



OWOSSO PUBLIC SCHOOLS

*Ready for the World*

# **OWOSSO HIGH SCHOOL 2023-2024 CURRICULUM GUIDE 10<sup>TH</sup>, 11<sup>TH</sup> & 12<sup>TH</sup> GRADES**



**Notification of Nondiscrimination Statement and Compliance Officers:**

The Owosso Public School District does not discriminate on the basis of race, color, national origin, sex (including sexual orientation or gender identity), disability, age, religion, height, weight, marital or family status, military status, ancestry, genetic information, or any other legally protected category, (collectively, "Protected Classes"), in its programs and activities, including employment opportunities. In addition, arrangements can be made to ensure that the lack of English language proficiency is not a barrier to admission or participation.

The following compliance officers have been designated to handle inquiries regarding the nondiscrimination policies and grievance procedures: Rich Collins, Principal, Owosso Middle School, 765 E. North St., Owosso, MI 48867, (989) 723-3460, [collinsr@owosso.k12.mi.us](mailto:collinsr@owosso.k12.mi.us) or Dr. Catheryn Dwyer, Assistant Principal, Owosso Middle School, 765 E. North St., Owosso, MI 48867 (989) 723-3460, [dwycr@owosso.k12.mi.us](mailto:dwycr@owosso.k12.mi.us). The Section 504 Coordinator is Bridgit Spielman, Principal, Central Elementary 600 W. Oliver St., Owosso, MI 48867 (989) 723-2790 [spielman@owosso.k12.mi.us](mailto:spielman@owosso.k12.mi.us)

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## WELCOME

**W**elcome to the Owosso High School (OHS) Curriculum Guide and Course Descriptions.

*In this document you will find all courses offered by OHS as well as programs that our students participate in through career and post-secondary educational exploration. You will see courses and programs that span one semester all the way to 5 years. Some programs can lead to not only to a high school diploma, but could include a skilled trades certificate, an associate degree or up to 60 college credits. Students should work closely with their counselor to be sure the courses they are selecting over the 4 years lead to a program of study at a post-secondary institution providing credentials for employment.*

*Our counselors work hard through various classroom presentations, individual advising sessions, field trips and grade level presentations to inform students of the variety of opportunities open to them. Counselors work with students and parents to assist in deciding their program of study while at OHS and for their post-secondary educational programming.*

*As you go through the departments and look at the course offerings within each department, be aware of those areas indicating students would need to continue in the “program” over a couple years to benefit from the credits earned. Use the various tools in the back of this guide to help with planning the 4 years at OHS.*

*Students creating a 4-year plan with courses from the OHS curriculum will have created a plan that prepares them to successfully enter a post-secondary educational institution with goals for employment and/or a career. The courses they select should be connected to their program of study for beyond high school.*

# MICHIGAN MERIT CURRICULUM (MMC)

## REQUIREMENTS FOR GRADUATION

### ENGLISH DEPARTMENT = 4 CREDITS

|                       |  |
|-----------------------|--|
| (1 credit) 9th grade  | Language & Literature 9 or Honors Language & Literature 9  |
| (1 credit) 10th grade | Language & Literature 10 or Honors Language & Literature 10                                      |
| (1 credit) 11th grade | Language & Literature 11 or Honors Language & Literature 11 or AP English Language/Composition   |
| (1 credit) 12th grade | Language & Literature 12 or Honors Language & Literature 12 or AP English Literature/Composition |

### MATHEMATICS = 4 CREDITS

|                       |   |
|-----------------------|---|
| (1 credit) 9th grade  | Algebra One or Geometry or Applied Algebra Two or Algebra Two A or Algebra Two Honors   |
| (1 credit) 10th grade | Geometry or Algebra Two A or Algebra Two B or Applied Algebra Two or Algebra Two Honors |
| (1 credit) 11th grade | Algebra Two A or Algebra Two B or Applied Algebra Two or Algebra Two Honors             |
| (1 credit) 12th grade | 4th year Math or Math in Content Area or Algebra Two B                                  |

### SOCIAL STUDIES = 3 CREDITS

|                       |  |
|-----------------------|--|
| (1 credit) 9th grade  | United States History or United State History Honors |
| (1 credit) 10th grade | World History or World History Honors or AP World    |
| (1 credit) 11th grade | Civics/Economics or AP Government                    |

### SCIENCE = 3 CREDITS

|                            |  |
|----------------------------|--|
| (1 credit) 9th grade       | Life Science or Life Science Honors  |
| (1 credit) 10th grade      | Students select from one of the science pathways: <ul style="list-style-type: none"><li>• Agri-Sci - Agri-Zoology/Animal Science</li><li>• Biomedical – Principles of Biomedical Science</li><li>• Engineering – STEM Exploration/Intro to Engineering Design/Principals of Engineering</li><li>• Traditional - Chemistry or Chemistry Honors or Physics</li></ul> |
| (1 credit) 11th/12th grade | Science Course or CTE Program of Study Completion*   |

### PHYSICAL EDUCATION/HEALTH = 1 CREDIT

|              |  |
|--------------|--|
| (1 semester) | General PE, Aerobic Fitness, STC             |
| (1 semester) | Health                                       |
| <b>OR</b>    |  |
| (4 credits)  | Band   |
| (.50 credit) | Health                                       |
| <b>OR</b>    |  |
| (.50 credit) | 2 years of participation on an athletic team |
| (.50 credit) | Health                                       |

### FOREIGN LANGUAGE = 2 CREDITS IN THE SAME FOREIGN LANGUAGE

VPAA – Visual, Performing and Applied Arts = 1 credit

\*Student should check the Appendix for CTE Program of Study Completion to confirm what CTE Courses provide high school diploma core credits.

- **Class of 2024: Owosso High School Total Credits Needed to Graduate = 24**

➤ **Classes of 2025 & 2026: Owosso High School Total Credits Needed to Graduate = 26**

# PROGRAMS AT OWOSSO HIGH SCHOOL

- **Advanced Placement Program (AP)**

A program in the United States and Canada that offers college level courses and exams to high school students. Students have the opportunity to earn high school and college credit through the twelve on site AP courses offered at OHS. Students are expected to take the AP Exam at the end of the school year. Students are expected to pay the annual fee, and fee waivers are available. See your counselor for additional information. Students will be expected to commit to the AP Course by June 1st. Students taking an AP Course will be graded on a weighted scale. Grades multiplied by a factor of 1.3. Student who do not take the AP Exam will have recorded on the transcript that the course was an Honors class despite its original AP label and not weighted grade will be calculated.

- **Career & Technical Education (CTE)**

Defined as high school instructional programs that prepare students for specific careers. The programs consist of a series of courses that prepare youth for high-wage, high-skill, high-demand careers. The goal of CTE is to ensure that students, in grades 9-12, have strong academic foundations, as well as specific technical skills so that they may enter and succeed in their chosen career and/or postsecondary program. Owosso High School's CTE programs provide career readiness skills that replicate business and industry while also providing students with an opportunity for work-based learning and student leadership opportunities. CTE instructional programs start in high school and then continue at the postsecondary level. A "program of study" is developed with input from secondary teachers, postsecondary instructors, and business/industry and provides a seamless transition from high school into either the postsecondary programs or workplace. Through aligned programs, postsecondary education is supported and encouraged through dual enrollment, direct credit, and early/middle college options. These options allow students to earn college credit while still in high school. Adapted from the *Going Pro in Michigan CTE Playbook*.

- **Countywide Programming**

A partnership through the Shiawassee Regional Education District (SRES), students that meet the requirements for admission can participate in a college program through Baker College, Mott Community College (MCC) or Lansing Community College (LCC). This program leads to employable credentials and is considered a dual enrollment program under the Post-Secondary Enrollment Act 160 of 1996.

- Transfer Credits – Students can have courses taken at the middle school level count toward graduation. Algebra One, Online Experience, Language Acquisition (Foreign Language) credits can be counted toward high school graduation. Students who enhance their education with additional programs outside of the district can have credits count as electives. The credit will show as a "CR" on the transcript as the grade, and how much credit was accepted (0.5 or 1.0), does not count in ranking, GPA or honor roll.
- Online Credit – Shows as a "CR" on the transcript as the grade, and how much credit was accepted (0.5 or 1.0), does not count in ranking, GPA or honor roll.
- External Course Credits – Courses taken outside of the OHS course offerings. Students can have them entered on the transcript, but there will be no credit, no grade and excluded from ranking, GPA, and honor roll.

- **Michigan Merit Curriculum**

The core requirements to receive a diploma from Owosso High School allows students to complete high school with a curriculum that meets the college and career readiness standards to successfully enter a post-secondary educational institution. See Appendix A for the Michigan Merit Curriculum table outlining the requirements for graduation.

- **Online Learning GenNET (Genesee ISD online courses)**

Students can explore various careers through the courses provided through online programming. The link to explore the various providers who offer the online courses can be accessed on the GenNet website page: [www.gennet.us](http://www.gennet.us).

Students will need to meet the requirements set down by the MDE regarding required benchmarks in order to participate in online learning programs. These courses require students to be self-motivated, work independently without a teacher present and to submit work through the internet.

- **Development of a Program of Study (4 Year Plan)**

Students and parents need to work together in the development of a program of study over the 4 years at Owosso High School.

Counselor and Teachers are strong resources in making sure students are considering and selecting courses each year to challenge them not only academically but personally. Exploration of various programs is highly encouraged to get a feel for the students' strengths, interests and how they can be used to enrich the journey not only through high school but into the student's post-secondary training toward employment.

- **Counselors**

Well versed in the expectations of the courses offered at Owosso High School as they meet with the teachers and department chairs to go over each course offered for that school year.

- **Xello**

Career exploration tool used by the counseling department providing students with a wealth of knowledge about careers, the courses recommended to take in high school for that career, resume building, college planning programming, job outlooks for the state of Michigan and across the country over the next 10 years are just a few of the tools Xello has open to students. [www.Xello.com](http://www.Xello.com) is the website students and parents can go to when exploring courses and careers.

Through a battery of questions about work in general students can be given a number of careers to consider as a program of study based on their responses. There is a second questionnaire that given students an indication of their aptitudes for work and then they students are given video recording of people telling them about what they do each day in their career.

- **College Board**

A program online at [www.CollegeBoard.org](http://www.CollegeBoard.org), providing various tools for parents and students to learn about planning for high school and beyond, financial planning and scholarships, job interviewing skills, test taking skills, and career exploration. Students are advised to talk to their counselor or an AP teacher to set up their account.

- **Assessments**

Provided through the 4 years at Owosso High School which give students additional information about their abilities, strengths areas to work on and options for programs of study beyond high school.

- 9th grade PSAT 8/9 - State mandated assessment to assist students with expected levels of academic progress in Math and Evidenced based Reading and Writing. Students are able to create an account for themselves through the College Board ([www.CollegeBoard.org](http://www.CollegeBoard.org)) so they can work to reach benchmarks in their PSAT scores indicating to them they have the ability to successfully work at college level curriculum at a grade of C average or better.
- 10<sup>th</sup>-12<sup>th</sup> grade ASVAB – Optional vocationally based assessment which will indicate what aptitudes the students have in working environments and provides them over 500 programs of study to consider. Students can not only link their work skills to training beyond high school but can use it to link to salaries and earning, outlook for job opening over 10-year period, along with links to Michigan Works and Free Application for Financial Aid.
- 10th grade PSAT 10 - Second level of state mandated assessment used to continue to monitor student growth in Math and Evidenced based Reading and Writing. Students are able to practice their test taking

skills through the College Board account with access to National PSAT Tests from prior years. Students are given time during Grade Level Academic Day (2 times a month for one hour) to access BigFuture and the practice tests to work on their weakness and learn about strategies for test taking as well as exploring videos of individuals working in different careers talking about their work each day.

- 11th grade SAT - State mandated assessment is the final state assessment students are given to meet the benchmarks of not only Math and Evidenced based Reading and Writing but also Science and Social Studies with the Michigan Dept. of Education assessments. The SAT tests is also the assessment used by many colleges and universities as part of the decision making for admission to their institution. It is by no means the only measure but part of many factors considered.

- **Grading Policies**

The Student Services Center believes that the learning experience is the most important part of every day at Owosso High School. Counselors will continue to encourage students to select their program of study based on exploration of curriculum and lifelong learning experiences through course work. These experiences and explorations can assist them in making decisions about their post-secondary planning, but for now the evaluative tool is the grading process.

Any course that provides a letter grade means the calculations will be included in the GPA, Rank and Honor Roll calculations for the student.

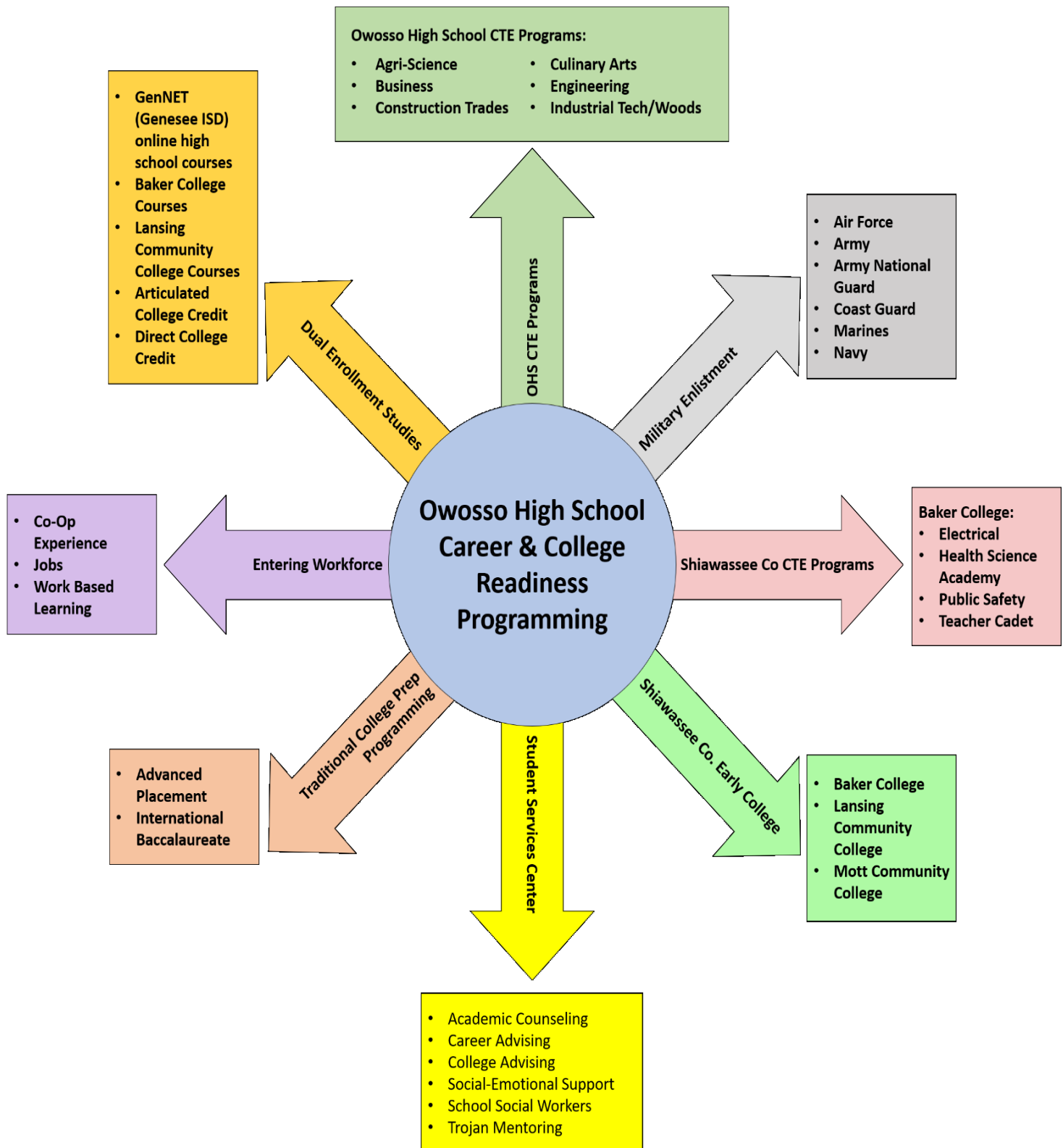
Any course showing a mark of “CR” (credit) or “NC” (no credit)” will be excluded from calculations toward GPA, Rank and Honor Roll.

