although work on proofs and deductive reasoning is included. Basic skills from algebra are used throughout the course. Familiarity with linear equation solving, factoring, operations with signed numbers and fraction manipulation is expected. May be taken concurrently with Algebra II.

*PREREQUISITE: Algebra I and/or teacher recommendation.*  
Fee: \$4.00 Credit 1

## 607 GEOMETRY HONORS

The emphasis in this course is on logical deductive reasoning. The bulk of the course is devoted to proving theorems concerning characteristics of geometric figures, and working with applications of them. Applications of algebra to geometry are stressed. Daily out of class assignments can be expected. Students should provide their own scientific calculator. Student must complete application including teacher recommendation, if one is not on file.

### PREREQUISITE:

(1) "B" or above in 8th grade Algebra or Algebra I Honors, appropriate results on Algebra I post test, teacher recommendation.

(2) Algebra I, appropriate results on Algebra I post test, teacher recommendation.

Fee: \$4.00

Credit 1

## 962 MATH 11A—GEOMETRY: CONCEPTS AND SKILLS

This is a course designed for a basic introduction and development of geometric concepts. Emphasis is placed on the more concrete aspects of geometric and algebraic applications. Algebra skills are used throughout the course. Critical thinking skills are continued to be developed.

PREREQUISITE: IEP determined and Math 10 A.

Fee: \$4.00

Credit 1

## 609 ALGEBRA II

This course is designed to review and extend the concepts of Algebra I but in a less rigorous manner and with fewer topics than Algebra II CP. Students taking this course will not go on to Pre-Calculus.

PREREQUISITE: Geometry and/or teacher recommendation.

Fee: \$4.00

Credit 1

## 968 MATH 12A—SENIOR MATH

This course is designed to reinforce academic skills, enhance students' financial literacy skills, and enable students to develop informed money management strategies, stimulate interest in financial management, and foster an understanding of money management. Topics covered will include saving, budgeting, credit, debt, financial planning, insurance, income, taxes, and giving.

PREREQUISITE: IEP determined and Math 11A.

Fee: \$30.00 (includes workbook).

Credit 1

## 610 ALGEBRA II CP

This course is a review and extension of the basic concepts of Algebra I and also introduces new mathematical concepts and applications. Periodic projects will be assigned as well as daily homework and will often require the use of a graphing calculator. The Math Department strongly recommends that students obtain either a TI-83 Plus or TI-84 Plus for both class work and homework. Algebra II may be taken concurrently with Geometry.

PREREQUISITE: Geometry (or currently enrolled) and teacher recommendation.

Fee: \$4.00

Credit 1

## 611 ALGEBRA II HONORS

This course reviews and extends the foundations, facts, skills, and concepts, which the student studied in Algebra I. The course will prepare capable and conscientious students for more advanced work. It introduces for the first time the more advanced ideas of logarithmic functions and the complex number system. The course is primarily for the student who is interested in a more complete background in mathematics for future use in college. Homework will be assigned on a nightly basis. The Math Department strongly recommends that students obtain either a TI-83 Plus or TI-84 Plus for both class work and homework. Student must complete application including teacher recommendation, if one is not on file.

PREREQUISITE: "C" or above in Geometry, and/or teacher recommendation.

Fee: \$4.00

Credit 1

## 612 CONSUMER MATH

This is a course designed to develop skills to live in a consumer-based society. Topics will include banking, budgeting, purchasing a car, purchasing a house and filing taxes. Computers and calculators will be used frequently in this course.

PREREQUISITE: Algebra II.

Fee: \$4.00

Credit 1

## 618 COLLEGE PREP MATH

This course is designed to help prepare seniors to effectively handle entry-level mathematics in college. The objective of this course is to present pre-college mathematics and for math coursework at the next level. In preparation for college readiness and math placement, calculator use will be limited to a basic calculator. Students will be required to take the Compass college math placement test as a pre-assessment in the fall and a post-assessment in the spring through Wright State University.

PREREQUISITE: "B" or above in Algebra II with teacher recommendation or the passage of Algebra II CP.

Fee: \$4.00

Credit 1

## 614 PRE-CALCULUS CP

This course is designed for the college-bound student with an interest in mathematics. Knowledge of algebraic concepts including, linear equation solving, factoring and exponents is assumed. Topics covered will include trigonometry, polynomial and rational functions, exponential and logarithmic function, and sequences and series. Daily out of class assignments can be expected which involve the use of graphing calculators. The Math Department strongly recommends that students obtain either a TI-83 Plus or TI-84 Plus for both class work and homework.

PREREQUISITE: "B" or above in Algebra II CP, or Algebra II Honors.

Fee: \$4.00

Credit 1

## 615 PRE-CALCULUS HONORS

This course reviews and extends the concepts studied in Algebra II Honors. Students will study more advanced topics including trigonometry, polynomial functions, rational functions and their graphs. This course is for the student who plans to pursue a mathematics and/or science related major at the college level. It is a requirement for AP Calculus. Graphing calculators are used extensively. The Math Department strongly recommends that students obtain either a TI-83 Plus or TI-84 Plus for both class work and homework. Daily out of class assignments can be expected. Student must complete application including teacher recommendation, if one is not on file.

PREREQUISITE: "B" or above in Algebra II Honors, and/or teacher recommendation.

Fee: \$4.00

Credit 1

## 617 ADVANCED PLACEMENT CALCULUS

This course includes the topics required in the National Advanced Placement Calculus A/B curriculum. Students will prepare and practice for the test in May. The TI-89 calculator will be used on a daily basis. Participation in the College Board Advanced Placement Examination is required for this course.

PREREQUISITE: Pre-Calculus Honors.

Fee: \$103.00 (includes cost of AP exam)

Credit 1

## 628 STATISTICS

Statistics are everywhere! In this course, the role and possible misuses of statistics in today's world will be developed through exploration of numerical and graphical methods for analyzing data to detect important characteristics and patterns. In addition, experimental and theoretical probability concepts will be applied to various situations. Finally, students will develop methods of conducting statistical studies and research. Techniques that compare data sets, draw conclusion and make predictions will be explored. Since these statistical methods have widespread real-world applications, all students would benefit from this course.

PREREQUISITE: Algebra II and/or teacher recommendation.

Fee: \$4.00

Credit 1

## 627 STATISTICS HONORS

Statistics Honors will cover all material in the Statistics course plus additional material. Technology will play a significant role in Honors Statistics. Graphing calculators will be used extensively throughout the course to promote a deeper understanding of statistical concepts. Students will be challenged to make and see connections between various concepts and ideas in statistics. Students are expected to be able to work independently and to have strong problem-solving skills. Anyone interested in taking the AP Statistics exam can prepare by completing independent study work.

PREREQUISITE: "C" or above in Algebra II Honors, and/or teacher recommendation.

Fee: \$4.00

Credit 1

# MUSIC

## 665 GUITAR I

This class is a music appreciation class with the emphasis on learning to play guitar. This is a basic skills class exploring different styles of music by using "proper" guitar handling techniques. Basic theory is introduced by learning to read notation conventionally and using guitar tablature. This course is a great class to experience a "taste" of this instrument and hopefully encourage its further use. Guitars will be provided and no experience is necessary.

PREREQUISITE: None. Open to grades 9–12.

Fee: \$23.00 (includes instruction book and strings)

Credit 1/2

## 666 GUITAR II

This is a continuation of Guitar I, exploring different styles of music through the discipline of music literacy and learning to play by ear. You will learn all notes in the first position as well as continue building your chord repertoire. Several popular methods and techniques will be continued for optimum learning and guitar skill development. You will be introduced to various strumming patterns such as rock, pop, blues, country, folk, classical, jazz, finger pick styling and flamenco. Guitars will be provided.