- Courses Taken Outside of the Owosso High School Curriculum Involves the Following:
  - ♦ 2.0 credits are the maximum number of credits allowed to count toward graduation when taken during the Summer School program.
  - ♦ “CR” will represent on the transcript if credit was awarded and how much credit in each subject area.
  - ♦ Transcripts will show “CR” for the class, how much credit, but will not calculate in GPA, Ranking and Honor Roll.
- Credit Recovery Within School Year:
  - ♦ 0.5 elective credit is awarded to the student for 1 period of online credit recovery in a semester. The online credit recovery teacher will indicate to the Student Services Center Counselor the student has met the class expectations and should be given 0.5 of elective credit.
  - ♦ “CR” will show as the grade for the class a student has successfully recovered the credit.
  - ♦ Maximum number of credits per year earned for online credit elective = 1.0 credit. Counselor can give approval for additional online recovery credit attempts beyond 1 credit hours.
- Dual Enrollment:
  - ♦ This is the enrollment of student into a college course through various avenues open to students in 10th through 12th grades.
  - ♦ The student will receive a “CR” for each course they enroll in and successfully complete with a passing grade from the instructor. The grade report will be printed and placed into the students CA – 60 files, however, the transcript will show “CR” for Successful Completion of the course. There is no grade point average calculated into the Honor Roll, Ranking or GPA.



- Home School Credits and Grading:
  - ♦ 0.5 credit per semester per each class is awarded for Successful Completion.
  - ♦ If an official transcript from the homeschool institution is not provided, students will need to pass the final exam in the subject they are wanting credit so counselors can determine they are properly placed into the correct course upon enrollment into Owosso HS.
  - ♦ “CR” will be the grade listed on the transcript and no calculations will be included on the GPA, Rank or Honor Roll.
- Middle School Courses Counting Toward Owosso High School Diploma:
  - ♦ Algebra One, Geometry, and Language Acquisition (Foreign Language) will be indicated on the student’s transcript along with the amount of credit they earned at the middle school level. (i.e.,  $\frac{1}{2}$  credit = 0.5, 1 credit = 1.0)
- Testing Out:
  - ♦ Students have the options to attempt to take the final exam of courses required for graduation. Should a student elect to “Test Out”, they must register to take the exams in the Main Office prior to June 1st, and take the final exam on the date indicated just prior to Trojan Days.
  - ♦ Department Chairs will be given the student’s exams for grading. Scoring the exam could take up to 2 weeks. Counselors will let the student know if they have passed the exam at which time they will meet with the student to make any changes to their schedule for the school year.
  - ♦ The credit received by successfully passing the final exam will be documented on the student’s transcript as “CR” at the end of the 1st semester when all grades are stored to the transcripts.

# CAREER & COLLEGE READINESS PROGRAMMING DIAGRAM



# MICHIGAN MERIT CURRICULUM (MMC)

## GRADES 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup> CORE CURRICULUM

### LANGUAGE & LITERATURE DEPARTMENT

|  COURSE NO. S1/S2 | COURSE NAME             | GRADE LEVEL | CREDIT |
|--|-------------------------|-------------|--------|
| HS0103AA/HS0103AB  | Language & Literature 9 | 9           | 1      |

☒ Prerequisite: None

This is the first high school level English class that covers a broad range of writing, literature, informational (non-fiction text), language and speaking skills. Students will review the writing process and write several varieties of essay including narrative, argumentative, and informative/explanatory. Students will learn the fundamentals of literary terms and work with an assortment of literature and informational texts. *To Kill a Mockingbird*, *Of Mice and Men*, *The Tragedy of Romeo and Juliet*, *The Glass Castle*, and novels of choice are pieces of literature addressed, along with a variety of informational articles and non-fiction texts. Language standards, which include grammar and vocabulary, are stressed along with speaking and listening skills, and critical reading.

- This course fulfills the MMC 10th grade English requirement

★ Program Opportunities:

- o Arts and Communication
- o Agri-Science and Natural Resources
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name                    | Grade Level | Credit |
|--|--------------------------------|-------------|--------|
| HS0104AA/HS0104AB  | Language & Literature 9 Honors | 9           | 1      |

☒ Prerequisite: None

This is the first high school level English class that covers a broad range of writing, literature, informational (non-fiction text), language and speaking skills. Students will review the writing process and write several varieties of essay including narrative, argumentative, and informative/explanatory. Students will learn the fundamentals of literary terms and work with an assortment of literature and informational texts. *To Kill a Mockingbird*, *Of Mice and Men*, and novels of choice are pieces of literature addressed, along with a variety of informational articles, non-fiction text, and the works of William Shakespeare. Language standards, which include grammar and vocabulary, are stressed along with speaking, listening, critical reading, critical writing, and critical thinking.

➔ Important Course Considerations:

- ✓ This course requires additional reading and writing outside of class time.
- ✓ The majority of grading comes from essays and tests.
- This course fulfills the MMC 10th grade English requirement

- ✦ Program Opportunities:
  - o Arts and Communication
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences
  - o Human Services
  - o Agri-Science and Natural Resources

|  Course No. S1/S2 | Course Name              | Grade Level | Credit |
|--|--------------------------|-------------|--------|
| HS0110AA/HS0110AB  | Language & Literature 10 | 10          | 1      |

☑ Prerequisite: Successful completion of Language & Literature 9.

📖 Note: If you did not receive credit in one of the above prerequisite courses you will need to select English Literature/Composition 9 for each semester you did not receive credit.

Language & Literature 10 is a continuation of studies begun in Language & Literature 9. Students will be asked to take an integrated and conceptual approach to the study of the various genres, forms and skills found in language, literature, drama, informational text (non-fiction), grammar, critical reading, critical thinking, speaking, and listening. Novels may include *The Great Gatsby*, *The Crucible*, and books of choice. In addition to the novels, students will review the writing process and write a variety of essays including narrative, argumentative, rhetorical analysis, and informative/explanatory.

- This course fulfills the MMC 10th grade English requirement

- ✦ Program Opportunities:
  - o Arts and Communication
  - o Agri-Science and Natural Resources
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences
  - o Human Services

|  Course No. S1/S2 | Course Name                     | Grade Level | Credit |
|--|---------------------------------|-------------|--------|
| HS0111AA/HS0111AB  | Language & Literature 10 Honors | 10          | 1      |

☑ Prerequisite: Successful completion of Language & Literature 9 or Language & Literature 9 Honors.

📖 Take Note: If you did not receive credit in one of the above prerequisite courses you will need to select English Literature/Composition 9 for each semester you did not receive credit.

This is a basic survey of American Literature covering the early 1600's to the present. Besides the textbook, students may read *The Crucible*, *The Great Gatsby*, informational texts and non-fiction articles. There will be an emphasis on the various forms of contemporary literature: short story, drama, poetry, non-fiction, and the novel. Along with speaking and listening skills, students will review the writing process and write a variety of essays, including narrative, argumentative, expository, and a research-based paper. Assessment is through quizzes, tests, and writing assignments. This course uses critical reading and higher-level thinking skills in discussion, as well as in written work.

➔ Important Course Considerations:

- ✓ This course requires additional reading and writing outside of class time.
- ✓ The majority of grading comes from essays and tests.


- This course fulfills the MMC 10th Grade English Requirement

★ Program Opportunities:

- o Arts and Communication
- o Agri-Science and Natural Resources
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name              | Grade Level | Credit |
|--|--------------------------|-------------|--------|
| HS0112AA/HS0112AB  | Language & Literature 11 | 11          | 1      |

- ☑ Prerequisite: Successful completion of Language & Literature 10 or Language & Literature 10 Honors.

 Take Note: If you did not receive credit in one of the above prerequisite courses you will need to select Language & Literature 10 for each semester you did not receive credit.

Language & Literature 11 is an extension of Language & Literature 9 and Language & Literature 10 focusing on literature from many world venues beyond the US. It is primarily a composition and literature class. Writing includes a variety of modes: narrative, argumentative, SAT prep, and informative/explanatory. Literature may include *Lord of the Flies*, *Tuesdays with Morrie*, *Julius Caesar*, and *Night*, demonstrating a variety of writing forms written by contemporary and classic international authors, as well as non-fiction articles and informational texts. Speaking and listening skills will also be enhanced through class discussions and participation.

- This course fulfills the MMC 11th Grade English Requirement

★ Program Opportunities:

- o Arts and Communication
- o Agri-Science and Natural Resources Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name                | Grade Level | Credit |
|--|----------------------------|-------------|--------|
| HS0130AA/HS0130AB  | Literature of Theater Arts | 11-12       | 1      |

- ☑ Prerequisite: None

This course counts for the English 11 requirement. Seniors can take this course as an elective. This new course acquaints the student with the literature and history of drama paying specific attention to reading, writing, and performing theater. Students will read various plays from around the world, write an individual scene, collaborate on a full-length play, and evaluate several performances. Areas of focus include improvisation, speaking and listening skills, basic history of drama, acting techniques, staging, makeup, costuming, set design, lighting, directing, and playwriting. Informative, persuasive, and evaluative compositions will require students to showcase different writing skills, and one performance of a major work is expected (either scene or whole play). Since the final production of a play will focus on each student's strength, student choice is encouraged. As students use the new performing arts center, participation is expected inside and outside of class hours. Involvement is mandatory for these final exams/evaluations.


- This course fulfills the MMC 11th Grade English Requirement

★ Program Opportunities:

- o Arts and Communication

|  Course No. S1/S2 | Course Name                     | Grade Level | Credit |
|--|---------------------------------|-------------|--------|
| HS0109AA/HS0109AB  | Language & Literature 11 Honors | 11          | 1      |

✓ Prerequisite: Successful completion of Language & Literature 10 Honors

 Take Note: If you did not receive credit in the above prerequisite course you will need to select Language & Literature 10 for each semester you did not receive credit.

Language & Literature 11 Honors is a survey class designed for honors students. It introduces students to some of the world's greatest authors and their works. It will include class discussions, presentations, SAT prep, and compositions related to the material being studied. Literature may include *Lord of the Flies*, *Tuesdays with Morrie*, *Macbeth*, *A Separate Peace*, and *Night*, demonstrating a variety of writing forms written by contemporary and classic international authors, as well as non-fiction articles and informational texts.

➔ Important Course Considerations:

- ✓ Outside reading will be required.
- ✓ The majority of grading comes from essays and tests.

▪ This course fulfills the MMC 11th Grade English Requirement

★ Program Opportunities:

- o Arts and Communication
- o Agri-Science and Natural Resources
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name                     | Grade Level | Credit |
|--|---------------------------------|-------------|--------|
| HS0100AA/HS0100AB  | AP English Language/Composition | 11          | 1      |

✓ Prerequisite: Language & Lit 9/Language & Lit 9 Honors, and Language & Lit 10/Language & Lit 10 Honors.

✓ Corequisite: Course summer work assignments must be completed prior to the start of school.

This course emphasizes the reading of difficult nonfiction essays and frequent writing assignments. The course will give students the strategies to use in college writing. Students will analyze the rhetorical strategies in works, argue and reflect on works, and synthesize outside sources in research essays and prose passages. Exams from previous years will be extensively used as well as previous AP essay questions.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

▪ This course fulfills the MMC 11th Grade English Requirement

★ Program Opportunities:

- o Arts and Communication
- o Agri-Science and Natural Resources
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name              | Grade Level | Credit |
|--|--------------------------|-------------|--------|
| HS0114AA/HS0114AB  | Language & Literature 12 | 12          | 1      |

☑ Prerequisite: Successful Completion of Language & Literature 11 or Language & Literature 11 Honors.

The goal for Language & Literature 12 is to refine, apply, and extend the foundation of knowledge, critical skills (writing, speaking, and listening), and strategies developed in Language & Literature 9/9 Honors, Language & Literature 10/10 Honors, and Language & Literature 11/Language & Literature 11 Honors, AP English Language/Composition. Language & Literature 12 students will use the lens of leadership and inter-relationships by analyzing classic and contemporary texts, as well as identifying their own leadership skills and responsible actions as American citizens. These texts may include: *1984*; *Language and Literature Anthology*; *Winesburg, Ohio*; *Siddhartha*; various non-fiction articles; and informational texts.

▪ This course fulfills the MMC 12th Grade English Requirement

☆ Program Opportunities:

- |   |   |
|---|---|
| o Arts and Communication                          | o Engineering, Manufacturing, and Industrial Technology |
| o Agri-Science and Natural Resources              | o Health Sciences                                       |
| o Business, Management, Marketing, and Technology | o Human Services  |

|  Course No. S1/S2 | Course Name                     | Grade Level | Credit |
|--|---------------------------------|-------------|--------|
| HS0105AA/HS0105AB  | Language & Literature 12 Honors | 12          | 1      |

☑ Prerequisite: Successful completion of Language & Literature 11 Honors.

The goal for Language & Literature 12 Honors is to refine, apply, and extend the foundation of knowledge, critical skills (writing, speaking, and listening), communication skills, and strategies developed in Language & Literature 9/Language & Literature 9 Honors, Language & Literature 10/Language & Literature 10 Honors, and Language & Literature 11/Language & Literature 11 Honors/AP English Language Composition 11. Language & Literature 12 Honors students will use the lens of leadership and inter-relationships by analyzing classic and contemporary texts, as well as identifying their own leadership skills and responsible actions as American citizens. Texts may include *1984*; *Language and Literature Anthology*; *A Separate Peace*; *Winesburg, Ohio*; *Siddhartha*; various non-fiction articles; choice novels; and informational texts.

➔ Important Course Considerations:

- ✓ This course requires additional reading and writing outside of class time.
- ✓ The majority of course points comes from essays and tests.

▪ This course fulfills the MMC 12th Grade English Requirement

☆ Program Opportunities:

- |   |   |
|---|---|
| o Arts and Communication                          | o Engineering, Manufacturing, and Industrial Technology |
| o Agri-Science and Natural Resources              | o Health Sciences                                       |
| o Business, Management, Marketing, and Technology | o Human Services  |

|  Course No. S1/S2 | Course Name                       | Grade Level | Credit |
|--|-----------------------------------|-------------|--------|
| HS0101AA/HS0101AB  | AP English Literature/Composition | 12          | 1      |

☑ Prerequisite: Language & Literature 9/Language & Literature 9 Honors, Language & Literature 10/Language & Literature 10 Honors, and Language & Literature 11/Language & Literature 11 Honors/AP English Language Composition 11.

☑ Corequisite: Course summer work assignments must be completed prior to the start of school.

This course emphasizes critical analysis and techniques of analyzing literature orally and in written format. Short stories, novels, plays, poetry and essays are used in this learning process which will be very demanding of the student's skills.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

▪ This course fulfills the MMC 12th Grade English Requirement

★ Program Opportunities:

- |   |   |
|---|---|
| o Arts and Communication                          | o Engineering, Manufacturing, and Industrial Technology |
| o Agri-Science and Natural Resources              | o Health Sciences                                       |
| o Business, Management, Marketing, and Technology | o Human Services  |

|  Course No. S1/S2 | Course Name                   | Grade Level | Credit |
|---|-------------------------------|-------------|--------|
| HS0108AA/HS0108AB   | Theory of Thought & Knowledge | 11-12       | 1      |

☑ Prerequisite: Honors Curriculum.

This class will involve Socratic circles, writing assignments, and some controversial subject matter. The class requires good attendance and above average reading and writing skills. Theory of Thought and Knowledge explores the bases of knowledge through the areas of natural science, human science, history, the arts, ethics and mathematics. This philosophy-based course involves extensive classroom interaction with such topics as belief, certainty, culture, evidence, explanation, truth and values.

★ Program Opportunities:

- |   |   |
|---|---|
| o Arts and Communication                          | o Engineering, Manufacturing, and Industrial Technology |
| o Agri-Science and Natural Resources              | o Health Sciences                                       |
| o Business, Management, Marketing, and Technology | o Human Services  |



|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0106AA/HS0106AB  | Mythology   | 10-12       | 1      |

- ☒ Prerequisite: None

Myths are humanity's earliest imaginative attempts to explain the universe, its creation, and its working. The study of mythology of a particular culture reveals the way of life and thought of that culture. Since Western civilization traces its roots back to Greek culture, it would seem knowledge of classical mythology is essential. Along with Greek mythology, we will study Norse, Arthurian, Asian, and Egyptian mythology. Assignments include content-driven projects, creative writing assignments, essays, and extensive reading.

- ★ Program Opportunities:
- o Arts and Communication

|  Course No. S1/S2 | Course Name                     | Grade Level | Credit |
|--|---------------------------------|-------------|--------|
| HS0102AA/HS0102AB  | Yearbook-Communication Workshop | 10-12       | 1      |

- ☒ Prerequisite: Successful completion of the following with a grade of B or better - Lang & Lit 9/Lang & Lit 9 Honors/Lang & Lit 10/Lang & Lit 10 Honors/AP Eng Lang Comp. Language & Literature teacher approval (approval based on past attendance record).
- ☒ Corequisite: Teacher recommendations (dealing with writing skills, work ethic, and trustworthiness). Record with Main Office (discipline and such).

This course is a publication course for the student yearbook. Students in this class are expected to take initiative and have the motivation to create the yearbook for the high school. Students in this class are held to higher standards because of their role in the school and the community. It is important that all areas of the school and activities dealing with the school are covered in a variety of ways. Students in this class are role models and should be prepared for many after school hours in order to prepare a successful yearbook that students, staff, administrators, and community members want to read.

➔ Important Course Considerations:

- ✓ Students will be expected to work on yearbook pages as well as raising money for ads.
- ✓ Students will be expected to spend time outside of school working on yearbook.

- ★ Program Opportunities:
- o Arts and Communication

|  Course No. S1/S2 | Course Name               | Grade Level | Credit |
|--|---------------------------|-------------|--------|
| HS0107AA/HS0107AB  | Science Fiction & Fantasy | 10-12       | 1      |

- ☒ Prerequisite: None

This course is designed to explore the limits of man's imagination. The class will study the standards of science fiction and fantasy and how they differ. Assorted reading and viewing selections are chosen by students on a year-to-year basis. Critical evaluation is encouraged through discussion, quizzes and tests.

➔ Important Course Considerations:

- ✓ A lot of independent reading is required.

- ★ Program Opportunities:
- o Arts and Communications

## MATHEMATICS DEPARTMENT

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0111GA/HS0111GB  | Algebra One | 9           | 1      |


☒ Prerequisite: None

The class is application motivated and begins with a unit on algebraic symbols, order of operations, probability and relative frequency. Students will study first-degree equations, inequalities, linear functions and inequalities. Other topics include: Exponents, Pythagorean theorem, polynomials, including operations with polynomials, factoring and perfect squares; systems of linear equations including inequalities; quadratic equations and the quadratic formula are used.

▪ This course fulfills the MMC algebra one requirement.

★ Program Opportunities:

- |   |                                      |
|---|--------------------------------------|
| o Arts and Communication                                | o Health Sciences                    |
| o Business, Management, Marketing, and Technology       | o Human Services                     |
| o Engineering, Manufacturing, and Industrial Technology | o Agri-Science and Natural Resources |

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0108GA/HS0108GB  | Geometry    | 9-10        | 1      |

☒ Prerequisite: Algebra One.

Geometry encompasses one, two and three-dimensional figures. Students will begin with points, lines, angles and conditional statements. Transformational geometry is used to facilitate the understanding of polygons and quadrilaterals. Symmetry lines are used to develop properties of figures. Reflections are used to help students understand congruent figures including triangles. Additional topics include, triangle congruence, Pythagorean theorem, area, volume, coordinate geometry, similarity, logic, indirect reasoning, right triangle geometry and circles.

▪ This course fulfills the MMC geometry requirement.

★ Program Opportunities:

- |   |                                      |
|---|--------------------------------------|
| o Arts and Communication                                | o Health Sciences                    |
| o Business, Management, Marketing, and Technology       | o Human Services                     |
| o Engineering, Manufacturing, and Industrial Technology | o Agri-Science and Natural Resources |

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS0105GA/HS0105GB  | Algebra Two A | 9-12        | 1      |

☒ Prerequisite: Credit received in Geometry and Algebra One.

This is a yearlong class that is designed to meet the MCC requirements for the first semester of Algebra Two. The class will include the study of the following: data and linear representations, exponents and functions, systems of linear equations and Inequalities, matrices, factoring, quadratic functions, polynomials, including operations with polynomials, and imaginary numbers. Students will use a graphic calculator to model data and analyze functions throughout the entire course.

➔ Important Course Considerations:

✓ This class is designed for students who need to take Algebra Two over a 2-year period.

- This course fulfills the MMC Requirement ONLY for Semester 1 Algebra Two.

✦ Program Opportunities:

- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services
- o Agri-Science and Natural Resources

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS0106GA/HS0106GB  | Algebra Two B | 11-12       | 1      |

- ☑ Prerequisite: Credit received in Algebra Two A.

This is a yearlong class that is designed to meet the Michigan Merit Curriculum for the second semester of Algebra Two. The class will include the study of the following: systems of linear equations and inequalities, factoring, quadratic functions. Exponential and Logarithmic Functions, Polynomial Functions, Rational and Radical Functions, Probability and Statistics, and Trigonometry.


➔ Important Course Considerations:

✓ Students will use a *graphing* calculator to model data and analyze functions throughout the entire course.

- This course fulfills the MMC second semester Algebra Two requirement.

✦ Program Opportunities:

- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services
- o Agri-Science and Natural Resources

|  Course No. S1/S2 | Course Name         | Grade Level | Credit |
|--|---------------------|-------------|--------|
| HS0116GA/HS0116GB  | Applied Algebra Two | 9-12        | 1      |

- ☑ Prerequisite: Algebra One and Geometry.

This class will include the study of the following: data and linear representations, exponents and functions, systems of linear equations and inequalities, matrices, factoring, quadratic functions and imaginary values, exponential and logarithmic functions, polynomial functions, rational and radical functions, probability and statistics, and trigonometry. Students will use a graphing calculator and web-based applications to model data and analyze functions throughout the entire course.

The course will utilize a problem-based core curriculum designed to address content and mathematical practices to foster learning. Students learn by doing math, solving problems in mathematical and real-world contexts, and constructing arguments using precise language. Through structured explorations and tasks, students will make connections between mathematical concepts and procedures.

- This course is designed to meet the MMC requirement for Algebra Two.
- ★ Program Opportunities:
  - o Arts and Communication
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences
  - o Human Services
  - o Agri-Science and Natural Resources

|  Course No. S1/S2 | Course Name        | Grade Level | Credit |
|--|--------------------|-------------|--------|
| HS0107GA/HS0107GB  | Algebra Two Honors | 9-12        | 1      |

- ☑ Prerequisite: Completion of Honors Geometry with an A or B. Teacher recommendation.

This class is designed for students who are planning on taking AP Calculus their junior or senior year.

This class is designed to meet the Michigan Merit Curriculum for Algebra Two. Algebra Two Honors will explore topics such as linear equations and inequalities, matrices, systems of equations and inequalities, basic trigonometry, quadratic functions, polynomial functions rational functions, exponential properties and trigonometry. As an honors level course this section utilizes a more advanced text, ACT/SAT prep materials and extensive use of graphing calculators to prepare students for Pre-Calculus and the ACT/SAT exams.

- This course fulfills the MMC Algebra Two requirement.
- ★ Program Opportunities:
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences

|  Course No. S1/S2 | Course Name         | Grade Level | Credit |
|--|---------------------|-------------|--------|
| HS0110GA/HS0110GB  | Pre-Calculus Honors | 10-12       | 1      |

- ☑ Prerequisite: Algebra Two or Algebra Two Honors; Students should have received grades of B or higher in both Geometry and Algebra Two Honors.

This course is designed for students planning to take Advanced Placement Calculus. With the aid of appropriate graphing calculators and technology, students will: Develop and analyze mathematical concepts of functions including: linear and nonlinear equations, inequalities, quadratic, exponential and logarithmic functions. Determine and make connections among the right triangle ratios, trigonometric functions and circular functions. Derive and use formulas for calculating series and sequences and permutations and combinations. Solve and analyze polynomial, rational, complex and radical equations. Pre-Calculus is a challenging and fast paced course that requires knowledge from both Geometry and Algebra Honors.

- This course fulfills the MMC 4th year math requirement.
- ★ Program Opportunities:
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0100GA/HS0100GB  | Statistics  | 11-12       | 1      |

☑ Prerequisite: Students must have successfully completed Algebra Two and Geometry.

Students will be using graphing calculators to model data and functions. Students will learn about measures of central tendencies and probability. Data will be modeled using linear models, quadratic models, exponential models and logarithmic models. Statistics is a full year course spanning semester one and two.

▪ This course fulfills the MMC 4th year Math Requirement

⚙ Program Opportunities:

- |   |   |
|---|---|
| o Agri-Science and Natural Resources              | o Engineering, Manufacturing, and Industrial Technology |
| o Arts and Communication                          | o Health Sciences                                       |
| o Business, Management, Marketing, and Technology | o Human Services  |

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS0117GA/HS0117GB  | AP Statistics | 11-12       | 1      |


☑ Prerequisite: Algebra 2

AP Statistics is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

▪ This course fulfills the MMC 4th year math requirement

⚙ Program Opportunities:

- |   |   |
|---|---|
| o Agri-Science and Natural Resources              | o Engineering, Manufacturing, and Industrial Technology |
| o Arts and Communication                          | o Health Sciences                                       |
| o Business, Management, Marketing, and Technology | o Human Services  |

|  Course No. S1/S2 | Course Name    | Grade Level | Credit |
|--|----------------|-------------|--------|
| HS0103GA/HS0103GB  | AP Calculus AB | 11-12       | 1      |

☑ Prerequisite: Students should have received grades of B or higher in Pre-Calculus.


AP Calculus is a challenging and fast paced course. With the aid of appropriate graphing calculators and technology, students will learn about: Properties of functions, limits, derivatives and applications, integrals and applications.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

▪ This course fulfills the MMC 4th year math requirement.

⚙ Program Opportunities:

- |   |   |
|---|---|
| o Business, Management, Marketing, and Technology | o Engineering, Manufacturing, and Industrial Technology |
|   | o Health Sciences                                       |

|  Course No. S1/S2 | Course Name    | Grade Level | Credit |
|--|----------------|-------------|--------|
| HS0102GA/HS0102GB  | AP Calculus BC | 11-12       | 1      |

☑ Prerequisite: Students should have received grades of B or higher in AP Calculus AB.

AP Calculus BC is a challenging and fast paced course. With the aid of appropriate graphing calculators and technology, students will learn about: Properties of functions, limits, derivatives and applications, integrals and applications, and a study of sequences and series. Students will be prepared to pass the Advanced Placement Calculus BC Test offered by the College Board. It is expected that all students will take the AP exam in May. Failure to declare AP status or pay the AP exam fee will result in the AP course designation being removed from the transcript and replaced with Honors. Additionally, the grades(s) earned will not be weighted and GPA's will be recalculated.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

▪ This course fulfills the MMC 4th year math requirement

⊛ Program Opportunities:

o Business, Management, Marketing, and Technology

o Engineering, Manufacturing, and Industrial Technology  
o Health Sciences

|  Course No. S1/S2 | Course Name        | Grade Level | Credit |
|---|--------------------|-------------|--------|
| HS3998GA/HS3998GB   | Financial Analysis | 12          | 1      |

☑ Prerequisite: Teacher and counselor approval required.

This is a yearlong class that is designed to meet the MMC for the second semester of Algebra Two. This course will help students understand the financial world around them so that they may make wise economic decisions related to their financial affairs. Upon completion of this course, students will have the tools to become rational, competent decision makers, informed consumers, and responsible citizens.

Topics of study include: budgeting, banking, income, building credit, completing taxes, and consumerism. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

▪ This yearlong course will count for Algebra Two B credit if completed in the fourth year.

⊛ Program Opportunities:

o Agri-Science and Natural Resources

o Arts and Communication

o Business, Management, Marketing, and Technology

o Engineering, Manufacturing, and Industrial Technology

o Health Sciences

o Human Services

## SCIENCE DEPARTMENT

### **Pathway 1 - Agriculture**

9th - Honors Life Science or Life Science (Biology)  
 10th – Zoology/Animal Science (Agriculture Credit)  
 11th - Botany Biology (3rd Year of Science)

### **Pathway 2 - Biomedical**

9th - Honors Life Science or Life Science (Biology)  
 10th - Principles of Biomedical Sciences (3rd Year of Science)  
 11th - Human Body Systems (Anatomy)  
 12th - Medical Interventions

### **Pathway 3 - Engineering**

9th - Honors Life Science or Life Science (Biology) and STEM Exploration  
 10th - Principles of Engineering (3rd year other science)  
 11th - Introduction to Engineering Design  
 12th - Engineering Capstone

### **Pathway 4 - Honors**

9th - Honors Life Science (Biology)  
 10th - Honors Chemistry (Chemistry)  
 11th - Advanced Bio, AP's, Honors Physics, etc. (3rd Year of Science)

### **Pathway 5 - Traditional**

9th - Life Science (Biology)  
 10th - Physical Science, Chemistry, Physics, or Conceptual Physics  
 11th - Chemistry or other (3rd Year of Science)

|  Course No. S1/S2 | Course Name  | Grade Level | Credit |
|--|--------------|-------------|--------|
| HS0300CA/HS0300CB  | Life Science | 9           | 1      |

☒ Prerequisite: None

This one-year study of biology will focus on the prerequisite, essential, and core content statements as developed by the Michigan Department Education (MDE) and Next Generation Science Standards (NGSS). Areas of study will include: Structure and Function of Organisms, Matter and Energy in Organisms & Ecosystems, Interdependent Relationships in Ecosystems, Inheritance and Variation in Traits/Genetics, and Natural Selection/Evolution. Grading in this class will be more heavily influenced by daily work (laboratory exercises, class-work, and homework).

→ Important Course Considerations:

✓ Students should expect to have daily assignments, projects, and/or homework.

▪ This course fulfills the biology requirement for the MMC high school diploma.

★ Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology

- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name         | Grade Level | Credit |
|--|---------------------|-------------|--------|
| HS0301CA/HS0301CB  | Life Science Honors | 9           | 1      |

- ☒ Prerequisite: 8th Gr. Teacher Recommendation. Students must possess above average reading and writing skills as well as willingness for extra out of class work.

This one-year study of biology will focus on the prerequisite, essential, core, and recommended content statements as developed by the MDE and NGSS. Areas of study will include: Structure and Function of Organisms, Matter and Energy in Organisms & Ecosystems, Interdependent Relationships in Ecosystems, Inheritance and Variation in Traits/Genetics, and Natural Selection/Evolution. Grading in this class will be more heavily influenced by daily work (laboratory exercises, class-work, and homework).

- This course fulfills the biology requirement for the MMC high school diploma.

✦ Program Opportunities:

- o Agri-Science and Natural Resources
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0315CA/ HS0315CB   | Physical Science | 10-12       | 1      |

- ☒ Prerequisite: Successful completion of previous year's science course.

This one-year study of "Physical Science" covering topics in both physics and chemistry with a focus on the prerequisite, essential, and core content statements as developed by the MDE and NGSS. Areas of study will include: structure and function of the atom, chemical bonding, matter and energy in the universe, forces and motion (Newtonian physics), waves, and light. Grading in this class will be more heavily influenced by daily work (assessments, laboratory exercises, class-work, and homework).

➔ Important Course Considerations:

- ✓ Students should expect to have daily assignments, projects, and/or homework.

- This course fulfills the chemistry/physics requirement for the MMC high school diploma.

✦ Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0110CA/HS0110CB  | Chemistry   | 10-12       | 1      |

- ☒ Prerequisite: Life Science or Life Science Honors.

This course explores both theoretical and experimental chemistry and thus includes labs. Topics include conversions, units, periodicity, types of reactions, gas laws, stoichiometry, thermochemistry, bonding, polarity, phase changes, solutions, oxidation-reduction, and acid-base theories.

- This course fulfills the MMC chemistry requirement (physics can be substituted for the chemistry requirement).



- ✦ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0112CA/HS0112CB  | Chemistry Honors | 10-12       | 1      |

☑ Prerequisite: Successful completion of Life Science and Chemistry with a grade of B or better.

Planning a career in the sciences, engineering, or health-related fields. The course is very detailed and delves into both theoretical and experimental chemistry. About twenty-one days per year are spent on lab work. Topics include: conversions, units, periodicity, gas laws, stoichiometry, thermochemistry, bonding, polarity, thermodynamics, phase changes, reaction rates, solutions, acid-base theories, and kinetics.

➔ Important Course Considerations:

- ✓ B or better in HS0111GA/HS0111GB Algebra One.
- ✓ Good Algebra skills are required for this course.
- ✓ Problem solving is a large portion of the class.
- ✓ Students must possess above average reading and writing skills as well as willingness for extra out of class work.
- This course fulfills the MMC chemistry requirement (physics can be substituted for the chemistry requirement).
- ✦ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences

|  Course No. S1/S2 | Course Name    | Grade Level | Credit |
|--|----------------|-------------|--------|
| HS0103CA/HS0103CB  | Physics Honors | 11-12       | 1      |

☑ Prerequisite: Successful completion with a grade of B or better in the following classes: Chemistry, Algebra One, Geometry and Algebra Two. Can be taken concurrently with Applied Algebra Two. Students must possess above average reading and writing skills as well as a willingness for extra out of class work.

This course requires higher order thinking skills, problem solving and regular homework assignments. Substantial amounts of time must be dedicated to studying for tests. Honors Physics provides a systematic introduction to the main principles of physics and emphasizes the development of problem-solving ability. Students will also work on designing scientific investigations as well as analyzing and communicating the results. The bulk of the class content is centered around mechanics. There are also chapters on thermodynamics and electricity using alternative energy as the theme, as well as a unit on origins of the universe and particle physics.

- This course can count as your 4th year of “related Math” if taken during your 12th grade year and after previously passing Algebra Two
- This course fulfills the MMC Requirement for Physics (Chemistry can be substituted for the 3rd Science Requirement of Physics or Chemistry)

- ✦ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0107CA/HS0107CB  | Advanced Biology | 11-12       | 1      |

- ☑ Prerequisite: Life Science/Life Science Honors and Chemistry/Chemistry Honors: (Chemistry may be taken concurrently) Students must possess above average reading and writing skills as well as a willingness for extra out of class work.