PREREQUISITE: None. Open to grades 9–12.

Fee: \$23.00 (includes instruction book and strings)

Credit 1/2

Participation in one of the three concert bands (Wind Symphony, Symphonic Band, Concert Band) is required for any band member desiring participation in any additional ensemble. Continuous enrollment is a requirement for participation.

## 667 CONCERT BAND

This is a performance ensemble for band students to continue technical development and musical growth. It is a full year course. Concert band is required of all continuing band musicians that do not audition into the Symphonic Band or Wind Symphony.

PREREQUISITE: Successful completion of middle school band program.

Open to grades 9–12.

Fee: \$2.00

Credit 1

## 670 SYMPHONIC BAND

This is a predominately upperclassman auditioned ensemble with an emphasis on continuing the development of the high school musician. The symphonic band will perform 3–4 concerts as part of the curriculum.

PREREQUISITE: Audition open to grades 9–12 with successful completion of previous band course.

Fee: \$2.00

Credit 1

## 669 WIND SYMPHONY

This course is for upperclassmen prepared to play advanced high school literature. This will be a performance ensemble with a focus and higher level musicianship and achievement. Students will perform 3–4 concerts as part of the curriculum.

PREREQUISITE: Audition open to grades 10–12 with successful completion of previous band course.

Fee: \$2.00

Credit 1

## 672 STAR CITY JAZZ BAND

This class will consist of proper jazz band instrumentation and will study the history and progression of America's music—jazz. Students will be expected to perform a variety of styles of jazz and develop their ability to improvise. The group will perform several concerts for the school and community throughout the school year. Students will be evaluated on individual and group performance. Class will transition to an extra-curricular ensemble upon completion.

*PREREQUISITE: By audition only; grades 9–12. Students must be enrolled in Concert Band.*

Fee: \$3.00

Credit 1/2

## 671 JAZZ LAB BAND

This ensemble is open to grades 9–12 by audition for proper instrumentation. The class will learn several styles of jazz and the fundamentals of swing, as well as expose members to beginning improvisation. The class will continue as an extra-curricular ensemble the rest of the school year once a week.

*PREREQUISITE: By audition, grades 9–12. Students must be enrolled in a concert band.*

Fee: \$3.00

Credit 1/2

## 675 MUSIC HISTORY

Open to grades 9–12 as a survey of the history of popular music from 1600 to the Present. Students will study musical developments and styles, relating them to historical periods. Any student with an interest in music or history would benefit from this course.

*PREREQUISITE: None. Open to grades 9–12.*

Fee: \$4.00

Credit 1/2

## 676 THEORY OF MUSIC I

Theoretical study of music through written exercises including melody, harmony, rhythm, form and analysis. Students who meet the requirements and are interested can take this course as a College Credit Plus course. Please follow the requirements for signing up for a College Credit Plus course and select the correct course on your course selection sheet.

*PREREQUISITE: High school music experience (guitar class, vocal, or band), or permission from the band director. Open to grades 9–12.*

Fee: \$4.00

Credit 1/2

## 679 ADVANCED CHAMBER WINDS

This course is designed to coincide with Wind Symphony. This will allow for more advanced concepts of phrasing, articulation, and musicianship to be taught. All students enrolled in Wind Symphony must enroll in this class unless a scheduling conflict exists.

*PREREQUISITE: Qualification and enrollment In Wind Symphony.*

Fee: \$4.00

Credit 1/2

## 660 VOCAL MUSIC—1ST SEMESTER

This course is designed to introduce and/or improve the technique and ability of the developing singer. Choir is a performance group that concentrates on preparation of concerts for the school, community and competitions that are sanctioned by the Ohio Music Education Association. This choral class will perform in the Fall and Holiday concerts, and are requirements for this course.

*PREREQUISITE: None. Open to grades 9–12.*

Fee: \$5.00

Credit 1/2

## 661 VOCAL MUSIC—2ND SEMESTER

This course is designed to introduce and/or improve the technique and ability of the developing singer. Choir is a performance group that concentrates on preparation of concerts for the school, community and competitions that are sanctioned by the Ohio Music Education Association. This choral class will participate in the annual MHS Talent Night as a group ensemble. Students will also have the opportunity to compete in the Solo/Ensemble contest, but it is not required. Students will be singing at the end of the year Honors/Awards concert.

*PREREQUISITE: None. Open to grades 9–12.*

Fee: \$5.00

Credit 1/2

## 674 MADRIGAL SINGERS

This course is an auditioned choral ensemble designed to improve vocal techniques and performance skills. This group represents some of our top male and female singers/performers. Students will be entertaining on numerous occasions in various venues in and outside the school. Students must be able to learn all choral repertoire as well as the Madrigal music. This elite group sings at all MHS choir concerts and competes in the Ohio Music Education Association Competitions as well as music festivals designed for the more advanced singing groups.

*PREREQUISITE: Must audition for this class. Open to grades 10–12.*

Fee: \$5.00

Credit 1

## PHYSICAL EDUCATION & HEALTH

Physical education courses are designed to give students instruction in a variety of team sports and individually oriented lifetime activities. All physical education classes will include cardiovascular fitness activities at least once a week.

**REQUIREMENTS:** All students are required to provide the following physical education uniform:

1. T-shirt or sweatshirt
2. Gym shorts or sweat pants
3. Gym shoes and socks

**NOTE:** Lost Lock fee—\$5.00

## 631 PHYSICAL EDUCATION I

This course is focused on building fitness and physical activity knowledge, skills and behaviors. The course will consist of workout days and activity days. Workout days will be spent performing the specific exercises and activities that address the designated component of fitness. During the activity days students could be in the gym or classroom completing a variety of activities to develop knowledge of fitness concept and applying the fitness concepts in assessments such as the physical activity plan, fitness plan or marketing campaign.

*PREREQUISITE: None.*

Credit 1/4

## 632 PHYSICAL EDUCATION II

This course includes instruction in a variety of team and individual sports. The course expands on the content delivered in Physical Education I and seeks to develop a further understanding of fitness concepts and activities.

*PREREQUISITE: None.*

Credit 1/4

## 633 WEIGHT TRAINING

This course includes activities such as heavy weight lifting, jogging and conditioning for contact sports.

*Open to Grades 10–12 only.*

Credit 1/4

## 634 FITNESS CLASS

This course emphasizes the components of fitness such as cardio respiratory endurance, flexibility, muscle strength, muscle endurance and body composition. Activities include such things as: stretching, walking, running, weight lifting, aerobic activities including step-up aerobics. Females only.

*Open to Grades 10–12 only.*

Credit 1/4

## 650 EXERCISE AND SPORTS SCIENCE I

A Tech Prep program offered to Juniors. This class is a year-long class and will expose the students to a wide variety of exercise, sports science and sports medicine topics. These topics include anatomy and physiology, safety practices, first aid and CPR, sports medicine, information technology, personal fitness, strength, speed, flexibility and cardiovascular training. Students accepted into this class must also take an anatomy class during the second year of this program. This is a two-year program designed to prepare the student to attend college. This program helps to prepare students in careers in exercise science, sports medicine, nursing, physical therapy, medicine as well as other health related fields. Students can earn college credit. Completion of both classes can lead to a scholarship to Sinclair Community College.

*PREREQUISITE: Application/instructor approval.*

Fee: \$15.00

Credit 2

## 651 EXERCISE AND SPORTS SCIENCE II

This is a continuation of Exercise and Sports Science I (650). Many of the same topics will continue to be covered from 650. Students will continue to be prepared to attend college and to possibly pursue a career in an exercise science, health or medically related field. Students will continue to be exposed to different types of physical exercise. Students must take an anatomy class during the second year of this program. Students who were enrolled in 650 will continue in 651. Students can earn college credit. Completion of both classes can lead to a scholarship to Sinclair Community College.