The first semester of this class requires students to know the basics of chemistry, a detailed study of cell chemistry, cell structure and functions, and in depth study in DNA and embryonic development. The anatomy of vertebrates is studied via dissections during the second semester. This is a great class for those who want to enter nursing, physical therapy, or any aspect of the medical field. Grading includes projects, tests and papers.

- This course can fulfill the MMC additional Science credit

- ✦ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences

|  Course No. S1/S2 | Course Name  | Grade Level | Credit |
|--|--------------|-------------|--------|
| HS0106CA/HS0106CB  | AP Chemistry | 11-12       | 1      |

***+PLUS: MUST TAKE CONCURRENTLY***

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0105CA/HS0105CB  | AP Chemistry Lab | 11-12       | CR     |

- ☑ Prerequisite: Successful completion of Applied Algebra Two, and successful completion with a grade of B or better in Honors Chemistry.

 Take Note: Students taking AP Chemistry must also schedule AP Chemistry Lab for one hour.

This course covers most topics found in a first-year college chemistry course. The class starts with a rapid review of Honors Chemistry topics, including units, conversions, atomic theory, compound names and formulas, and stoichiometry. This is followed by aqueous reactions, thermo-chemistry, electronic structure of atoms, periodicity, bonding, molecular geometry, gas laws, inter-molecular forces, properties of solutions, kinetics, equilibrium, acid-base, equilibria thermodynamics, and electrochemistry. We will review selected topics prior to the AP Exam.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

→ Important Course Considerations:

- ✓ High math skills are needed for this class.
- ✓ At least 5 hours per week of “out of class” time should be budgeted for working on AP chemistry (assignments, reviewing and studying, writing lab reports, etc.)
- ✓ This course is a Two Period Block.

- This course can fulfill the MMC additional Science credit

✦ Program Opportunities:

- o Agri-Science and Natural Resources
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0104CA/HS0104CB  | AP Biology  | 11-12       | 1      |

***+PLUS: MUST TAKE CONCURRENTLY***

|  Course No. S1/S2 | Course Name    | Grade Level | Credit |
|--|----------------|-------------|--------|
| HS0102CA/HS0102CB  | AP Biology Lab | 11-12       | CR     |

- ☑ Prerequisite: One-year of biology and one-year of chemistry (chemistry can be taken concurrently).

 Take Note: Students taking AP BIOLOGY MUST also schedule AP Biology Lab for one hour.

This is a rigorous course. All AP students are expected to take the College Board AP Exam given in May. Failure to pay the College Board AP exam fee will result in replacement of the “AP” course name designation for the level of “Honors” designation. Additionally, the grades(s) earned will not be weighted and GPA’s will be recalculated.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

→ Important Course Considerations:

- ✓ Strong reading comprehension skills are very important.

- This course can fulfill the MMC additional Science credit

✦ Program Opportunities:

- o Agri-Science and Natural Resources
- o Business, Management, Marketing, and Technology
- o Health Sciences
- o Human Services
- o Engineering, Manufacturing, and Industrial Technology

|  Course No. S1/S2 | Course Name                      | Grade Level | Credit |
|--|----------------------------------|-------------|--------|
| HS0113CA/HS0113CB  | Principles of Biomedical Science | 9-12        | 1      |

☑ Prerequisite: Prerequisite: Pass the previous year's science course with an 80% or higher and/or instructor approval. Internet and computer access outside of school.

📅 Full year science elective credit.

✍ Take Note: Since this class is laboratory based, excellent attendance is required. Students that have poor attendance will find it difficult to be successful in this class.

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

★ Program Opportunities:

- o Agri-Science and Natural Resources
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences

|  Course No. S1/S2 | Course Name                | Grade Level | Credit |
|--|----------------------------|-------------|--------|
| HS0124CA/HS0124CB  | Human Body Systems/Anatomy | 10-12       | 1      |

☑ Prerequisite: Pass Principles of Biomedical Science course with a 70% or higher and/or instructor approval. Internet and computer access outside of school.

📅 Full year science elective credit.

✍ Take Note: Since this class is laboratory based, excellent attendance is required. Students that have poor attendance will find it difficult to be successful in this class.

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis in the body. Exploring science in action, students build organs and tissues on a skeletal Maniken®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.

★ Program Opportunities:


- o Agri-Science and Natural Resources
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences

|  COURSE No. S1/S2 | COURSE NAME                         | GRADE LEVEL | CREDIT |
|--|-------------------------------------|-------------|--------|
| HS0311CA/HS0311CB  | Medical Interventions (PLTW-Year 3) | 11-12       | 1      |

☑ Prerequisite: Pass Human Body Systems/Anatomy course with a 70% or higher and/or instructor approval. Internet and computer access outside of school.

☑ Corequisite: In order to be successful students should possess a strong interest in science along with a high skill level. Successful completion of PBS and HBS is recommended but not required. This class is aimed at a pre-health career junior or senior student.

📅 Full year science elective credit.

 **Take Note:** Since this class is laboratory based, excellent attendance is required. Students that have poor attendance will find it difficult to be successful in this class.

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. The class is the third offering in the biomedical pathway.

★ **Program Opportunities:**

- o Agri-Science and Natural Resources
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences

## INDIVIDUALS & SOCIETY DEPARTMENT

|  <b>COURSE NO. S1/S2</b> | <b>COURSE NAME</b>           | <b>GRADE LEVEL</b> | <b>CREDIT</b> |
|---|------------------------------|--------------------|---------------|
| <b>HS0101EA/HS0101EB</b>  | <b>United States History</b> | <b>9</b>           | <b>1</b>      |

☒ **Prerequisite:** None

This class will focus on events from the 1880's to the present. The areas of study will include imperialism, WWI, the Roaring 20's, Great Depression, WWII, Cold War, Civil Rights Movement, Vietnam conflict and current events. There will be a focus on geography's effect on historical events. Throughout this course, students can expect to write research papers, analyze primary source documents in addition to regular coursework. This course fulfills the MMC requirements for US History and Geography.

- This course fulfills the MMC 9th Grade Social Studies Requirement

★ **Program Opportunities:**

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  <b>Course No. S1/S2</b> | <b>Course Name</b>                  | <b>Grade Level</b> | <b>Credit</b> |
|---|-------------------------------------|--------------------|---------------|
| <b>HS0102EA/HS0102EB</b>  | <b>United States History Honors</b> | <b>9</b>           | <b>1</b>      |

☒ **Prerequisite:** Students taking this course should have at least a B in their previous social studies class. Students must possess above average reading and writing skills as well as willingness for extra out of class work. 8th grade teacher recommendation is suggested.

This class will focus on events from the 1880's to the present. The areas of study will include imperialism, WWI, the Roaring 20's, Great Depression, WWII, Cold War, Civil Rights Movement, Vietnam conflict and current events. There will be a focus on geography's effect on historical events. Throughout this course, students can expect to write research papers, analyze primary source documents in addition to regular coursework. This course fulfills the MMC requirements for US History and Geography.

Much of this course will be to prepare students to take Advanced Placement U.S. History Students must possess above average reading and writing skills as well as Willingness for extra out of class work. Students must also select 2nd semester US History Honors 1833.

➔ Important Course Considerations: Honors courses differ from regular sections as the following will be expected:

- ✓ Essays will be given on all tests
- ✓ Students must read and write at or above grade level
- ✓ Students will be expected to complete one individual project per marking period

▪ This course fulfills the MMC 9th Grade Social Studies Requirement

✦ Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS0108DA/HS0108DB  | World History | 10          | 1      |

☑ Prerequisite: HS0102EA US History or HS0102EB US History Honors.

This course will follow the MMC content expectations and is a full year course. The course takes a global and comparative approach to studying the world and it's past to develop greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environments. Understanding of course content will be achieved through the use of factual knowledge and appropriate analytical skills. Assessment will be based upon chapter quizzes, unit tests, open-response writing, and comprehensive mid-term and final exams. The following themes will serve as the foundation for course study: World Historical and Geographical "Habits of Mind" and Central Concepts, Systems of Human Organizations, Growth and Development of World Religions, and Regional Interactions.

▪ This course fulfills the MMC 10th Grade Social Studies Requirement

✦ Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name          | Grade Level | Credit |
|--|----------------------|-------------|--------|
| HS0109DA/HS0109DB  | World History Honors | 10          | 1      |

☑ Prerequisite: HS0101EA/HS0101EB or HS0102EA/HS0102EB US History Honors.

For enrollment in World History Honors a student must have completed 833 United States History Honors or 830 United States History. Students must possess above average reading and writing skills as well as willingness for extra out of class work. Student **MUST** also select 2nd semester World History Honors 1800.

This course will follow the MMC content expectations and is a full year course. The course takes a global and comparative approach to studying the world and it's past to develop greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environments. Understanding of course content will be achieved through the use of factual knowledge and appropriate analytical skills. Assessment will be based upon chapter quizzes, unit tests, open-response writing,

and comprehensive mid-term and final exams. The following themes will serve as the foundation for course study: World Historical and Geographical “Habits of Mind” and Central Concepts, Systems of Human Organizations, Growth and Development of World Religions, and Regional Interactions.

➔ Important Course Considerations: Honors courses differ from regular sections as the following will be expected:

- ✓ Essays will be given on all tests.
- ✓ Students will be expected to complete one individual project per marking period.
- ✓ Students must read and write at or above their grade level.

▪ This course fulfills the MMC 10th Grade Social Studies Requirement

★ Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0100FA/HS0100FB  | Economics/Civics | 11          | 1      |

☑ Prerequisite: HS0101EA/HS0101EB US History or HS0102EA/HS0102EB US History Honors; ALL JUNIORS MUST SELECT THIS COURSE AND 2ND SEMESTER ECONOMICS/CIVICS COURSE.

Economics and Civics is a yearlong course and is required for graduation. It is also part of the MMC. The course is divided into two sections, one part focusing on American government and civics, the other focusing on economics.

**Economics** gives the student an understanding of the fundamentals and principles of micro and macroeconomics. Applying these concepts will help students make sense of daily national and global events and enable them to analyze, investigate and develop reasoned thinking about personal economic challenges and consequences. The content will focus on scarcity and opportunity costs, business firms, market structures, the role of government in the economy, basic economic questions, economic systems, international economy, laws of supply and demand, gross domestic product, inflation and personal finance. Students will create diagrams, charts and graphs, design products and services, investigate the stock market, and develop a personal finance strategy for earning, spending, saving and investing. Content resources include the class textbook, simulations and technology-based materials.

In **Civics**, students will explore and analyze the origins, values, purpose, organization and structure of government. Topics will include the U.S. Constitution, The Bill of Rights, the branches of government, Federalism, landmark court cases, civil rights, political parties and the American election process. Understanding the content will illustrate the relevance of government in our daily lives, and prepare students to become active, inquisitive, informed and responsible citizens.

▪ This course fulfills the MMC 11th Grade Social Studies Requirement

★ Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Health Sciences
- o Human Services



|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0104DA/HS0104DB  | AP World History | 10-12       | 1      |

☑ Prerequisite: None

The purpose of AP World History is to develop greater understanding of the evolution of global processes and contacts among different types of human societies and cultures. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. This understanding will be achieved through the use of factual knowledge and appropriate analytical skills. Periodization will form the organizing principle for dealing change and continuity throughout the course. Specific themes will provide further organization for the course.

One of the key objectives in this course is to help you gain high-order thinking skills that will help you to be successful in college. For instance, we will frequently analyze primary sources to evaluate various historical perspectives and make plausible conclusions regarding the information.

Throughout this process you will become skilled at analyzing point view, bias, and context using historical resources. This skill will be tested in the form of a Document Based Question (DBQ) essay on the AP Exam. We will have plenty of opportunities to practice these skills throughout the year.

Another key skill that you will develop is the ability to assess change and continuity over time. This skill will be developed through analyzing documents, maps, and timelines of key historical events and concepts. Assessing change and continuity will be tested on the AP Exam. Once again, we will have more than an ample amount of opportunities to practice these skills throughout the year.

A final skill that you will develop is the ability to compare major features of human societies. This includes comparing characteristics within and among societies and comparing societies' reactions to global events. Graphic organizers, annotated maps, and timelines will assist you in developing this skill. On the AP Exam, your comparison skills will be assessed in the form of written response essays. In addition, you will also analyze the consequences of change.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

➔ Important Course Considerations:


- ✓ Students should be prepared for a large amount of college level reading, analysis, and homework. Strong emphasis will be placed on conceptual based writing and analysis.
- ✓ Students should have completed prior Social Studies and English courses with a minimum grade of a B.
- ✓ AP World History is the equivalent of a college-level survey course in world history. As “college students” you are expected to actively read the textbook and thoroughly analyze a myriad of historical resources.
- ✓ AP courses require that students complete a reading comprehension & writing prompt as part of the summer homework.

▪ This course fulfills the MMC 11th Grade Social Studies Requirement of World History

★ Program Opportunities:

- |   |   |
|---|---|
| o Agri-Science and Natural Resources              | o Engineering, Manufacturing, and Industrial Technology |
| o Arts and Communication                          | o Health Sciences                                       |
| o Business, Management, Marketing, and Technology | o Human Services  |



|  Course No. S1/S2 | Course Name          | Grade Level | Credit |
|--|----------------------|-------------|--------|
| HS0131DA/HS0131DB  | Practical Psychology | 9-12        | 1      |

☒ Prerequisite: None

This course is an introduction to psychology, with a focus on practical application of the topic. Throughout the course, students will learn how to apply psychology to their everyday lives, both in and out of the classroom. Focus will be placed on the following subsections of psychology: History—major theories, jobs; Cognitive—how our thoughts effect our behaviors and success/failure, consciousness, sleep & dreaming, memory; Developmental—parenting and lifespan; and Motivation, Emotion, Stress & Health—what drives our behavior, how emotions impact our actions, ways to identify and manage stress. The class will also introduce students to basic biology and research methods.

★ Program Opportunities:

- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name         | Grade Level | Credit |
|--|---------------------|-------------|--------|
| HS0130DA/HS0130DB  | Advanced Psychology | 11-12       | 1      |

☒ Prerequisite: None, though Practical Psychology is suggested.

Necessary Skills: Students should be able to participate in group projects, class discussions, and exhibit tolerance toward views different than their own.

This course will focus on the more clinical aspects of psychology. A good background in biological science is recommended. This class will study topics in psychology that impact our everyday lives. During the course, we will learn about the parts and functions of the brain, sensation and perception, methods of research, mental health, mental illness, treatment of mental disorders, social psychology, personality, and intelligence.

★ Program Opportunities:

- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0106DA/HS0106DB  | Michigan History | 10-12       | 1      |

☒ Prerequisite: None

 Full year elective course.


This course will examine the fascinating history of the state of Michigan ranging from pre-history to present day. Many topics will be covered including: Michigan at war, wilderness and farming, economics, the automobile industry, railroading, present government, logging and technology. In addition to the text, numerous materials will be used in this survey.

★ Program Opportunities:

- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name               | Grade Level | Credit |
|--|---------------------------|-------------|--------|
| HS0101DA/HS0101DB  | Sociology & Jurisprudence | 11-12       | 1      |

☒ Prerequisite: None

 Full year elective course.

Students should be at or above 11<sup>th</sup> grade reading level as we will study case documents and other reading materials. This class is designed to introduce you to law that is used in everyday life. Students will be given practical information and problem solving opportunities that help to develop knowledge of the American legal system and its laws. We will address the basics of law & the legal system, criminal law, civil law, juvenile justice, torts, and individual rights.

★ Program Opportunities:

- o Business, Management, Marketing, and Technology
- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name                    | Grade Level | Credit |
|--|--------------------------------|-------------|--------|
| HS0107DA/HS0107DB  | Social Interaction & Tolerance | 12          | 1      |

☒ Prerequisite: Teacher approval required.

 Full year elective course.

This class focuses on problems that cause hardships for society and the individual. It covers a wide variety of topics including inequality, crime and violence, substance abuse, deviance, and family problems. It also focuses on understanding and valuing diversity. This course applies sociological theories to explain social problems and examines various approaches used to address these problems.

➔ Important Course Considerations:

- ✓ The subject matter of this course requires maturity and tolerance.
- ✓ Reading is an integral part of this course and much of it is at the college level.
- ✓ A portion of this class will be spent working in the swimming pool with handicapped students from Shiawassee County.

★ Program Opportunities:

- o Human Services
- o Health Sciences

|  Course No. S1/S2 | Course Name              | Grade Level | Credit |
|--|--------------------------|-------------|--------|
| HS0100EA/HS0100EB  | AP United States History | 10-12       | 1      |

☒ Prerequisite: Successful completion of US History. Students taking this course should have received a grade of B or higher in US History, be excellent writers, be on track to graduate and be self-motivated as this course requires several hours of homework each week.