*PREREQUISITE: Exercise and Sports Science I.*

Fee: \$15.00

Credit 2

## 635 SPORTS MEDICINE AND ATHLETIC TRAINING

This class is an elective. It is designed to meet both the educational and practical needs of the student. This class is an introduction to athletic injuries, their care, prevention and treatment of those injuries. A portion of the class will be dedicated to learning to tape and wrap for athletic related injuries. This class is good for students interested in a health or medically related field. It is strongly recommended for students who are or want to be student trainers in the Sports Medicine program. It is also highly recommended for any sophomore students who might be interested in entering the Tech Prep Exercise and Sports Science program as a Junior.

*PREREQUISITE: Teacher permission.*

Fee: \$15.00

Credit 1/2

## 642 HEALTH

This course will focus on areas that will educate and encourage student to live a safe and healthy life style. Topics will include, First Aid, CPR, AIDS Education, Mental Wellness, Relationships and Communication, and The Body and How It Works.

*PREREQUISITE: None.*

Fee: \$1.00

Credit 1/2

# SCIENCE

## GRADE 9 SCIENCE:

### 954 SCIENCE 9A—PHYSICAL WORLD

This course is a study of the relationship between basic concepts in physics and chemistry as they relate to the physical world. This is a hands-on / lab based course preparing students for further science study. A few independent and group projects will be assigned.

*PREREQUISITE: IEP determined.*

Fee: \$10.00

Credit 1

### 702 PHYSICAL WORLD

This course is a study of the relationship between basic concepts in physics and chemistry as they relate to the physical world. This is a hands-on / lab based course preparing students for further science study. A few independent and group projects will be assigned.

*PREREQUISITE: None.*

Fee: \$7.00

Credit 1

### 705 PHYSICAL WORLD HONORS

This course is a study of the basic concepts in physics and chemistry as they relate to the physical world around us. There is a greater emphasis on scientific inquiry, data analysis and independent/group projects.

*PREREQUISITE: Application needed for first time science honors students.*

*Fee: \$7.00 (used for lab related supplies along with class activities)Credit 1*

## GRADE 10 SCIENCE:

### 957 SCIENCE 10A—BIOLOGY

Students will investigate biological systems at the molecular, cellular, system, organism and ecosystem level. Hands-on and inquiry-based laboratory exercises incorporating cellular biology, genetics, DNA technology, evolution, and ecology will be provided to assist students in their understanding of biological themes. Projects and reading assignments may be required with each unit of instruction.

*PREREQUISITE: IEP determined.*

Fee: \$10.00

Credit 1

## 708 BIOLOGY

Students will investigate biological systems at the molecular, cellular, system, organism and ecosystem level. Hands-on and inquiry-based laboratory exercises incorporating cellular biology, genetics, DNA technology, evolution, and ecology will be provided to assist students in their understanding of biological themes. Projects and reading assignments may be required with each unit of instruction.

*PREREQUISITE:* Grade 10.

*Fee:* \$10.00

*Credit 1*

## 710 BIOLOGY HONORS

This is an in-depth course where students will investigate biological systems at the molecular, cellular, system, organism and ecosystem level. Hands-on and inquiry-based laboratory exercises incorporating cellular biology, genetics, DNA technology, evolution, and ecology will be provided to assist students in their understanding of biological themes. Projects and reading assignments may be required with each unit of instruction.

*PREREQUISITE:* “C” or above in Physical World Honors. Application needed for first time science honors students.

*Fee:* \$15.00

*Credit 1*

## GRADES 11 AND 12 SCIENCE:

### 961 SCIENCE 11A—ENVIRONMENTAL SCIENCE

This course is designed to provide students a balanced approach to the diverse study of our environment. The goal of this class is to provide a hands-on science background needed to analyze the many issues concerning our environment, such as waste disposal methods, air and water pollution, sources of energy and population effects on the environment. Field studies and lab activities reinforce the text information.

*PREREQUISITE:* IEP determined.

*Fee:* \$10.00

*Credit 1*

### 713 ENVIRONMENTAL SCIENCE

This course is designed to provide students a balanced approach to the diverse study of our environment. The goal of this class is to provide a hands-on science background needed to analyze the many issues concerning our environment, such as waste disposal methods, air and water pollution, sources of energy and population effects on the environment. Field studies and lab activities reinforce the text information.

*PREREQUISITE:* Grade 9 and 10 science requirement.

*Fee:* \$10.00

*Credit 1*

### 712 ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE

This is a college level laboratory course that aims to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world. The course is designed for students with an interest in the environment and in a career in biological science, environmental health and natural resources or for students interested in other fields but would like to earn a college science credit. In addition to the classroom, there is a laboratory and field investigation component of the AP Environmental Science course. Students will study topics such as biodiversity, endangered species, pollution, the population crisis, global warming, energy conservation, land use policy, soils and much more. Two out-of-school field study trips are required. Students may miss school days for these trips. Participation in the College Board Advanced Placement Examination is required for this course. Success in this examination may lead to granting of college credit.

*PREREQUISITE:* Biology or Honors Biology. Chemistry or Honors Chemistry is recommended as either a prerequisite or to be taken concurrently.

*Fee:* \$107.00 (includes cost of AP exam)

*Credit 1*

### 726 ADVANCED PLACEMENT BIOLOGY II

This course follows the AP Biology curriculum and includes advanced studies in cell biology, genetics, evolution and ecology. This course is highly recommended for students interested in a career in the medical or allied health field. Participation in the College Board Advanced Placement Examination is required for this course.

*PREREQUISITE:* A “B” or above in Biology or Biology Honors.

*Fee:* \$135.00 (Includes AP test and Lab supplies)

*Credit 1*

### 714 ANATOMY AND PHYSIOLOGY

Anatomy and Physiology is a year-long course that provides students an opportunity to explore the intricate and sophisticated relationship between structure and function in the human body. The course offers students an environment in which they will master topics such as homeostasis, anatomical and physiological disorders, medical diagnosis and treatment, modern and past imaging techniques, biochemistry, cytology, histology, and survey of the remarkable array of body systems that comprise the human body. Laboratory activities reinforce concepts and principles presented in the course that includes the dissection of the cat.

*PREREQUISITE:* Successful completion of Grade 9 and 10 science requirement. Exercise Science Tech Prep students should take this course in their senior year.

*Fee:* \$32.00 (includes lab manual)

*Credit 1*

### 721 ZOOLOGY

The first half of the course is the study of invertebrates: (animals without backbones) including animals such as sponges, jellyfish, worms, crayfish, insects, octopus and sea stars. The course will include several dissections including a worm, clam, squid, crayfish, grasshopper, and starfish. Students will perform experiments/observations with live animals and create an insect collection. The second part of the course is the study of vertebrates; (animals with backbones). This includes animals such as fish, frogs, reptiles, birds and mammals including humans. The course will include dissections such as a fish, shark, frog, turtle, and fetal pig.

*PREREQUISITE:* Successful completion of Grade 9 and 10 science requirement.

*Fee:* \$30.00 (Includes cost of dissection and lab specimens)

*Credit 1*

### 716 CHEMISTRY

This course is an introduction to the basic concepts and skills of chemistry, with an emphasis on lab activities. Students will gain an understanding of atomic structure, chemical reactivity, gas properties, solutions and stoichiometry. This course will address real-life applications and themes, as well as hands-on activities ranging from “cookbook to inquiry”, often using substances and products students encounter in their lives. This course is for the college-bound non-science major. Environmental Engineering and Natural Resource Management students should take this class during their junior or senior year. A scientific calculator is required. This class requires basic Algebra I and Algebra II skills.