☒ Corequisite: Course summer work assignments must be completed prior to the start of school.

This class is a college level survey course that will cover US History from early colonization to the 1980's. Students will do extensive reading and writing working with primary and secondary historical documents. There will be a heavy emphasis on lecture and note taking. Students will be expected to read, interpret and analyze primary source documents and then incorporate them into a cohesive essay. Preparation for Document Based Questions

(DBQ) is the bulk of this course and it will be challenging! Students will also have a heavy weekly reading load and be expected to keep up with the syllabus.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

➔ Important Course Considerations:

- ✓ Students will be dropped from the course as a result of non-completion of the summer homework or poor quality/lack of skills.
- ✓ Final enrollment in this class will be determined by the instructor after the summer homework is completed. Instructor recommendation required.

★ Program Opportunities:

- o Arts and Communication
- o Business, Marketing and Manufacturing Technology
- o Human Services
- o Health Sciences

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS0103DA/HS0103DB  | AP Psychology | 11-12       | 1      |

☒ Prerequisite: There is no prerequisite for AP Psychology, however taking Advanced Psychology or having a qualifying PSAT/NMSQT score is helpful.

☒ Corequisite: Course summer work assignments must be completed prior to the start of school.

Advanced Placement Psychology is a yearlong course with the aim of providing the student with a learning experience equivalent to that obtained in most college introductory psychology courses. It will introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. The course will be taught with the expectation that students will take the advanced placement examination. Students are required to complete outside reading, question, critically think, practice and improve writing skills, and utilize outside sources to stay abreast of topical issues in the psychology field. Topics to be studied include history of psychology, research methods, developmental psychology, motivation and emotion, biological basis of behavior, sensation and perception, states of consciousness, cognition, learning, social psychology, disorders and treatment, and personality. AP courses require that students complete a reading comprehension and writing prompt as part of the summer homework. Final enrollment in this class will be determined by the instructor after the summer homework is completed.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

➔ Important Course Considerations:

- ✓ Students should have a solid background in biology.
- ✓ Students should have completed prior Social Studies and English courses with a minimum grade of B+.
- ✓ Teacher approval is necessary for admission to the class.
- ✓ Failure to complete summer work will impact student grade in the course.
- ✓ AP Potential Score along with the teacher recommendation.
- ✓ The coursework is rigorous and students should be prepared for a large amount of college level reading, analysis, and homework.
- ✓ Positive classroom participation, discussion, maturity and tolerance are necessary for success.

✦ Program Opportunities:

- o Arts and Communication
- o Business, Marketing and Manufacturing Technology
- o Human Services
- o Health Sciences

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS0101FA/HS0101FB  | AP Government | 11-12       | 1      |

☑ Prerequisite: Successful completion of World History or World History Honors, with an “A” for the semester.

© ALERT: Students may take this course in place of Economics/Civics.

Advanced Placement Government is a college course designed for students who would like to study the processes of government in society. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students should become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes.

➔ Students successfully completing this course will:

- ✓ Know important facts, concepts, and theories pertaining to U.S. government and politics
- ✓ Understand typical patterns of political processes and behavior and their consequences (including the components of political behavior, the principles used to explain or justify various government structures and procedures)
- ✓ Be able to analyze and interpret basic data relevant to U.S. government and politics (including data presented in charts, tables, and other formats)
- ✓ Be able to critically analyze relevant theories and concepts, apply them appropriately, and develop their connections across the curriculum.

Students will participate in the Advanced Placement examination and have an opportunity to earn college credits. This rigorous course provides students with an in-depth knowledge of the Constitution, Federalism, American Political Culture, Branches of Government, Elections, Interest Groups, and Public Policy. Students will utilize a college level text and supplemental resources. Strong writing skills and a reading level at the 11<sup>th</sup> grade or above are recommended.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

★ Program Opportunities:

- o Arts and Communication
- o Business, Marketing and Manufacturing Technology
- o Human Services
- o Health Sciences

| Course No. S1/S2  | Course Name       | Grade Level | Credit |
|-------------------|-------------------|-------------|--------|
| HS0102DA/HS0102DB | AP Microeconomics | 11-12       | 1      |

☑ Prerequisite: None

 Take Note: Students may take this course in place of Economics. Students need to schedule a semester of Civics separately if they have not taken it or AP Government already.

The purpose of an AP course in Microeconomics is to provide a thorough understanding of the principles of economics that apply to the functions of individual decision makers, both consumers and producers, within the economic system. It focuses on the functions of product markets, supply and demand, factors that impact prices, factor markets and of the role of government in promoting greater efficiency and equity in the economy.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

★ Program Opportunities:

- o Business, Marketing and Manufacturing Technology
- o Human Services

| Course No. S1/S2  | Course Name                             | Grade Level | Credit |
|-------------------|---|-------------|--------|
| HS0306QA/HS0306QB | Leadership & Ethics in the 21st Century | 10-12       | 1      |

☑ Prerequisite: None

In this class, students will learn about the characteristics that make an effective leader. Students will begin the year by analyzing their own strengths and weaknesses as a leader and will come to understand leadership through a book study while reading, The 21 Indispensable Qualities of a Leader. Many lessons and activities will revolve around the sports world, but students will come to understand that leadership transcends sports. Case studies, self-reflection, book studies, stories of important leadership figures, service learning, and thoughtful discussion and analysis will be the cornerstone of the class. Ultimately, the goal of the course is to begin the process of establishing a more positive school culture that will undoubtedly affect other areas within the school setting and influence the individual lives of students.


★ Program Opportunities:

- o Human Services
- o Arts and Communication

## PHYSICAL EDUCATION/HEALTH DEPARTMENT

|  Course No. S1/S2 | Course Name                | Grade Level | Credit |
|--|----------------------------|-------------|--------|
| HS0105IA   | General Physical Education | 9-10        | ½      |

☑ Prerequisite: This class is for all students that are not participating in OHS athletics. Athletes should enroll in Strength Training and Conditioning.

 Take Note: Students may enroll in two different physical education classes in the same semester with approval from Administration.

The following are some of the sports offered: Weight training, soccer, flag football, volleyball, floor hockey, basketball, team handball, bowling, golf, tennis, wrestling, softball, pool activities, archery, general games, cardiovascular exercise and various relays.

Students are encouraged to wear suitable clothing for all physical education activities (gym shorts or sweatpants, shirt, shoes and socks).

MME curriculum guidelines are followed in each physical education class that include: Health Related Fitness, Net/Wall, Target, Invasion, Striking/Fielding, and Rhythmic Activities.

➔ Important Course Considerations:

- ✓ This class is required for graduation. Students enrolled in this class will participate in individual and group activities, team games, and contests.
- ✓ Skills learned in this class will be required in order to take Net/Team Sports. The student has many opportunities to express desirable qualities of the 6 pillars of character.

▪ This course fulfills the MMC physical education requirement.

⚙ Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Human Services
- o Health Sciences

|  Course No. S1 | Course Name | Grade Level | Credit |
|---|-------------|-------------|--------|
| HS0100NB  | Health      | 9-12        | ½      |

☑ Prerequisite: None

This course covers personal health issues from nutrition and fitness to alcohol and drug education. Health skills such as decision making, goal setting, communication and conflict resolution are studied and practiced. Topics include: Nutrition and Physical Activity, Alcohol, Tobacco, and Other Drugs, Safety, Social and Emotional Health, Personal Health and Wellness, HIV Prevention and Sexuality Education. Students will learn basic information needed to make the healthiest lifestyle choices.

▪ This course can fulfill the MMC requirement for ½ credit of Health Education

⚙ Program Opportunities:

- o Health Sciences
- o Human Services

|  Course No. S1/S2 | Course Name     | Grade Level | Credit |
|--|-----------------|-------------|--------|
| HS0113IA/HS0113IB  | Aerobic Fitness | 9-12        | ½ to 1 |

☑ Prerequisite: None

Physical Activities include: Pound, step-aerobics, weight training, Therabands, Zumba, fitness 300, swimming, Just Dance, yoga, walking and various aerobic activities. Students are encouraged to participate in daily aerobic activities and to wear suitable clothing for movement. This class counts for physical education credit for graduation.

This class is designed for students that would like to set personal goals and want to work daily on improving levels of physical fitness including cardiovascular health, heart rate, flexibility, blood pressure, strength and endurance.

▪ This course fulfills the MMC Physical Education Requirement

★ Program Opportunities:

- |   |                                      |
|---|--------------------------------------|
| o Arts and Communication                                | o Health Sciences                    |
| o Business, Management, Marketing and Technology        | o Human Services                     |
| o Engineering, Manufacturing, and Industrial Technology | o Natural Resources & Agri – Science |

|  Course No. S1/S2 | Course Name                            | Grade Level | Credit |
|--|--|-------------|--------|
| HS0107IA/HS0107IB  | Strength Training & Conditioning (STC) | 9-12        | ½ to 1 |

☑ Prerequisite: This class is for all students that are or will be OHS athletes including incoming freshmen.

📅 Can be taken for a full year.

✍ Take Note: Students may enroll in two different physical education classes in the same semester with approval from Administration.

Athletes are strongly encouraged to select this course. Activities will include calisthenics, cardiovascular exercise, agility drills, isometrics, swimming, sport-techniques, physical fitness oriented activities, as well as lifetime fitness activities. Students may elect to repeat this class. Safety is emphasized. Students are encouraged to wear suitable clothing for physical education activities (gym shorts, t-shirt, shoes and socks).

MME curriculum guidelines are followed in each physical education class including: Health Related Fitness and Rhythmic Activities.

▪ This course fulfills the MMC physical education requirement.

★ Program Opportunities:

- |   |                                      |
|---|--------------------------------------|
| o Arts and Communication                                | o Health Sciences                    |
| o Business, Management, Marketing and Technology        | o Human Services                     |
| o Engineering, Manufacturing, and Industrial Technology | o Natural Resources & Agri – Science |

|  Course No. S1/S2 | Course Name     | Grade Level | Credit |
|--|-----------------|-------------|--------|
| HS0106IB   | Net Team Sports | 9-12        | ½ to 1 |

✓ Prerequisite: Students must have successfully completed 1 semester of general physical education.

📅 Can be taken for a full year.

✎ Take Note: Students may enroll in two different physical education classes in the same semester with approval from Administration.

This is an elective course designed for the student who wants additional work in tennis, badminton, volleyball, table tennis, basketball, flag football, soccer, speedball, floor hockey, swimming, team handball, softball, frisbee games, and sport activities. Safety is emphasized. Students are encouraged to wear suitable clothing for physical education activities (gym shorts, t-shirt, shoes and socks).

Students may elect to repeat this class as long as they have passed the course previously.

MME curriculum guidelines are followed in each physical education class that include: Health Related Fitness, Net/Wall, Target, Invasion, Striking/Fielding, and Rhythmic Activities.

▪ This course fulfills the MMC physical education requirement.

✦ Program Opportunities:

- |   |                                      |
|---|--------------------------------------|
| o Arts and Communication                                | o Health Sciences                    |
| o Business, Management, Marketing and Technology        | o Human Services                     |
| o Engineering, Manufacturing, and Industrial Technology | o Natural Resources & Agri – Science |

|  Course No. S1/S2 | Course Name       | Grade Level | Credit |
|--|-------------------|-------------|--------|
| HS0100IA/HS0100IB  | Girls Advanced PE | 9-12        | ½ to 1 |

✓ Prerequisite: Current OHS Athlete or Teacher/Coach/AD recommendation (including OMS recommendation).

✎ Take Note:

- ✓ Students may enroll in two different physical education classes in the same semester with approval from Administration.
- ✓ One full credit can be earned if taken both semesters (entire year).
- ✓ This is an advanced class: students are expected to work daily at an advanced level, above and beyond the normal physical education expectations.

The class is an elective course designed for students who want to improve on strength, conditioning and their athletic skills. Emphasis will include: circuit training, free weights, plyometric agility drills, sport techniques and school sport activities of an individual and team nature. Safety is emphasized. Students are encouraged to wear suitable clothing for physical education activities (gym shorts, t-shirt, shoes and socks). MME curriculum guidelines are followed in each physical education class that include: Health Related Fitness, Net/Wall, Target, Invasion, Striking/Fielding, and Rhythmic Activities. Students may select this class more than one time.

▪ This course fulfills the MMC physical education requirement.



- ★ Program Opportunities:
  - o Arts and Communication
  - o Business, Management, Marketing and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences
  - o Human Services
  - o Natural Resources & Agri – Science

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0100IA/HS0100IB  | Boys Advanced PE | 9-12        | ½ to 1 |

- ☑ Prerequisite: Current OHS Athlete or Teacher/Coach/AD recommendation (including OMS recommendation).



Take Note:

- ✓ Students may enroll in two different physical education classes in the same semester with approval from Administration.
- ✓ One full credit can be earned if taken both semesters (entire year).
- ✓ This is an advanced class: students are expected to work daily at an advanced level, above and beyond the normal physical education expectations.

The class is an elective course designed for students who want to improve on strength, conditioning and their athletic skills. Emphasis will include: circuit training, free weights, Bigger, Faster, Stronger training circuit, plyometric agility drills, sport techniques and school sport activities of an individual and team nature. Safety is emphasized. Students are encouraged to wear suitable clothing for physical education activities (gym shorts, t-shirt, shoes and socks). MME curriculum guidelines are followed in each physical education class that include: Health Related Fitness and Rhythmic Activities. Students may select this class more than one time.

- This course fulfills the MMC physical education requirement.

- ★ Program Opportunities:
  - o Arts and Communication
  - o Business, Management, Marketing and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences
  - o Human Services
  - o Natural Resources & Agri – Science

## LANGUAGE ACQUISITION DEPARTMENT

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0100SA/HS0100SB  | Spanish I   | 9-12        | 1      |

- ☑ Prerequisite: Students must have good study skills and a good work ethic to succeed in language acquisition.

Course includes speaking, listening, reading, writing, and culture. This course introduces basic Spanish vocabulary and grammar topics, including present-tense verb conjugations, as well as culture and geography. Students will work on reading, writing, listening, and speaking in Spanish. Students will develop a better understanding of English as they compare it with Spanish.

- This course can fulfill the MMC visual/performing/applied arts requirement.

- ✦ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Human Services
  - o Business, Marketing, Manufacturing and Technology
  - o Engineering, Manufacturing and Technology
  - o Health Sciences

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0101SA/HS0101SB  | Spanish II  | 10-12       | 1      |

- ☑ Prerequisite: Students should have received at least a C- in Spanish I to continue in Spanish. Students must have good study skills and a good work ethic to succeed in language acquisition.

This course is a continuation of Spanish with more Spanish vocabulary and grammar topics, including past-tense verb conjugations, as well as culture and geography. Students will continue to work on reading, writing, listening, and speaking in Spanish. Students will develop a better understanding of English as they compare it with Spanish.

- This course can fulfill the MMC visual/performing/applied arts requirement.

- ✦ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Human Services
  - o Business, Marketing, Manufacturing and Technology
  - o Engineering, Manufacturing and Technology
  - o Health Sciences

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0102SA/HS0102SB  | Spanish III | 11-12       | 1      |

- ☑ Prerequisite: HS0101SA/HS0101SB Spanish II. Students should have received at least a C in Spanish II to continue in Spanish. Students must have good study skills and a good work ethic to succeed in language acquisition.

This course covers more Spanish vocabulary and advanced grammar topics, including other verb tenses, as well as culture and geography. Students will continue work on reading, writing, listening, and speaking in Spanish. Students will develop a better understanding of English as they compare it with Spanish.

- This course can fulfill the MMC visual/performing/applied arts requirement.

- ✦ Program Opportunities:
  - o Arts and Communication
  - o Human Services
  - o Business, Marketing, Manufacturing and Technology
  - o Health Sciences
  - o Engineering, Manufacturing and Technology
  - o Agri-Science and Natural Resources

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0100GA /HS0100GB   | Spanish IV  | 12          | 1      |

- ☑ Prerequisite: This is a capstone course and requires teacher permission. Students must have good study skills and a good work ethic to succeed in language acquisition. *Students must be motivated to work independently.*

This course integrates previously-learned vocabulary and grammar with some new vocabulary and grammar as students work to be more proficient in reading, writing, listening, and speaking.

- This course can fulfill the MMC visual/performing/applied arts requirement.

- ★ Program Opportunities:
  - o Arts and Communication
  - o Human Services
  - o Business, Marketing, Manufacturing and Technology
  - o Health Sciences
  - o Engineering, Manufacturing and Technology
  - o Agri-Science and Natural Resources

|  Course No. S1/S2 | Course Name            | Grade Level | Credit |
|--|------------------------|-------------|--------|
| HS0174SA/HS0174SB  | American Sign Language | 11-12       | 1      |

☑ Prerequisite: Students must have good study skills and a good work ethic to succeed in language acquisition.