*PREREQUISITE:* Grade 9 and 10 science requirement; “C” or above in Algebra I. Algebra II recommended prior to or at the same time.

*Fee:* \$15.00

*Credit 1*

### 718 CHEMISTRY HONORS

This course deals with the composition, structure, and properties of substances and the transformations they undergo. The course is designed for the student who wishes to pursue science at the college level. There is an emphasis on theory, mathematical understanding and lab activities to reinforce the knowledge learned during lecture. A graphing calculator is suggested but not necessary for success, however a scientific calculator is a basic requirement.

*PREREQUISITE:* Must have a “B” or above in Physical World or Physical World Honors, and a “C” or above in previous math course. Application needed for first time science honors students.

*Fee:* \$15.00

*Credit 1*

### 717 ADVANCED PLACEMENT CHEMISTRY II

This course is a college level inorganic chemistry class with lab, which prepares students for success in their freshman level college chemistry classes. Students are required to take the College Board Advanced Placement exam at the end of the course in May. This course offers an inquiry based follow-up approach with the six big ideas of chemistry in mind. 1.) Atoms and Elements, 2.) Structure and Properties of Matter, 3.) Chemical Reactions, 4.) Kinetics, 5.) Thermodynamics, 6.) Equilibrium. The course devotes 25% of the time to labs, and formal lab write-ups are required for many of the labs. A graphing calculator is suggested but not necessary for success, however a scientific calculator is a basic requirement.

*PREREQUISITE:* “C” or above in Chemistry Honors and “C” or above in previous math courses. Application needed for first time science honors students.

*Fee:* \$129.00 (Includes cost AP exam and lab supplies.)

*Credit 1*

### 720 PHYSICS

Physics is the study of the way the universe works. The topics covered will include motion, forces, energy, waves, sound, light, and electricity. Both conceptual and mathematical reasoning will be used to explore the above topics using a variety of labs, simulations, and mathematical applications. A scientific calculator is required. Algebra I and Algebra II skills will be used in this class.

*PREREQUISITE:* Grade 9 and 10 science requirement. “B” or above in Algebra I. Algebra II recommended prior to, or concurrently.

*Fee:* \$7.00

*Credit 1*

### 728 ADVANCED PLACEMENT PHYSICS 1

AP Physics 1: Algebra Based, is the equivalent to a first semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. A graphing calculator (TI family) is required. This course is highly mathematical in nature. Participation in the College Board Advanced Placement Examination is required for this course. A summer assignment is given, graded, and an assessment will be given over this assignment the first week of school.

*PREREQUISITE:* Application process is required. Grades in previous/current science courses, and “B” or above in Pre Calc. or Pre-Calc. Honors must be completed or taken concurrently.

*Fee:* \$97.00 (includes cost of AP exam)

*Credit 1*

### 730 ENVIRONMENTAL ENGINEERING AND NATURAL RESOURCE MANAGEMENT TECH PREP 1

Students will study the relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution and wetland management will be applied. Students will examine economic fundamentals of resource development, agriculture sustainability, energy needs and pollution control. Students will conduct numerous outdoor field studies in forestry, watershed management and agricultural science; then analyze and interpret the data gathered. Students will develop responses to environmental problems and management strategies for responsible conservation and resource use.

In the second half of the course, students will complete work in Fish and Wildlife Management. Students will learn to properly handle wild animals, principles of wildlife management, inventory practices, water quality testing and propagation. Students will apply principles of facility design and layout for managing fish and wildlife populations. Students will compete in Future Farmers of America (FFA) competitions in soils, wildlife management and nature interpretation. Field trips to the Cincinnati Zoo and wildlife management areas will be included.

Students will complete the Open Water SCUBA course work with an opportunity to earn an additional 2 credit hours from Sinclair Community College. There will be an optional off-site SCUBA certification program to complete their training. Chemistry is required either the junior (preferred) or senior year. Students will be required to participate in the AP Environmental Science exam their senior year as a requirement of this Tech Prep program. Students successfully completing both years of the program will be eligible for the \$3,000 Sinclair Community College Tech Prep Scholarship.

*PREREQUISITE:* Grade 9 and 10 science requirements. Application instructor approval.

*Fee:* \$25.00 (plus cost of certification programs)

*Credit 2*

## 731 ENVIRONMENTAL ENGINEERING AND NATURAL RESOURCE MANAGEMENT TECH PREP II

As a continuation of the Tech Prep program, students will apply best management practices to protection of renewable and non-renewable natural resources. Communication, business principles and leadership skill development are essential. Students will analyze and interpret biological, chemical and physical properties of soil, water and air. They will determine the source and type of environmental contamination, evaluate pollution control measures and be prepared to respond accordingly. Students will develop and implement environmental plans and conduct a Phase One site assessment. Students will compete in Future Farmers of America (FFA) competitions in soils, wildlife management and nature interpretation. Students will complete field studies at Ohio State University Stone Lab.

Students will complete industry standard 40-hour HAZWOPER training with the opportunity to earn 5 college credits through Sinclair Community College. Students will have the opportunity to earn an additional 5 credit hours in environmental sampling and assessment and 2 credit hours in engineering computer basics from Sinclair Community College. Students will complete the Advanced Open Water SCUBA course work with an opportunity to earn an additional 2 credit hours from Sinclair Community College. There will be an optional off-site SCUBA certification program to complete their training. Each student will work with a local environmental professional to complete a Senior Capstone Project on a topic of their choice. Students successfully completing both years of the program will be eligible for the \$3,000 Sinclair Community College Tech Prep Scholarship. Participation in the College Board Advanced Placement Examination is optional for this course. Success on this test may lead to the granting of college credit.

*PREREQUISITE: Environmental Engineering Tech Prep I*

*Fee: \$25.00 (plus cost of certification programs; and cost of AP test if taken)*

*Credit 2*

## SOCIAL STUDIES

### GRADE 9 SOCIAL STUDIES:

#### 953 SOCIAL STUDIES 9A

This course is a study of world history which will include topics such as the Enlightenment, Revolutions, the World Wars, the Cold War, Globalization, and Social Transformations. This class teaches 21st Century skills which include but are not limited to: critical reading, writing, map reading, comparing, contrasting, synthesizing, interpreting, inferring, reading charts and graphs, analyzing, and the responsible use of technology. The course will be modified to accommodate diverse learners.

*PREREQUISITE: IEP determined.*

*Fee: \$10.00*

*Credit 1*

#### 795 SOCIAL STUDIES 9

This course is a study of world history which will include topics such as the Enlightenment, Revolutions, the World Wars, the Cold War, Globalization, and Social Transformations. This class teaches 21st Century skills which include but are not limited to: critical reading, writing, map reading, comparing, contrasting, synthesizing, interpreting, inferring, reading charts and graphs, analyzing, and the responsible use of technology.

*PREREQUISITE: By Teacher Recommendation Only*

*Fee: \$2.00*

*Credit 1*

#### 796 SOCIAL STUDIES 9CP

This course is a study of world history which will include topics such as the Enlightenment, Revolutions, the World Wars, the Cold War, Globalization, and Social Transformations. This class teaches 21st Century skills which include but are not limited to: critical reading, writing, map reading, comparing, contrasting, synthesizing, interpreting, inferring, reading charts and graphs, analyzing, and the responsible use of technology.

*Fee: \$7.00*

*Credit 1*

#### 798 SOCIAL STUDIES 9 HONORS

This course is a study of world history which will include topics such as the Enlightenment, Revolutions, the World Wars, the Cold War, Globalization, and Social Transformations. This class teaches 21st Century skills which include but are not limited to: critical reading, writing, map reading, comparing, contrasting, synthesizing, interpreting, inferring, reading charts and graphs, analyzing, and the responsible use of technology.