Take Note:

- ✓ Assignments and assessments may need to be recorded on video.
- ✓ Students wanting to take a 2nd year of American Sign Language will need to do so as an online course.

American Sign Language (ASL) is a visual language. Students will learn about the Deaf community and culture. Student will learn how shape, placement, and movement of the hands, as well as facial expressions and body movements, all play important parts in conveying information. Like any spoken language, ASL is a language with its own unique rules of grammar and syntax.

- This course can fulfill the MMC visual/performing/applied arts requirement.

- ★ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Business, Marketing, Manufacturing and Technology
  - o Engineering, Manufacturing and Technology
  - o Health Sciences
  - o Human Services

## INSTRUMENTAL MUSIC DEPARTMENT

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS0121JA/HS0121JB  | Freshman Band | 9           | 1      |

☑ Prerequisite: Experience playing a band instrument.



Credit for this course is also shared with the marching band.

This is an entry level course for the high school band program. Intermediate musical and marching skills are taught. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through music study and performance. This balanced approach to music education will enable students to become open-minded, knowledgeable, caring individuals and musicians. Public performances, parades, festivals and practices are part of the requirements of this class and will be graded. These events will help the students learn to take risks as musicians and leaders. Principled practice and reflection on every performance will also be expected. Extra time spent on pep band and solo and ensemble work will be considered when determining grades.

- ★ Program Opportunities:
  - o Arts and Communication
  - o Human Services

|  Course No. S1/S2 | Course Name  | Grade Level | Credit |
|--|--------------|-------------|--------|
| HS0120JA/HS0120JB  | Concert Band | 10-12       | 1      |

☑ Prerequisite: Entrance by audition, includes both written and playing tests.

This course provides instruction for students who desire to develop their musical skills and knowledge to an intermediate or advanced level. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through music study and performance. This balanced approach to music education will enable students to become open-minded, knowledgeable, caring individuals and musicians. Public performances, parades, festivals and practices are part of the requirements of this class and will be graded. These events will help the students learn to take risks as musicians and leaders. Principled practice and reflection on every performance will also be expected. Extra time spent on pep band and solo and ensemble work is considered in determining grade.

- Credit for this course is shared with the marching band.
- This course can fulfill the MMC physical education requirement or the visual/performing/applied arts requirement or the second year of the foreign language requirement.

- ⚙ Program Opportunities:
  - o Arts and Communication
  - o Human Services

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS0126JA/HS0126JB  | Symphony Band | 10-12       | 1      |

☑ Prerequisite: Entrance by audition, which includes both written and playing tests.

📖 Credit for this course is also shared with marching band.

The course is designed to provide qualifying students the most advanced challenge to their musical abilities. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through the study of advanced band literature. This balanced approach to music education will enable students to become open-minded, knowledgeable, caring individuals and musicians. Public performances, parades, festivals and practices are part of the requirements of this class and will be graded. These events will help the students learn to take risks as musicians and leaders. Principled practice and reflection on every performance will also be expected. Extra time spent on pep band and solo and ensemble work will be considered when determining grades.

- This course can fulfill the MMC physical education requirement or the visual/performing/applied arts requirement or the second year of the foreign language requirement.

- ⚙ Program Opportunities:
  - o Arts and Communication
  - o Human Services

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0123JA/HS0123JB  | Jazz Band   | 9-12        | 1      |

☑ Prerequisite: Approval of directors and audition. Must be enrolled in Freshman, Concert or Symphony Bands at the same time. Instruments used in the Jazz Band are: Trumpet, Saxophone (any type), Trombone, Drums, Guitar, Bass Guitar and Keyboard.

The Owosso Jazz Band Program actively promotes the harmonic, melodic and stylistic elements of the jazz idiom as they have been noted or recorded by historically significant composers, artists or arrangers. Swing, bebop, blues, Latin, rock and funk styles will be studied according to their influence on the jazz art form. As inquiring

learners and thinkers, students will explore different cultures, techniques and styles through the study of advanced band literature. This balanced approach to music education will enable students to become open-minded, knowledgeable, caring individuals and musicians. Public performances, parades, festivals and practices are part of the requirements of this class and will be graded. These events will help the students learn to take risks as musicians and leaders. Principled practice and reflection on every performance will also be expected.

- This course can fulfill the MMC visual/performing/applied arts requirement.

- ★ Program Opportunities:
  - o Arts and Communication
  - o Human Services

|  Course No. S1/S2 | Course Name              | Grade Level  | Credit   |
|--|--------------------------|--------------|----------|
| <b>HS0124JA/HS0124JB</b>   | <b>Keyboarding/Piano</b> | <b>10-12</b> | <b>1</b> |

- ☑ Prerequisite: None

The piano/keyboard class is largely an independent study. Piano instruction for beginner through advanced level skills provided. However, the pace and progress is student driven. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through music study and performance. Piano literature is appropriate to ability, scales, exercises, and theory work are studied. These studies will help the student learn to take risks. Space is very limited. Individual practice, a strong sense of discipline and independence will be expected of students in this class.

➔ Important Course Considerations:

- ✓ Students are required to provide their own headphones.
- This course can fulfill the MMC visual/performing/applied arts requirement, or the second year of the foreign language requirement.
- ★ Program Opportunities:
  - o Arts and Communication

|  Course No. S1/S2 | Course Name   | Grade Level  | Credit   |
|--|---------------|--------------|----------|
| <b>HS0122JA/HS0122JB</b>   | <b>Guitar</b> | <b>10-12</b> | <b>1</b> |

- ☑ Prerequisite: Students must provide their own guitars, preferably acoustic

This course is for beginning to intermediate guitar players. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through music study and performance. Think of it as private lessons with opportunities to perform and practice with others. Emphasis will be placed on the following concepts: technique, music theory, chords, key signature, scales, composing, reading music, reading tablature, ensemble performance, solo performance and improvisation. These experiences will help the student learn to take risks as musicians and leaders. Individual practice, a strong sense of discipline and independence will be expected of students in this class. Student must provide their own guitars, preferably acoustic. Space is limited.

- This course can fulfill the MMC visual/performing/applied arts requirement, or the second year of the foreign language Requirement
- ★ Program Opportunities:
  - o Arts and Communication

## VOCAL MUSIC DEPARTMENT

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0128QA/HS0128QB  | Bel Canto   | 9           | 1      |

☑ Prerequisite: Entry Level Vocal Group for 9th grade Treble Clef Singers

This is a performing ensemble for treble voices incorporating the development of vocal technique, musical style and music theory. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through the study of primary choral literature. This balanced approach to music education will enable students to become open-minded, knowledgeable, caring individuals and musicians. A variety of music styles are performed.

➔ Important Course Considerations:

- ✓ Attendance at all dress rehearsals and performances is required.
- ✓ Required performances include: The Holiday Concert, Fall Concert, Choral Festival, Winter Concert, Choral Cabaret and Graduation.
- This course can fulfill the MMC visual/performing/applied arts requirement, or the second year of the foreign language requirement.
- ☆ Program Opportunities:
  - o Arts and Communication
  - o Human Services

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS0133JA/HS0133JB  | Varsity Choir | 9-12        | 1      |

☑ Prerequisite: Vocal group for Bass Clef Singers

This is a performing ensemble for all bass clef voices incorporating the development of vocal technique, musical style and music theory. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through the study of primary choral literature. This balanced approach to music education will enable students to become open-minded, knowledgeable, caring individuals and musicians. Individual practice, a strong sense of discipline and independence will be expected of students in this class.

➔ Important Course Considerations:

- ✓ Attendance at all dress rehearsals and performances is required.
- ✓ Required performances include: The Holiday Concert, Fall Concert, Choral Festival, Winter Concert, Choral Cabaret and Graduation. A variety of music styles are performed.
- ☆ Program Opportunities:
  - o Arts and Communication
  - o Human Services

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0107JA/HS0107JB  | Bella Voce  | 10-12       | 1      |

☑ Prerequisite: Intermediate Treble Clef Singers

This is a primary/intermediate level performance choir of treble voices. There is a greater emphasis on vocal technique, musical styles and music theory. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through the study of intermediate choral literature. This balanced approach to music education will enable students to become open-minded, knowledgeable, caring individuals and musicians. Attendance at all dress rehearsals and performances is REQUIRED.

➔ Important Course Considerations:

- ✓ Attendance at all dress rehearsals and performances is required.
- ✓ Required performances include: Fall Concert, Holiday Concert, Choral Festival, Winter Concert, Choral Cabaret and Graduation.

▪ This course can fulfill the MMC visual/performing/applied arts requirement, or the second year of the foreign language Requirement.

★ Program Opportunities:

- o Arts and Communication

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0110JA/HS0110JB  | A Cappella  | 10-12       | 1      |

☑ Prerequisite: Vocal audition and invitation only.

The most qualified singers are selected through audition. Students study a variety of fine music literature. Emphasis is placed on performance skills, leadership, musicianship, and the understanding of various musical eras. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through the study of advanced choral literature. This balanced approach to music education will enable students to become open-minded, knowledgeable, caring individuals and musicians. Attendance at all dress rehearsals and performances is required or the student's grade will be affected.

➔ Important Course Considerations:

- ✓ Students will encounter financial responsibility for retreat and providing their own transportation to additional performances.
- ✓ Attendance is required at all dress rehearsals and performances.
- ✓ Required performances include: Fall Concert, Holiday Concert, Winter Concert, Choral Cabaret, Choral Festival, and Graduation.

▪ This course can fulfill the MMC visual/performing/applied arts requirement, or the second year of the foreign language requirement.

★ Program Opportunities:

- o Arts and Communication
- o Human Services

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0125JA/HS0125JB  | Madrigals   | 10-12       | 1      |

☑ Prerequisite: Vocal audition and invitation only.

📅 Full year elective course.

Students must register for the full year of Madrigal Singers. A wide variety of popular contemporary music and appropriate classical music literature will be studied. As inquiring learners and thinkers, students will explore different cultures, techniques and styles through the study of advanced choral literature. This balanced approach to music education will enable students to become open-minded, knowledgeable, caring individuals and musicians. The Madrigal Singers perform at all school year concerts and throughout the community as appearances become available.

➔ Important Course Considerations:

- ✓ Students will encounter financial responsibility for retreat, performance apparel and providing their own transportation to additional performances.
- ✓ Attendance is required at all dress rehearsals and performances.

- This course can fulfill the MMC visual/performing/applied arts requirement, or the second year of the foreign language requirement.

⚙ Program Opportunities:

- o Arts and Communication
- o Human Services

## ART DEPARTMENT

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0114JA/HS0114JB  | Art I       | 9-12        | 1      |

☑ Prerequisite: None

∅ No course fees.

This class is an introduction to various two-dimensional and three-dimensional art media (pencil, pen and ink, colored pencils, markers, clay, temperas, watercolors, pastels, etc). Students will gain knowledge and practice in several basic-drawing elements and principles (basic shapes and forms, shading, texture, composition, design, overlapping, perspective, creativity, animals, portraits, figure drawing, color theory, etc.) to increase their ability to create a quality work of art.

Throughout the various projects and exercises students will increase technical as well as creative skills. A basic background of art history is included to develop art appreciation.

➔ Important Course Considerations:

- ✓ All students are required to participate in the annual Spring Art Show.

- This course can fulfill the MMC visual/performing/applied arts requirement.

⚙ Program Opportunities:

- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Human Services



|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0115JA/HS0115JB  | Art II      | 10-12       | 1      |

☑ Prerequisite: Successful completion Art I. Or 8th grade recommendation to test out of Art I.

Ø No course fees.

In this class the students continue to refine and do more advanced work in the various two-dimensional and three-dimensional media; pencil, ink, colored pencil, markers, pastel, charcoal, ceramics, watercolor and poster paint, etc. Through various technical and creative projects, and art history, the students learn to continue to use the elements and principles of design and to take pride in their work and strive for excellence. They will learn to use color theories such as complementary, analogous, and triadic color schemes and do advanced work with design. Step by step procedures for watercolor are introduced. Emphasis is placed on quality, self-expression, self-discipline, and creativity.

➔ Important Course Considerations:

✓ All students are required to participate in the annual Spring Art Show.

▪ This course can fulfill the MMC visual/performing/applied arts requirement

★ Program Opportunities:

o Arts and Communication

o Engineering, Manufacturing, and Industrial

o Business, Management, Marketing, and

Technology

Technology

o Human Services

|  Course No. S1/S2 | Course Name    | Grade Level | Credit |
|---|----------------|-------------|--------|
| HS0116JA/HS0116JB   | Advanced Art I | 11-12       | 1      |

☑ Prerequisite: Successful completion of Art I, and a grade of B or better in Art II or instructor approval.

Ø No course fees.

In this class students will constantly strive for excellence with emphasis placed on originality and more challenging two-dimensional and three-dimensional composition problems utilizing effective principles of design. Projects are presented that reflect work done in various art careers such as illustration, portraiture or figure drawing, ceramics, architecture or interior design, advertising or package design with an extended period given for individual work in acrylic or watercolor painting. The students are to create a portfolio of advanced work which will be professionally presented in the Spring Art show. Graphic media and art history are included to help further improve their development.

▪ This course can fulfill the MMC visual/performing/applied arts requirement.


★ Program Opportunities:

o Arts and Communication

|  Course No. S1/S2 | Course Name     | Grade Level | Credit |
|--|-----------------|-------------|--------|
| HS0112JA/HS0112JB  | Art Challenge I | 10-12       | 1      |

☑ Prerequisite: Successful completion with a grade of B or better in Art I, portfolio review before 2nd semester, instructor approval, and teacher recommendation.

Ø No course fees.

 Take Note: Course is very rigorous and advanced level work is expected.


This course includes advanced level, comprehensive work in a variety of art media. Art history, art analysis, art terminology and the elements and principles of design are stressed. Of major importance is the creative thinking process and the application of technical skills (shading, perspective, proportion, figure drawing, color, design, and composition) in either two-dimensional or three-dimensional design. Student work is assessed periodically in classroom critiques as well as in individual assessments with the instructor. This class has a demanding work schedule and is set in a studio art environment, which creates an atmosphere of enrichment, motivation and challenge, encouraging excellence in the visual arts. Homework is expected. A student may proceed to one of the A.P Art courses after any level of Art Challenge, if he or she is in 11<sup>th</sup> or 12<sup>th</sup> grade. Quality work is expected and students may be removed from this class if the expectations of the instructor are not fulfilled.

- ✦ Program Opportunities:
  - o Arts and Communication

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0113JA/HS0113JB  | Art Challenge II | 10-12       | 1      |

☑ Prerequisite: Successful completion with a grade of B or better in Art I, instructor approval, and teacher recommendation.

Ø No course fees.

 Take Note: Course is very rigorous and advanced level work is expected.

This course includes advanced level, comprehensive work in a variety of art media. Art history, art analysis, art terminology and the elements and principles of design are stressed. Of major importance is the creative thinking process and the application of technical skills (shading, perspective, proportion, figure drawing, color, design, and composition) in either two-dimensional or three-dimensional design. Student work is assessed periodically in classroom critiques as well as in individual assessments with the instructor. This class has a demanding work schedule and is set in a studio art environment, which creates an atmosphere of enrichment, motivation and challenge, encouraging excellence in the visual arts. Homework is expected. A student may proceed to one of the A.P Art courses after any level of Art Challenge, if he or she is in 11<sup>th</sup> or 12<sup>th</sup> grade.

➔ Important Course Considerations:

- ✓ All students are required to participate in the annual Spring Art Show.
- ✓ All students are required to participate in art shows and competitions offered throughout the year including the Shiawassee Arts Council Show and annual Owosso High School Art Show.
- ✓ Quality work is expected and students may be removed from this class if the expectations of the instructor are not fulfilled.

- ✦ Program Opportunities:
  - o Arts and Communication


|  Course No. S1/S2 | Course Name    | Grade Level | Credit |
|--|----------------|-------------|--------|
| HS0111JA /HS0111JB   | AP Art Studio* | 11-12       | 1      |

*+PLUS: Combined 2 Hr. Course + Lab Block*

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0118JA/HS0118JB  | Art Study** | 11-12       | NC     |

#### \*AP ART STUDIO DESCRIPTION

☒ Prerequisite: Art I, Portfolio Review and permission of instructor

 Take Note: Course is very rigorous and advanced level work is expected. Student should be prepared to work at a college level.

This rigorous, studio art course is designed for the highly motivated, talented art student with one or two years of high school art, as well as approval of the AP art instructor. This is a college-level class and only dedicated and self-motivated students should apply for this program. Approximately forty completed and high-quality art pieces are required prior to submission to the College Board in May if the student wishes to receive college credit for the course. (It is assumed that all students taking this course will apply for credit to the College Board.) The student will create a portfolio in their major area of study (2-D design, 3-D design or drawing), which will demonstrate the quality of the student's work, the student's breadth of experience and a concentration of study. The portfolio will be submitted to the College Board for adjudication. (Work that is done the year prior to submission may be included in this portfolio, as well.) The instructor, to help support the student, will offer instruction in technical methodology as well as art history. The student will be expected to continue their work outside the classroom. Students will be expected to schedule in an additional hour of Art Study for the year.