*PREREQUISITE: Application/teacher approval.*

*Fee: \$7.00*

*Credit 1*

### GRADE 10 SOCIAL STUDIES:

#### 959 U.S. HISTORY 10A

Students will complete a chronological study of the history of the United States. Topics covered will include U.S. industrialization and the effects of immigration, populism and progressivism, the U.S. as a world power, the U.S. in World War I, political, economic and social developments during the 1920's and 1930's, the U.S. in World War II, the U.S. in the Cold War, and social unrest, protest and change in the U.S. during the 1950's until today. The course will be modified to accommodate diverse learners.

*PREREQUISITE: IEP determined.*

*Fee: \$10.00*

*Credit 1*

#### 799 U.S. HISTORY (1877–PRESENT)

Students will complete a chronological study of the history of the United States. Topics covered will include U.S. industrialization and the effects of immigration, populism and progressivism, the U.S. as a world power, the U.S. in World War I, political, economic and social developments during the 1920's and 1930's, the U.S. in World War II, the U.S. in the Cold War, and social unrest, protest and change in the U.S. during the 1950's until today.

*PREREQUISITE: By Teacher Recommendation Only*

*Fee: \$15.00*

*Credit 1*

#### 801 U.S. HISTORY CP (1877–PRESENT)

Students will complete a chronological study of the history of the United States. Topics covered will include U.S. industrialization and the effects of immigration, populism and progressivism, the U.S. as a world power, the U.S. in World War I, political, economic and social developments during the 1920's and 1930's, the U.S. in World War II, the U.S. in the Cold War, and social unrest, protest and change in the U.S. during the 1950's until today.

*PREREQUISITE: Grade 10.*

*Fee: \$15.00*

*Credit 1*

#### 804 U.S. HISTORY HONORS

This course will be a chronological study of American History beginning with 1877 through Present. Students will develop critical thinking skills and assessments will require analysis, synthesis and a clear demonstration of higher level skills. Primary source document study, debates and independent research will be emphasized.

*PREREQUISITE: Teacher/counselor approval.*

*Fee: \$15.00*

*Credit 1*

#### 848 AP U.S. HISTORY

A college level course designed to study the history and government of the United States up to the modern era. Emphasis will be on interpretation and analysis of historic and diplomatic documents and papers, as well as readings from a variety of sources. Participation in the College Board Advanced Placement Examination is required for this course.

*PREREQUISITE: Application/teacher approval.*

*Fee: \$115.00 (includes the cost of AP exam and test prep workbook)*

*Credit 1*

## GRADE 11 SOCIAL STUDIES

#### 967 AMERICAN GOVERNMENT 11A

A study of the Federal and State governments of the United States which describes the major institutions of the governmental system as well as the structure within each institution—executive, legislative and judicial branches. The course will also explore basic economic concepts including managing financial resources, achieving financial security, and learning about the dynamics of global interactions among regions, and nations as they affect all of humanity. The course will be modified to accommodate diverse learners.

*PREREQUISITE: IEP determined. Grade 11.*

*Fee: \$10.00*

*Credit 1*

#### 870 AMERICAN GOVERNMENT

A study of the federal government of the United States which describes the major institutions of the governmental system—executive, legislative and judicial branches. An overall view of the policies and structures of the various government units throughout the 50 states will also be explored. This course is also a study of the fundamentals of economics as well as the ability of individuals to manage financial resources.

*PREREQUISITE: Teacher Recommendation*

*Fee: \$15.00*

#### 869 AMERICAN GOVERNMENT CP

A study of the federal government of the United States which describes the major institutions of the governmental system—executive, legislative and judicial branches. An overall view of the policies and structures of the various government units throughout the 50 states will also be explored. This course is also a study of the fundamentals of economics as well as the ability of individuals to manage financial resources.

*PREREQUISITE: Grade 11.*

*Fee: \$15.00*

*Credit 1*

#### 868 AMERICAN GOVERNMENT HONORS

An in-depth study of the federal government of the United States which describes the major institutions of the governmental system—executive, legislative and judicial branches. An overall view of the policies and structures of the various government units throughout the 50 states will also be explored. This course is also a study of the fundamentals of economics as well as the ability of individuals to manage financial resources.

*PREREQUISITE: Grade 11. Teacher/counselor approval.*

*Fee: \$15.00*

*Credit 1*

#### 871 ADVANCED PLACEMENT GOVERNMENT

This course is specifically designed to prepare students for the A.P. Government exam. The course is a comprehensive study of the structure, organization and operation of the federal, state and local levels of government. In addition, students will identify and compare the characteristics of different types of governments and economies from all parts of the world. Students will improve critical thinking skills through the practice of analyzing and synthesizing primary source documents, treaties and Congressional records. Participation in the College Board Advanced Placement Examination is required for this course.

*PREREQUISITE: Grade 11. Application/teacher approval.*

*Fee: \$115.00 (includes cost of AP exam)*

*Credit 1*

## GRADE 11 OR 12 SOCIAL STUDIES ELECTIVES:

#### 872 WORLD RELIGIONS

This elective class will survey and compare the beliefs and practices of the major world religions, focusing on religions of India, Eastern Religions, and the Abrahamic faiths of Judaism, Christianity and Islam.

*Fee: \$2.00*

*Credit 1/2*

## 874 PSYCHOLOGY

Psychology is a college prep level course that covers core concepts in psychology beginning with the use of the scientific method in research and the physiological basis for behavior. Topics covered include social psychology, perception, states of consciousness, memory and learning. The study of human growth and development, personality, stress and adjustment, and abnormal behavior, treatments, and therapy are also discussed.

Fee: \$5.00

Credit 1/2

## 876 AP PSYCHOLOGY

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Participation in the College Board Advanced Placement Examination is required for this course.

PREREQUISITE: Application/teacher approval.

Fee: \$112.00 (includes cost of AP exam)

Credit 1

## 877 HISTORY AND FILM

This course is designed to examine important events in the history of the United States, and the world, which are depicted through popular film; a medium which is quite powerful, especially to a young audience. Using research techniques and topics designed to provide background knowledge for the selected films, students will gain a better understanding of the key events that have impacted our nation specifically, and the world as a whole. Students will, therefore, come to a greater understanding of how our country, and others around the world, were shaped.

Fee: \$2.00

Credit 1/2

## 879 SOCIOLOGY

Sociology is an elective course geared toward college bound juniors and seniors that studies human society and social behavior. This course deals with the social atmosphere that helps to make us who we are and how we behave. Sociology will cover topics such as culture, violence, deviance, social control, socialization and personality, group behavior, social class, and social institutions. The key component of this course is to study ourselves and the society that influences our behavior.

Fee: \$5.00

Credit 1/2

# WORLD LANGUAGE

All world language courses evaluate speaking, writing, listening and reading skills as the students progress through the course. In addition to prerequisites, promotion to the next level will also be based on teacher recommendation of student proficiency in the language.

## 454 FRENCH I

French I students learn to exchange information through simple conversation which requires the students to learn a large quantity of vocabulary and grammar. Students will acquire verbal and written skills in order to express themselves. Students are introduced to the diversity of the French speaking world with an emphasis on contemporary culture in France, but also in Quebec, the Caribbean and Africa. Students will learn to observe cultural differences. Homework will be assigned frequently to supplement in-class learning materials. This course is conducted increasingly in French and is intended for the college prep student.

PREREQUISITE: 70% or above in last English course.

Fee: \$30.00 (includes workbooks)

Credit 1

## 455 FRENCH II CP

As students progress through the French program, they learn to engage in longer conversations and increase reading skills by expanding their knowledge of verb tenses to include the past tense. DVD and CD programs provide varied formats for students to develop the listening skills they need to move into productive conversation. Students will prepare cultural projects to share with the class. Homework and active verbal participation are necessary for maximum understanding. This course is taught primarily in French.

PREREQUISITE: 70% or above in French I and approval of instructor.

Fee: \$30.00 (includes workbooks)

Credit 1

## 459 FRENCH II HONORS

This course is designed for the college preparatory student who wishes to increase his/her in-depth knowledge of the French language. This course will cover similar topics as French II CP, but will do so in more detail and greater depth. Greater emphasis is placed on verbal language production and the development of the four skills (reading, writing, speaking and listening). This course includes additional projects and stories read outside the classroom. This course is taught primarily in French, and is a required prerequisite for French III Honors.

PREREQUISITE: 80% or above in French I or French II CP, and approval of instructor. Open to grades 9–12

Fee: \$30.00 (includes workbooks)

Credit 1

## 456 FRENCH III HONORS

As students progress through French III, they will be able to appreciate their increased proficiency and enjoyment in learning French. Students will learn additional verb tenses increasing their ability to read short stories and communicate in French. They will prepare individual and group projects to share with the class. Homework and active verbal participation are necessary for maximum understanding. This course is taught primarily in French.

PREREQUISITE: 80% or above in French II Honors and approval of instructor.

Fee: \$10.00

Credit 1

## 457 FRENCH IV HONORS

While continuing to develop listening and speaking skills, more emphasis is on reading novels and writing. Students will continue to expand their growing knowledge of French grammar as well as create cultural projects. Class size may determine structure of this class. Much independent work is required. This course is taught entirely in French.

PREREQUISITE: 80% or above in French III and approval from instructor.

Fee: \$30.00 (includes workbooks)

Credit 1

## 458 FRENCH V ADVANCED PLACEMENT

AP French involves extensive reading, writing and speaking in French. Preparation for the AP exam will be a part of most assignments and will be the overall focus of this class. Students and teacher will speak predominantly in French as their mastery of this language unfolds. This class is equivalent to a third year college course. Participation in the College Board Advanced Placement Examination is required for this course.

PREREQUISITE: 80% or above in French IV and written approval from the French IV instructor.

Fee: \$123.00 (includes workbook and cost of AP exam)

Credit 1

## 468 SPANISH I

This course is conducted increasingly in Spanish and is intended for the College Prep student. Spanish I focuses on the basic communication in the target language about everyday themes and topics. This course requires the students to learn a large quantity of Spanish vocabulary and grammar while putting their newfound communication skills to work in conversations with their peers and the teacher. Homework and additional home study are required, as well as daily verbal participation.

PREREQUISITE: 70% or above in last English course.

Fee: \$35.00 (includes workbook)

Credit 1

## 469 SPANISH II CP

Spanish II briefly reviews material from Spanish I then dives into new vocabulary, irregular verbs, and the past tenses. There is a great deal of culture mixed in with grammar and an increase in the spoken language in the classroom. Students prepare and present verbal presentations. The students will also concentrate on sharpening their reading and writing skills in Spanish. The students must stay current with daily homework assignments and home study in order to be successful in learning the new skills that will be presented. Verbal language participation is required. This course is not a preparation course for Spanish III Honors.

PREREQUISITE: 70% or above in Spanish I or written approval from instructor.

Fee: \$4.00 (includes workbook)

Credit 1

## 472 SPANISH II HONORS

This course is designed for the college preparatory student who wishes to increase his/her in-depth knowledge of the Spanish language. This course will cover similar topics as Spanish II CP, but will do so in more detail and greater depth. Greater emphasis is placed on verbal language production and the development of the four skills (reading, writing, speaking & listening). This course includes additional projects and stories read outside the classroom. This course is taught primarily in Spanish, and is a required prerequisite for Spanish III Honors.

PREREQUISITE: 80% or above in Spanish I or Spanish II CP, and approval of instructor.

Fee: \$4.00 (includes workbook)

Credit 1

## 470 SPANISH III HONORS

This class concentrates on Spanish and Latin American cultures. A minimum of two novels will be read. The content taught in this course will advance students to a higher level of language acquisition and a more sophisticated level of communication. Numerous presentations, essays and skits are required. This class is conducted almost entirely in Spanish. Students are also expected to communicate almost entirely in Spanish. Independent study and verbal participation are required in this course.

PREREQUISITE: 80% or above in Spanish II Honors and written approval from Spanish II instructor.

Fee: \$35.00 (includes workbook)

Credit 1

## 471 SPANISH IV HONORS

Spanish IV is a rigorous course that focuses on the integration of the four language skills (reading, writing, speaking and listening) while learning about the various cultures and traditions of the Spanish-speaking world. Grammar skills and vocabulary development will be reviewed and expanded. Verbal presentations are an integral part of this course. There is an emphasis on culture through the use of authentic texts, music and cinema. This course is conducted primarily in Spanish.

PREREQUISITE: 80% or above in Spanish III and written approval from Spanish III instructor.

Fee: \$40.00 (includes workbook)

Credit 1

## 473 SPANISH V ADVANCED PLACEMENT (LANGUAGE)

AP Spanish involves extensive reading, writing, listening, and speaking in Spanish. Preparation for the AP Language exam will be a part of every assignment and will be the overall focus of this class. Students and teacher speak solely in Spanish as their mastery of this language unfolds. This class is equivalent to a third year college course.

Participation in the College Board Advanced Placement Examination is required for this course.

PREREQUISITE: 80% or above in Spanish IV and written approval from the Spanish IV instructor.

Fee: \$127.00 (includes workbook and cost of AP exam)

Credit 1



To be considered for the Tech Prep program students must:

- have completed the 10th grade
- earned a minimum 2.0 grade point average
- have passed Algebra I (with a “C” average or above); may take Geometry concurrently
- have a solid work ethic
- have a good attendance record

Upon completion of the two-year Tech Prep Program, students may be eligible for a \$3,000 scholarship at Sinclair Community College.

### 194 INFORMATION TECHNOLOGY I

This first course in the IT career field is designed to provide students with a working knowledge of computer concepts and essential skills necessary for work and communication in today’s society. Students will learn safety, security, and ethical issues in computing and social networking. Students will also learn about input/output systems, computer hardware and operating systems, and office applications.

Learners apply fundamental principles of IT, including the history of IT and its impact on society, common industry terms, systems theory, information storage and retrieval, database management, and computer hardware, software, and peripheral device configuration and installation. This base of knowledge and skills may be applied across the career field.

In the second half of the course, students will apply knowledge and skills of commercial and open source operating systems in portable, stand alone, and networked devices. Students will install a variety of operating systems manually and using remote assistance. They will learn to configure, modify, and troubleshoot operating systems. Desktop virtualization, system security, and operating system history will be addressed.

In addition, students will learn the basics of building simple interactive applications. Students will learn the basic units of logic: sequence, selection and loop. Students will apply algorithmic solutions to problem-domain scenarios. Students will gain experience in using commercial and open source languages, programs, and applications.

*PREREQUISITE: Computer Applications, application/instructor approval*  
*Fee: \$20.00 (includes flash drive) Credit 2*

### 195 INFORMATION TECHNOLOGY II

Students will learn to install, repair, and troubleshoot computer hardware systems. They will perform preventative maintenance practices and learn techniques for maintaining computer hardware security. Communication skills and professionalism in troubleshooting situations will be emphasized.

In the second half of this course, students will learn the dynamics of the Web environment while pursuing an in-depth study of both Hypertext Markup Language (HTML) and Cascading Style Sheets (CSS). Web based protocols such as FTP, TCP/IP, and HTTP will be addressed. Students will create a website with tag text elements, special characters, lines, graphics, hypertext links, and graphical tables.