This is a high rigor College Board Advanced Placement (AP) course. All AP students are required to pay the College Board AP Exam Fee and take the Exam in May. Failure to pay the Fee will result in the following loss of benefits that coincide with all AP courses: (1) loss of weighted course GPA, (2) loss of AP course designation on transcript, and (3) loss of college credit eligibility through College Board.

- ★ Program Opportunities:
  - o Arts and Communication

#### \*\*ART STUDY DESCRIPTION

☒ Prerequisite: Must have Art Challenge or AP Art concurrently, as well as permission of instructor.

Grading: Pass or Fail – no letter grade given.

Students must be prepared to work on their art work during this period. This is not a study hall. In conjunction with the AP Art Studio course offered, one extra Art Study hour may be added to the student's daily schedule. It is expected that the student will use their time to further complete the rigorous demands of the AP portfolio requirements, students may be removed from this class if the expectations of the instructor are not fulfilled. This class is offered as Pass/Fail and is meant as a supplement to AP Art Studio. No grade is awarded for this class.

- ★ Program Opportunities:
  - o Arts and Communication

# SPECIAL EDUCATION DEPARTMENT

## SE MATHEMATICS

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS9100GA/HS9100GB  | Algebra One | 9           | 1      |

☒ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

Students entering this class have an Individualized Education Plan (IEP) on file and work better in a **small group setting**. Curriculum meets the MDE requirement for those Special Education students **earning a high school diploma**.

This class is designed to meet the Michigan Merit Curriculum for Algebra One.

The class is application motivated and begins with a unit on algebraic symbols, order of operations, probability and relative frequency. Students will study first-degree equations, inequalities, linear functions and inequalities. Other topics include: Exponents, Pythagorean theorem, polynomials, including operations with polynomials, factoring and perfect squares; systems of linear equations including weighted averages and inequalities; quadratic equations and the quadratic formula are used.

▪ This course fulfills the MMC algebra one requirement

★ Program Opportunities:

- |   |   |
|---|---|
| o Agri-Science and Natural Resources              | o Engineering, Manufacturing, and Industrial Technology |
| o Arts and Communication                          | o Human Services  |
| o Business, Management, Marketing, and Technology | o Health Sciences                                       |

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS9104GA HS9104GB  | Geometry    | 10-12       | 1      |

☒ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

Students entering this class have an Individualized Education Plan (IEP) on file and work better in a **small group setting**. Curriculum meets the MDE requirement for those Special Education students **earning a high school diploma**.

Geometry encompasses one, two and three-dimensional figures. Students will begin with points, lines, angles and conditional statements. Transformational geometry is used to facilitate the understanding of polygons and quadrilaterals. Symmetry lines are used to develop properties of figures. Reflections are used to help students understand congruent figures including triangles. Additional topics include, triangle congruence, Pythagorean theorem, area, volume, coordinate geometry, similarity, logic, indirect reasoning, right triangle geometry and circles.

▪ This course fulfills the MMC geometry requirement.

★ Program Opportunities:

- |   |   |
|---|---|
| o Agri-Science and Natural Resources              | o Engineering, Manufacturing, and Industrial Technology |
| o Arts and Communication                          | o Human Services  |
| o Business, Management, Marketing, and Technology | o Health Sciences                                       |

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS9000GA/HS9000GB  | Consumer Math | 11-12       | 1      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

Students entering this class have an Individualized Education Plan (IEP) on file and work better in a **small group setting**. Curriculum meets the MDE for those Special Education students that will be **earning a high school diploma**.

- This is a year-long class that is designed to meet the MMC for the 3rd Year Math Credit.
- This course fulfills the MMC math requirement ONLY for Semester 1- Algebra Two course.
- ★ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Human Services
  - o Health Sciences

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS9002A/HS9002B  | Finance for Life | 11-12       | 1      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

Students entering this class have an Individualized Education Plan (IEP) on file and work better in a **small group setting**. Curriculum meets the MDE for those Special Education students that will be **earning a high school diploma**.

- This course fulfills the MMC math requirement ONLY for Semester 2- Algebra Two course.
- ★ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Human Services
  - o Health Sciences

## SE LANGUAGE & LITERATURE

|  Course No. S1/S2 | Course Name             | Grade Level | Credit |
|--|-------------------------|-------------|--------|
| HS9102AA/HS9102AB  | Language and Literature | 9-12        | 1      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

Students entering this class have an Individualized Education Plan (IEP) on file and work better in a **small group setting**. Curriculum meets the MDE for those Special Education students that will be **earning a high school diploma**.

- ➔ Students will cover in the smaller classroom setting the following over the four years of high school:
  - o **Writing:** there will be a broad range of writing assignments that will cover informational writing, compare and contrast writing, persuasive writing, descriptive writing, and creative writing. The editing process as well as grammar practice will be covered in order to help students improve their basic writing skills.

- o **Reading:** Students will read novels and short stories from various genres in order to understand plot, characters, setting, foreshadowing, themes, and prediction. Reading comprehension and vocabulary will be an integral part of the lessons in order to help students increase their comprehension, fluency, and basic reading skills.
- o **Speaking:** Students will give formal and informal oral presentations that include how-to speeches, informative speeches, and persuasion speeches. Students will study the art of speaking to include volume, pace, making eye contact, pauses, pronunciation, and gestures
- ✦ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Human Services
  - o Health Sciences

## SE SCIENCE

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS9000CA/HS9000CB  | Science     | 9-12        | 1      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

📖 This course completes the biology credit required for a diploma by the MDE.

Students entering this class have an Individualized Education Plan (IEP) on file and work better in a **small group setting**. Curriculum meets the MDE requirement for those Special Education students **earning a high school diploma**.

The study of biology will focus on the prerequisite essential and core content statements as developed by the MDE. Study will include: The chemistry of life, genetics, evolution and biodiversity, interdependence of living systems and the environment, and scientific inquiry.

This course delves into both theoretical and experimental chemistry and thus includes labs. Topics include conversions, units, periodicity, gas laws, stoichiometry, thermo-chemistry, bonding, polarity, phase changes, reaction rates, equilibrium, solutions, oxidation-reduction, acid-base theories, nuclear chemistry and organic chemistry.

- This course is designed to meet the high school graduation requirement for chemistry or biology.
- This course fulfills the MMC science requirements

- ✦ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Engineering, Manufacturing, and Industrial Technology
  - o Health Sciences

## SE INDIVIDUALS & SOCIETY

|  Course No. S1/S2 | Course Name           | Grade Level | Credit |
|--|-----------------------|-------------|--------|
| HS9100DA/HS9100DB  | United States History | 9           | 1      |

☒ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

Students entering this class have an Individualized Education Plan (IEP) on file and work better in a **small group setting**. Curriculum meets the MDE requirement for those Special Education students **earning a high school diploma**.

This class will focus on events from the 1880's to the present. The areas of study will include imperialism, WWI, the Roaring 20's, Great Depression, WWII, Cold War, Civil Rights Movement, Vietnam conflict and current events. There will be a focus on geography's effect on historical events. Throughout this course, students can expect to write research papers, analyze primary source documents in addition to regular course work. This course fulfills the MMC requirements for US History and Geography.

▪ This course fulfills the MMC 9th grade social studies requirement.

★ Program Opportunities:

- |   |   |
|---|---|
| o Agri-Science and Natural Resources              | o Engineering, Manufacturing, and Industrial Technology |
| o Arts and Communication                          | o Human Services  |
| o Business, Management, Marketing, and Technology | o Health Sciences                                       |

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|---|---------------|-------------|--------|
| HS9000DA/HS9000DB   | World History | 10          | 1      |

☒ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

Students entering this class have an Individualized Education Plan (IEP) on file and work better in a **small group setting**. Curriculum meets the MDE requirement for those Special Education students **earning a high school diploma**.

The course takes a global and comparative approach to studying the world and it's past to develop greater understanding of the development of worldwide events, processes, and interactions among the world's people, cultures, societies, and environments. Understanding of course content will be achieved through the use of factual knowledge and appropriate analytical skills. Assessment will be based upon chapter quizzes, unit exams, and comprehensive mid-term and final exams.

The following themes will serve as the foundation for course study: World Historical and Geographical "Habits of Mind" and Central Concepts, Systems of Human Organizations, Growth and Development of World Religions, and Regional Interactions.

▪ This course fulfills the MMC 10th grade social studies requirement.

★ Program Opportunities:

- |   |   |
|---|---|
| o Agri-Science and Natural Resources              | o Engineering, Manufacturing, and Industrial Technology |
| o Arts and Communication                          | o Human Services  |
| o Business, Management, Marketing, and Technology | o Health Sciences                                       |

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0001FA/HS0001FB  | Economics/Civics | 11          | 1      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

Students entering this class have an Individualized Education Plan (IEP) on file and work better in a ***small group setting***. Curriculum meets the MDE requirement for those Special Education students ***earning a high school diploma***.

In **Civics**, students will explore and analyze the origins, values, purpose, organization and structure of government. Topics will include the U.S. Constitution, The Bill of Rights, the branches of government, Federalism, landmark court cases, civil rights, political parties and the American election process. Understanding the content will illustrate the relevance of government in our daily lives, and prepare students to become active, inquisitive, informed and responsible citizens.

**Economics** gives the student an understanding of the fundamentals and principles of micro and macroeconomics. Applying these concepts will help students make sense of daily national and global events and enable them to analyze, investigate and develop reasoned thinking about personal economic challenges and consequences.

▪ This course fulfills the MMC 11th grade social studies requirement.

★ Program Opportunities:

- |   |   |
|---|---|
| o Agri-Science and Natural Resources              | o Engineering, Manufacturing, and Industrial Technology |
| o Arts and Communication                          | o Human Services  |
| o Business, Management, Marketing, and Technology | o Health Sciences                                       |

## SE ELECTIVES

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS9102CA/HS9102CB  | Basic Math  | 9-12        | 1      |

☑ Prerequisite: None

 Take Note: The IEP process will determine placement in this elective course.

Basic Math is designed to meet the math requirement for any student with an IEP. In this class, students focus on basic skills and operations including but not limited to: adding, subtracting, multiplying, division, money, time, fractions, decimals and percentages. Students will participate in math fact practices and drill, hands-on activities to reinforce math concepts, math games, and word problems incorporating real life math scenarios.

★ Program Opportunities:

- |   |   |
|---|---|
| o Agri-Science and Natural Resources              | o Engineering, Manufacturing, and Industrial Technology |
| o Arts and Communication                          | o Human Services  |
| o Business, Management, Marketing, and Technology | o Health Sciences                                       |



|  Course No. S1/S2 | Course Name                | Grade Level | Credit |
|--|----------------------------|-------------|--------|
| HS9106QA/HS9106QB  | Career and Life Management | 10-12       | 1/2    |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

📅 This class will be offered every other year for 1 semester along with Social Skills in the opposite semester.

✍ Take Note: The IEP process will determine placement in this elective course.

This course is designed to assist students with exploring careers and developing skills necessary to make meaningful decisions about their career choice. Students will explore careers within all of the Michigan Career Pathways. This course will assist the students in assessing their personal strengths and weaknesses as they relate to career decisions. This course will aid the student in developing strategies to make an effective transition from school to work. The student will develop skills in this course that are generic to all occupations, such as properly preparing career documents (job applications, resumes, cover letters, W4 forms, etc.) needed to obtain employment, dressing for success and interviewing skills.

🌟 Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Human Services
- o Health Sciences

|  Course No. S1/S2 | Course Name    | Grade Level | Credit |
|--|----------------|-------------|--------|
| HS9110JA/HS9110JB  | Current Events | 10-12       | ½      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

✍ Take Note: The IEP process will determine placement in this elective course.

Using current events, this elective course focuses on world and local issues that affect students' everyday lives, such as economics, government and conflict. This course uses newspapers, online media, cartoons, and newscasts to support class discussion. Additionally, students participate in group projects, presentations and work with primary source materials and opinion pieces in order to better understand the world around them.

🌟 Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Human Services
- o Health Sciences

|  Course No. S1/S2 | Course Name                       | Grade Level | Credit |
|--|-----------------------------------|-------------|--------|
| HS9107HA/HS9107HB  | Intro to Technology & Application | 10-12       | ½      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

✍ Take Note: The IEP process will determine placement in this elective course.

This elective course will be an introduction to computer terminology, internet search skills, emailing skills, and typing skills. Students will learn the basics to using and creating documents, spreadsheets, and slides. Presentation skills and web site creations will also be addressed. Students will have the opportunity to access free online resources that allow them to keep themselves organized.

- ★ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Human Services
  - o Health Sciences

|  Course No. S1/S2 | Course Name           | Grade Level | Credit |
|--|-----------------------|-------------|--------|
| HS9105QA/HS9105QB  | Learning Through Film | 9-12        | 1      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

📅 This class will be offered every year.

✍ Take Note: The IEP process will determine placement in this elective course.

Learning Through Film is an elective credit for students with an I.E.P. In this class films are chosen to fit different themes that deal with current events, historical perspectives, society and the IB propensities. The class is based around discussion, projects and weekly rating of film. Students are graded on participation and quality of work.

- ★ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Human Services
  - o Health Sciences

|  Course No. S1/S2 | Course Name   | Grade Level | Credit |
|--|---------------|-------------|--------|
| HS9101JA /HS9101JB   | Social Skills | 9-12        | 1/2    |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

📅 This class will be offered every other year.

✍ Take Note: The IEP process will determine placement in this elective course.

This course is designed to enhance the social skills of each student. Topics covered will include; proximity, expressing feelings, making friends, good sportsmanship, dinner etiquette, apologizing,

following basic directions, interpreting body language, solving problems, waiting your turn, and using humor.

This class will be offered every other year for 1 semester along with Career and Life Management in the opposite semester.

➔ This course will provide students with the opportunity to learn skills in the following:

- ✓ Daily Living Skills
- ✓ Personal Social Skills

- ★ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Human Services
  - o Health Sciences

|  Course No. S1/S2 | Course Name  | Grade Level | Credit |
|--|--------------|-------------|--------|
| HS9102QA/HS9102QB  | Study Skills | 9-12        | 1      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

 Take Note: The IEP process will determine placement in this elective course.

Students will learn various strategies for increasing their learning in their general education courses to complete assignments and increase test scores. Students' learning strengths and weaknesses are identified to enable improvement academically and to better self-determine and advocate what they need to be successful in the classroom. Job exploration and post-secondary goals for career training is also emphasized.

|  Course No. S1/S2 | Course Name                             | Grade Level | Credit |
|--|---|-------------|--------|
| HS9107QA/HS9107QB  | Well-Being Mindfulness Through the Arts | 10-12       | 1      |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

 Take Note: The IEP process will determine placement in this elective course.

Students entering this class have an Individualized Education (IEP) on file and work better in a small group setting. Curriculum meets the MDE requirement for those special education students earning a high school diploma.

This is an elective course that will include the following areas of focus including but not limited to: daily social emotional and health journaling, meditation, art therapy, social-emotional round table discussion with guest speakers, art exhibition/museum/community based field trips, yoga/mind body movement, nature/environment exploration, cultural music/cooking/films/novels, games/puzzles/hands-on projects that lead to self-discovery of hobbies/interests, and career pathways and goal setting.

★ Program Opportunities:

- o Agri-Science and Natural Resources
- o Arts and Communication
- o Business, Management, Marketing, and Technology
- o Engineering, Manufacturing, and Industrial Technology
- o Human Services
- o Health Sciences

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS9101QA/HS9101QB  | Work Study  | 12          | 1-3    |

☑ Prerequisite: Students may only enroll in this course if they have an IEPC on file.

Students entering this class have an Individualized Education (IEP) on file.

Curriculum meets the MDE requirement for those special education students earning a high school diploma.

 Take Note: The IEP process will determine placement in this elective course.

Work Study is an On-The-Job Training experience with related counseling and follow-up services. It is for, and limited to, students who have an IEP. Employers, using a progress report each marking period, evaluate students. Grades are assigned. Students are required to complete accurate time cards.


- ✦ Program Opportunities:
  - o Agri-Science and Natural Resources
  - o Arts and Communication
  - o Business, Management, Marketing, and Technology
  - o Engineering, Manufacturing, and Industrial Technology
  - o Human Services
  - o Health Sciences


## CAREER AND TECHNICAL EDUCATION

### AGRI-SCIENCE PROGRAM

|  Course No. S1/S2 | Course Name            | Grade Level | Credit |
|--|------------------------|-------------|--------|
| HS0309CA/HS0309CB  | Zoology/Animal Science | 9-11        | 1      |

- ☑ Prerequisite: Successful completion of previous year's science course with a grade of C or better grade in both semesters.