Learners apply principles of design and technology, including programming standards and protocols, to create, test, host, and maintain web pages and websites with text, graphics, multimedia, scripting, linking, and data integration in a structure that is easy to navigate and accessible for all users via a variety of hardware and software platforms.

Each student will work with a local business partner to successfully complete a Senior Capstone Project on a topic of their choice.

Students successfully completing both years of this program may be eligible for a Sinclair Community College Tech Prep scholarship.

*PREREQUISITE: Information Technology I Credit 2*

### 255 MEDIA ARTS I

This program will help students acquire the fundamentals of design that can help them pursue a number of creative career options. This includes graphic designers and television broadcast professionalizes part of Tech Prep this program focuses on creating, designing and producing multi-media products and services. Students will learn all aspects of television production in MHS’s fully functioning broadcast studio and editing suite. Students will also begin creating graphic design projects using Adobe Photoshop, Illustrator, Encore, and After Effects. Students also produce *Burg’s Eye View*, a monthly television show.

*PREREQUISITE: Recommended Introduction to Television. Tech Prep application.*  
*Fee: \$25.00 (Includes flash drive) Credit 2*

### 256 MEDIA ARTS II

The second year of the Tech Prep program allows students to expand their skills and advance their knowledge of other forms of multi-media design through various projects and internships. Students produce a weekly television show; *1860 Belvo*, various client-based graphic design projects, and will conclude with a multimedia capstone project.

*PREREQUISITE: Media Arts I.*  
*Fee: \$5.00 Credit 2*

### 650 EXERCISE AND SPORTS SCIENCE I

A Tech Prep program offered to Juniors. This class is a year long class and will expose the students to a wide variety of exercise, sports science and sports medicine topics. These topics include anatomy and physiology, safety practices, first aid and CPR, sports medicine, information technology, personal fitness, strength, speed, flexibility and cardiovascular training. Students accepted into this class must also take an anatomy class during the second year of this program. This is a two-year program designed to prepare the student to attend college. This program helps to prepare students in careers in exercise science, sports medicine, nursing, physical therapy, medicine as well as other health related fields. Students can earn college credit. Completion of both classes can lead to a scholarship to Sinclair Community College.

*PREREQUISITE: Application/instructor approval*  
*Fee: \$15.00 Credit 2*

### 651 EXERCISE AND SPORTS SCIENCE II

This is a continuation of Exercise and Sports Science I (650). Many of the same topics will continue to be covered from 650. Students will continue to be prepared to attend college and to possibly pursue a career in an exercise science, health or medically related field. Students will continue to be exposed to different types of physical exercise. Students must take an anatomy class during the second year of this program. Students who were enrolled in 650 will continue in 651. Students can earn college credit. Completion of both classes can lead to a scholarship to Sinclair Community College.

*PREREQUISITE: Exercise and Sports Science I*  
*Fee: \$15.00 Credit 2*

### 730 ENVIRONMENTAL ENGINEERING AND NATURAL RESOURCE MANAGEMENT TECH PREP I

Students will study the relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution and wetland management will be applied. Students will examine economic fundamentals of resource development, agriculture sustainability, energy needs and pollution control. Students will conduct numerous outdoor field studies in forestry, watershed management and agricultural science; then analyze and interpret the data gathered. Students will develop responses to environmental problems and management strategies for responsible conservation and resource use.

In the second half of the course, students will complete work in Fish and Wildlife Management. Students will learn to properly handle wild animals, principles of wildlife management, inventory practices, water quality testing and propagation. Students will apply principles of facility design and layout for managing fish and wildlife popula-

tions. Students will compete in Future Farmers of America (FFA) competitions in soils, wildlife management and nature interpretation. Field trips to the Cincinnati Zoo and wildlife management areas will be included.

Students will complete the Open Water SCUBA course work with an opportunity to earn an additional 2 credit hours from Sinclair Community College. There will be an optional off-site SCUBA certification program to complete their training. Chemistry is required either the junior (preferred) or senior year. Students will be required to participate in the AP Environmental Science exam their senior year as a requirement of this Tech Prep program. Students successfully completing both years of the program will be eligible for the \$3,000 Sinclair Community College Tech Prep Scholarship.

*PREREQUISITE: Grade 9 and 10 science requirements. Application/instructor approval*  
*Fee: \$25.00 (plus cost of certification programs) Credit 2*

### 731 ENVIRONMENTAL ENGINEERING AND NATURAL RESOURCE MANAGEMENT TECH PREP II

As a continuation of the Tech Prep program, students will apply best management practices to protection of renewable and non-renewable natural resources. Communication, business principles and leadership skill development are essential. Students will analyze and interpret biological, chemical and physical properties of soil, water and air. They will determine the source and type of environmental contamination, evaluate pollution control measures and be prepared to respond accordingly. Students will develop and implement environmental plans and conduct a Phase One site assessment. Students will compete in Future Farmers of America (FFA) competitions in soils, wildlife management and nature interpretation. Students will complete field studies at Ohio State University Stone Lab.

Students will complete industry standard 40-hour HAZWOPER training with the opportunity to earn 5 college credits through Sinclair Community College. Students will have the opportunity to earn an additional 5 credit hours in environmental sampling and assessment and 2 credit hours in engineering computer basics from Sinclair Community College. Students will complete the Advanced Open Water SCUBA course work with an opportunity to earn an additional 2 credit hours from Sinclair Community College. There will be an optional off-site SCUBA certification program to complete their training. Each student will work with a local environmental professional to complete a Senior Capstone Project on a topic of their choice. Students successfully completing both years of the program will be eligible for the \$3,000 Sinclair Community College Tech Prep Scholarship. Participation in the College Board Advanced Placement Examination is optional for this course. Success on this test may lead the granting of college credit.

*PREREQUISITE: Environmental Engineering Tech Prep I*  
*Fee: \$25.00 (plus cost of certification programs; and cost of AP test if taken) Credit 2*

### MVCTC STUDENTS

The Miami Valley Career Technology Center campus is located in Clayton, Ohio. They are dedicated to providing premier educational, vocational and advanced employment preparations for students in the Miami Valley.

MVCTC has over fifty career options available that students typically begin as juniors and study for two years. Upon graduation, these students receive a Miamisburg High School Diploma, along with a certificate from the MVCTC. MVCTC offers a challenging academic curriculum along with multiple hands-on and laboratory activities.

A very attractive option at the MVCTC, are their “Tech Prep” programs where students earn high school and college credits at the same time. In addition, a “Tech Prep” student can earn a \$3,000 scholarship to Sinclair Community College upon program completion at the MVCTC. Students who have not mastered all areas of the OGT, prior to attending MVCTC, will receive assistance from the academic and career tech staff. See your counselor for more information and for a complete listing of the MVCTC programs (with course descriptions).

To earn a diploma, a MVCTC student must successfully complete 22 credits, meet state testing requirements, and meet all MHS graduation requirements.

# HIGH SCHOOL MAP TO SUCCESS CHECKLIST

## FRESHMAN YEAR

- Take challenging classes in English, mathematics, science, history, the arts and foreign language.
- Organize yourself. Goal Plan. Focus on academics. Decide to excel in ALL classes. Your overall GPA starts in your freshman year.
- Develop strong study skills.
- Get involved! Join at least one club and/or organization on campus.
- Participate in at least one extra-curricular activity. This can be focused on academics and/or athletics.
- Volunteer in your community. Make a goal to donate at least 10 hours of your time this year.
- Start researching career and college options in preparation for the future. Complete an educational planner.

## SOPHOMORE YEAR

- Take challenging classes in English, mathematics, science, history, the arts and foreign language.
- Focus on academics. The goal is graduation! Your "ticket to the future" is your high school diploma!
- Get serious about researching careers and colleges. Make a master list for each. The summer after your sophomore year - try to visit some of your selected schools and/or intern at a desired career choice. Careers class this year is a valuable tool.
- Begin creating a high school resumé.
- Continue to volunteer in your community. Make a goal to donate at least 12 hours of your time this year.
- Update your educational planner.
- Take the PSAT in October.
- Take the PLAN test (the practice ACT) in November.
- Stay active in school through clubs, organizations and/or sports.
- Explore MVCTC options.
- Research College Credit Plus, attend meeting in April to decide if this option is for you.

## JUNIOR YEAR

- Take challenging classes in English, mathematics, science, history, the arts and foreign language.
- Narrow your college list and career options. Continue to research the qualifications, training, course requirements, etc. Determine whether your high school course choices meet the requirements of your goal and align with admission requirements.
- Visit some of your top college choices during the summer after your junior year. Try to narrow your choices to the "top 5".
- Begin the application process for your top choices during the summer after your junior year. Most importantly, examine the required essays and begin writing them.
- Begin looking online and visiting your high school / college center to investigate scholarship opportunities. Complete as many applications as possible before your senior year. Visit area college fairs.
- Update your high school resumé.
- Continue to volunteer in your community. Make a goal to donate at least 15 hours of your time this year.
- Focus on academics. Reassess your commitment to graduate. Are you on track or not? If not, what do you need to do about it? Consider signing up for dual credit classes to get a head start on college.
- Update your personal graduation plan.
- Stay active in school through clubs, organizations and/or sports.
- Take the PSAT in October.
- Register to take the SAT / ACT in the Spring of your junior year. If you are unhappy with the scores, retake it in your senior year.
- Research College Credit Plus, attend meeting in April to decide if this option is for you.

## SENIOR YEAR

- Retake ACT in the Fall if needed.
- Your senior year should be focused on your "ticket to the future!" -- your high school diploma. It is not the time to slack off on your classes. Don't forget the value of 4<sup>th</sup> year math, science and English courses! Consider dual credit and/or AP courses.
- Immediately begin the application process for your "top 5" college choices. Decide if you want to meet the early registration deadline; Usually October 1<sup>st</sup>. Many applications are due by Dec. 1<sup>st</sup>.
- Work on identifying and applying for scholarships. Select three teachers to ask for written references. Be considerate and ask them early in September to allow time for completion before the first of October.
- In December and early January, work with family members to prepare the Free Application for Federal Student Aid (FAFSA). Aid is given on a first-come / first serve basis and you can submit beginning January 1.
- Attend the MHS Financial Aid night in December.
- Update and finalize your high school resumé. Review your personal graduation plan. How well have you done on your goals?
- Continue to be active in your school and community. Set a goal of 15 hours of community service again this year! You're a senior -- lead a project! Get involved and make a difference!
- Check online guidance newsletter for scholarship information.
- Attend the Senior Scholarship meeting. Apply for all appropriate scholarships.

# COUNSELOR CONTACTS

Questions about the scheduling process can be addressed by the Counseling Office. We have included a list of our Counselors and the students for which they have responsibility:

Susan Stromp  
A thru D  
sstromp@miamisburg.k12.oh.us

Jodi Hall  
E thru R  
jhall@miamisburg.k12.oh.us

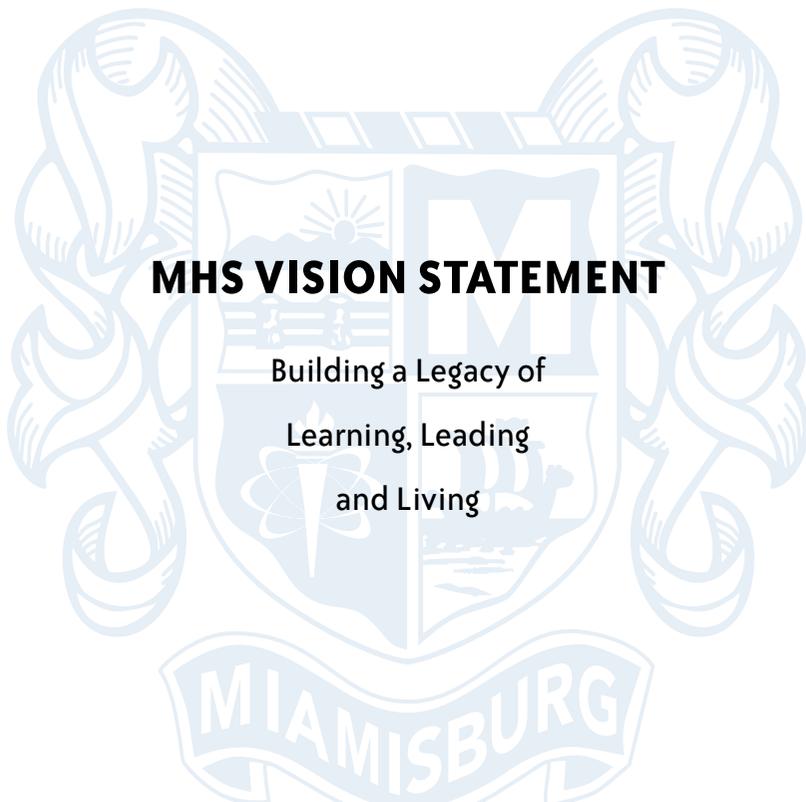
Sandra Sweetnich  
L thru R  
ssweetnich@miamisburg.k12.oh.us

Melissa Risner  
S thru Z  
mrisner@miamisburg.k12.oh.us

### FOR FURTHER INFORMATION, VISIT THESE WEBSITES

ACT: [www.actstudent.org](http://www.actstudent.org)  
SAT: [www.collegeboard.com/mysat](http://www.collegeboard.com/mysat)  
NCAA: [www.eligibilitycenter.org](http://www.eligibilitycenter.org)  
NAIA: [www.playnaia.org](http://www.playnaia.org)  
MVCTC: [www.mvctc.com](http://www.mvctc.com)  
FAFSA: [www.FAFSA.ed.gov](http://www.FAFSA.ed.gov)  
COLLEGE SEARCH: [www.college.org](http://www.college.org)

\*\* Students who are on an IEP and are interested in receiving testing accommodations, please see your guidance counselor at least 3 months prior to testing date.



## MHS VISION STATEMENT

Building a Legacy of  
Learning, Leading  
and Living

Miamisburg High School, 1860 Belvo Road

Miamisburg, Ohio 45342

(937) 866-0771 • (937) 865-5267 Fax

[www.miamisburgcityschools.org](http://www.miamisburgcityschools.org)

### 2016–2017 CALENDAR

August 11, 2016	First Day of Instruction
September 5, 2016	No School—Labor Day
September 23, 2016	No School—Staff In-Service
Sept. 30–Oct. 1, 2016	Homecoming Weekend
October 7, 2016	End of 1st Grading Period
October 10, 2016	No School—Parent/Teacher Conferences *Grades PK–12
Oct. 11–14, 2016	No School—Fall Break
October 17, 2016	First Day of 2nd Grading Period
November 7, 2016	No School—Staff In-Service
November 23–25, 2016	No School—Thanksgiving Break
December 21, 2016	End of 2nd Grading Period
Dec. 22, 2016 – Jan. 3, 2017	No School—Winter Break
January 4, 2017	Beginning of Second Semester
January 16, 2017	No School—Martin Luther King, Jr. Day
February 10, 2017	No School—Staff In-Service
February 20, 2017	No School—President's Day
March 10, 2017	End of 3rd Grading Period
March 13, 2017	First Day of Fourth Grading Period
March 27, 2017	No School—Parent/Teacher Conferences* Grades PK–12
March 28 – 31, 2017	No School—Spring Break
April 14, 2017	No School—Professional Development Day
May 23, 2017	End of Fourth Grading Period