 Take Note: Students will be required to work outside through the school year. Every student enrolled in an Agriculture Science class is expected to join as a member of the Owosso Public Schools, FFA chapter. Students will be required to participate in FFA events and agri-science activities outside of the normal class day.

 Full year elective credit.


Agriculture Science: Zoology/Animal Science is the first course in the Agriculture, Agricultural Operations and Related Science Program at OHS. The major focus of Agriculture Science: Zoology/Animal Science is on the biology of animals. Through hands-on experiences and projects, students will learn and apply foundation skills within real-world, agricultural contexts. All Agriculture Science students will be expected to participate in the highly acclaimed student organization FFA, where they will learn additional leadership and entrepreneurial skills related to Agriculture Science. This course is designed so that students will be actively engaged in authentic experiences with real animals, with real problems, and with real agricultural career explorations. Students will explore the molecular and cellular aspects of life, the chemical and structural basis of life, growth and reproduction in animals, evolution of domestic livestock species, animal genetics, taxonomy of animals, animal behavior, ecological relationships among animals, humans and the environment, nutrition in animals, health and diseases in animals, and the similarities between animals and humans. This course is centered on an extensive laboratory component in order to connect the ideas of life science with agricultural applications and other curricular areas, including written and oral skills.

- ✦ Program Opportunities:
  - o FFA learning opportunities
  - o Refer to Appendix E for current core credits available through CTE programming
  - o College Credit Available

|  Course No. S1/S2 | Course Name          | Grade Level | Credit |
|--|----------------------|-------------|--------|
| HS0308CA/HS0308CB  | Botany/Plant Science | 10-12       | 1      |

☑ Prerequisite: Successful completion of Zoology/Animal Science with a grade of C or better in both semesters.

📅 Full year elective course.

 Expectations: Students will be required to work outside through the school year. Every student enrolled in an Agriculture Science class is expected to join as a member of the Owosso Public Schools, FFA chapter. Students will be required to participate in FFA events and agri-science activities outside of the normal class day.

Agriculture Science: Botany/Plant Science is the second course in the Agriculture, Agricultural Operations and Related Science Program at OHS. The major focus of Agriculture Science: Botany/Plant Science is on the study of plants and their relationships and importance to man. Through hands-on experiences and projects, students will learn and apply foundation skills within real-world, agricultural contexts. All Agriculture Science students will be expected to participate in the highly acclaimed student organization, where they will learn additional leadership and entrepreneurial skills related to Agriculture Science. This course is designed so that students will be actively engaged in authentic experiences with real animals, with real problems, and with real agricultural career explorations. Using agriculture as the learning vehicle, the course emphasizes the principles, central concepts and interrelationships among the following topics: the molecular and cellular aspects of life, the chemical and structural basis of life, growth and reproduction in plants, evolution of modern plants, plant genetics, taxonomy of modern agricultural plants, ecological relationships among plants, humans and the environment.

This course is centered on an extensive laboratory component in order to connect the ideas of plant science with agricultural applications, earth and physical science principles, and other curricular areas, including written and oral skills.


- Course fulfills graduation requirement for “2nd year Science Credit-Chemistry, Physics, Anatomy, or Agricultural Science”

⚙ Program Opportunities:

- o FFA learning opportunities
- o College Credit Available
- o Refer to Appendix E for current core credits available through CTE programming

|  Course No. S1/S2 | Course Name                         | Grade Level | Credit |
|--|-------------------------------------|-------------|--------|
| HS4072QA/HS4072QB  | Agri-Sciences and Natural Resources | 11-12       | 1      |

☑ Prerequisite: Successful completion of Botany/Plant Science with a grade of C or better in both semesters.

 Expectations: Students will be required to work outside through the school year. Every student enrolled in an Agriculture Science class is expected to join as a member of the Owosso Public Schools, FFA chapter. Students will be required to participate in FFA events and agri-science activities outside of the normal class day.

📅 Full year elective credit.

If you appreciate the outdoors and enjoy natural resources (hunting, fishing, hiking, camping, and wildlife viewing) this class will provide a better understanding of our local natural resources and the need to conserve them for future generations. This course is designed to provide students a background in natural resources and its many career opportunities. Students will be involved with hands-on projects investigating soil erosion, water pollution, wildlife management, forestry production, land management, and the effects of management practices on the environment. Students will also explore soil conservation practices, water and its importance to natural resource management, hazardous waste management, native wildlife, waterfowl, fish, wetlands including ponds,


recreation areas, and outdoor safety. “Hands-on” learning activities encourage students to investigate areas of environmental concern including, but not limited to the identification and management of ecosystems, waste management, chemicals in the environment, soil conservation, land uses, regulations and ordinances, water & air quality.


★ Program Opportunities:

- o FFA learning opportunities
- o College Credit Available
- o Refer to Appendix E for current core credits available through CTE programming

|  Course No. S1/S2 | Course Name                   | Grade Level | Credit |
|--|-------------------------------|-------------|--------|
| HS0134CA/HS0134CB  | Agricultural Science Capstone | 12          | 1-2    |

☑ Prerequisite: Successful completion of Natural Resources/Agricultural Sciences course with a grade of C or better in both semesters, and instructor approval required.

 Expectations: Students will be required to work outside through the school year. Every student enrolled in an Agriculture Science class is expected to join as a member of the Owosso Public Schools, FFA chapter. Students will be required to participate in FFA events and agri-science activities outside of the normal class day.

 Full year elective course.

Agri-Science Capstone is a course designed for fourth year agri-science students. It is a culminating experience that provides students the opportunity to apply their accumulated knowledge to more deeply explore agriculture issues. Students conduct their own scientific research in an agricultural related field of their choice and apply the scientific method to draw conclusions and report their findings. Throughout the course of their research project, students will learn how to evaluate sources, design scientific experiments, collaborate with field experts, and work as lab assistants for prerequisite agri-science courses. At the conclusion of their research, students will present and defend their final projects to an advisory panel. Every student enrolled in an Agriculture Science class is automatically a member of the Owosso Public Schools, National FFA Organization (FFA) chapter. Students will be required to participate in FFA events and agri-science activities outside of the normal class day.


★ Program Opportunities:

- o FFA learning opportunities
- o Refer to Appendix E for current core credits available through CTE programming
- o Business
- o College Credit Available

## BUSINESS PROGRAM

|  Course No. S1/S2 | Course Name               | Grade Level | Credit |
|--|---------------------------|-------------|--------|
| HS0112HA/HS0113HA  | Sports and Entertainment  | 9-12        | 1      |
| HS0114HA/HS0115HB  | Management/Marketing I/II |             |        |

☑ Prerequisite: Interest in a business career.

 Full year elective course.

This course is an analysis of effective management strategies and the body of knowledge associated with pursuing a career in sports and entertainment management. The course introduces the student to sports management and entertainment career opportunities and to sports and entertainment principles as they apply to management, leadership style, communication, motivation and entrepreneurship. Students will gain an understanding of how marketing impacts our economy, the decisions they make as consumers, and how companies try to influence

individual purchase decisions related to these industries. Students will participate in interactive lectures, discussions, application projects, and activities including gaining knowledge and registration as a sports official. Sports and Entertainment Marketing will prepare students for advanced studies in marketing/management and create an inside look at how and why the sports and entertainment industry operates. Much of this course's work be accomplished with student teams.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Sports and Entertainment Management/Marketing Program.
- ✓ Work-based learning (guest speakers, field trips, and job shadow opportunity).

★ Program Opportunities:

- o Business Professionals of America (BPA) student organization (technical, leadership, and community service opportunities)
- o [Refer to Appendix E](#) for current core credits available through CTE programming
- o College Credit Available

|  Course No. S1/S2 | Course Name                     | Grade Level | Credit |
|--|---------------------------------|-------------|--------|
| HS0116HA/HS0117HB<br>HS0118HA/HS0119HB   | Marketing: Store Operation I/II | 10-12       | 1-2    |

- ☑ Prerequisite: Interest in a business career. Successful completion of at least one Business/Marketing course with a grade of C or better in both Semesters.
- ☑ Full year elective course.

Marketing: Store Operations focuses on the functions of marketing and how they impact retail markets. Students will gain an authentic retail experience through running the Trojan Spirit Store, the OHS school store, while participating in interactive lectures, discussions, application projects, and activities. This course expands student understanding of business management. It exposes students to several aspects of business, including international business, business planning and entrepreneurship, financial analysis, communications, business management and leadership. An emphasis will be placed on marketing management, where students will develop marketing activities and plans, generate product ideas, coordinate promotional activities, and demonstrate sales processes by working in the Trojan Spirit Store.

Students will learn about the core business management fundamentals and apply the concepts to real-world scenarios. They will study information technology application and data management, operations and quality management, human resources, project management, workplace safety, career and professional development, and retail employment. Students will explore the various business-related careers and participate in a job shadow experience.

➔ Important Course Considerations:

- ✓ Students will be required to work in the Trojan Spirit Store as a work-study or a volunteer.
- ✓ Work-based learning (guest speakers, field trips, and job shadow opportunity).

★ Program Opportunities:

- o Business Professionals of America (BPA) student organization (technical, leadership, and community service opportunities)
- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available



|  Course No. S1/S2 | Course Name                   | Grade Level | Credit |
|--|-------------------------------|-------------|--------|
| HS0105HA/HS0105HB  | Entrepreneurship & Innovation | 10-12       | 1      |

☑ Prerequisite: Successful completion of Introduction to Entrepreneurship with a grade of C or better in both semesters.

📅 Full year elective course.

Learn what it takes to be successful in business as you explore the startup, development, and operational management of a virtual business. In this class students operate a virtual company in connection with the Virtual Enterprise International (VEI) organization. Students will be involved in virtual work experiences such as accounting, human resources, management, marketing, international business, multimedia, desktop publishing, and e-commerce; all departments work together to run the virtual business and students buy/sell with other national and international virtual companies. Students also have the opportunity to attend a national and international trade show. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in an entrepreneurship and innovation program.
- ✓ Success in this class requires strong organizational skills, ability to meet deadlines, and a willingness to spend time outside of class to complete projects.

✪ Program Opportunities:

- o Business Professional of America (BPA) student organization
- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available

|  Course No. S1/S2 | Course Name                            | Grade Level | Credit |
|--|--|-------------|--------|
| HS0108HA/HS0108HB  | Advanced Entrepreneurship & Innovation | 11-12       | 1      |

☑ Prerequisite: Successful completion of Entrepreneurship & Innovation with a grade of C or better in both semesters.

📅 Full Year Elective Credit

This is the continuation of Entrepreneurship and Innovation, where students are engaged in the day-to-day operations of a virtual company, run in conjunction with the Virtual Enterprise International organization. Second-year students will expand on previous experiences by digging deeper in the performance of several functions. This includes the implementation of first-hand market research, quality circles, performance evaluation and stockholder relations. Additional opportunities will exist for budgeting and forecasting as well as writing code for the development of proprietary website development and management. Multiple opportunities will be given to demonstrate proficiency in salesmanship, marketing, design and human resources through local, regional and national trade shows.



➔ Important Course Considerations:

- ✓ Students may enroll in this course multiple years.
- ✓ Success in this class requires strong organizational skills, ability to meet deadlines, and a willingness to spend time outside of class to complete projects.
- ✓ This course will operate with the same expectations and materials similar to a college-level course in an entrepreneurship and innovation program.

★ Program Opportunities:

- o Business Professional of America (BPA) student organization
- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available

|  Course No. S1/S2 | Course Name                         | Grade Level | Credit |
|--|-------------------------------------|-------------|--------|
| HS0111HA/HS0111HB  | Entrepreneurial Management Capstone | 12          | 1-2    |

- ☑ Prerequisite: Successful completion of at two Business/Marketing CTE courses with a grade of C or better in both semesters.

📅 Full year elective credit.

This is the continuation of Entrepreneurship and Innovation, where students are engaged in the day-to-day operations of a virtual company, run in conjunction with the Virtual Enterprise International organization. Third-year students will be placed in senior management positions within the company, where they will be responsible for oversight, development and direction for the daily operations of the company. Experiences will include writing, editing and presenting business plans orally to potential investors and to local business leaders. Increased activity with international emphasis will provide first-hand opportunities in currency exchange and management. More in-depth work in Accounting practices include project management budgeting.

★ Program Opportunities:

- o Business Professional of America (BPA) student organization
- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available

## CONSTRUCTION TRADES PROGRAM

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0129QA/HS0129QB  | Home Improvement | 10-12       | 1      |

- ☑ Prerequisite: Algebra One recommended.

📅 Full year elective course.

Home Improvement is a course that focuses on the basics of construction. Students will learn tool safety, terminology used with home improvement techniques and how to estimate materials for home improvement jobs. Course work will involve lectures, research, textbook assignments, and hands-on projects. The hands-on experiences will involve construction of small sheds, playhouses, and scale models. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

This course will operate with the same expectations and materials similar to a college-level course in a Construction Trades Program.

★ Program Opportunities:

- o Business Professional of America (BPA) student organization

- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available

|  Course No. S1/S2 | Course Name         | Grade Level | Credit |
|--|---------------------|-------------|--------|
| HS0130QA/HS0130QB  | Construction Trades | 11-12       | 2      |

☑ Prerequisite: Successful completion of Home Improvement with a grade of C or better in both semesters.

📅 Full year elective course.

Construction Trades is a 2-hour course where students will build on the concepts and skills learned in the Home Improvement course. Students will develop advanced knowledge, skill level, and procedures of the construction industry. Course work will be a combination of research of tools, materials, and techniques of construction as well as hands-on projects including structures such as pole barns, garages, and decks. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Construction Trades Program.

★ Program Opportunities:

- o SkillsUSA® student organization
- o College Credit Available
- o Refer to Appendix E for current core credits available through CTE programming

|  Course No. S1/S2 | Course Name           | Grade Level | Credit |
|--|-----------------------|-------------|--------|
| HS4673QA/ HS4673QB   | Advanced Construction | 12          | 1-2    |

☑ Prerequisite: Successful completion of Construction Trades with a grade of C or better in both semesters, completed course application, and instructor approval required.

📅 Full year elective course.

A two-hour block extension course of Construction Trades where students will utilize advanced concepts and skills learned in the Home Improvement/Construction Trades courses. Students will apply advanced knowledge, advanced skill levels, and procedures of the construction industry. Course work will be a combination of research of tools, materials, and techniques of construction as well as hands-on projects including structures such as pole barns, garages, and decks. Students will receive a balanced and rigorous extended curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

Students in this course will be given a foreman position overseeing various job duties and responsibilities related to the field of construction and construction management. Additionally, students will be required to complete the OSHA 30-hour certification training. Students will have a potential opportunity to earn pre-licensure hours going towards the State of Michigan Builders License. Third year students will be combined with first and/or second year students to facilitate mentoring and foreman responsibilities overseeing projects.

- ✦ Program Opportunities:
  - o SkillsUSA® student organization
  - o College Credit Available
  - o Refer to Appendix E for current core credits available through CTE programming

## CULINARY ARTS PROGRAM

|  Course No. S1/S2 | Course Name     | Grade Level | Credit |
|--|-----------------|-------------|--------|
| HS0110QA/HS0110QB  | Culinary Arts I | 10-11       | 1      |

☑ Prerequisite: Interested in a career in culinary arts.

📅 Full year elective credit.

Using the industry standard kitchen students will focus on areas of instruction to include basic food safety and sanitation, food preparation, restaurant management, customer relations, marketing, accounting, menus, and meal planning. The *ServSafe Food Handler Certificate* is available to earn in this program. Students will also have the opportunity to explore a variety of culinary careers and experience a variety of job shadowing activities at local culinary facilities. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world. Students must be willing and able to use a Chromebook for assignments.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Culinary Arts Program.

- ✦ Program Opportunities:
  - o SkillsUSA® student organization
  - o College Credit Available
  - o Refer to Appendix E for current core credits available through CTE programming

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0112QA/HS0112QB  | Culinary Arts II | 12          | 1      |

☑ Prerequisite: Successful completion of Culinary Arts I with a grade of C or better in both semesters, and instructor approval required.

📅 Full year elective credit.

This course builds on concepts and skills learned in the Culinary I course. Through classroom, lab settings, and real-world catering events, students will be exposed to basic food preparation and food selection for healthy living and nutrition. Students will also develop a solid foundation of kitchen basics, techniques for food safety, food storage, food preparation, food presentation, food service, baking, pastry production, and international cuisines. Students will have the opportunity to participate and apply culinary practices, as well as practice advanced techniques. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world. Students must be proficient with Chromebook.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Culinary Arts Program.

- ✦ Program Opportunities:
  - o In-House Culinary competition
  - o SkillsUSA® student organization
  - o Refer to Appendix E for current core credits available through CTE programming
  - o College Credit Available

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0189QA/ HS0189QB   | Sous Chef   | 11-12       | 1      |

- ☑ Prerequisite: Successful completion of Culinary Arts I with a grade of C or better in both semesters, current enrollment in Culinary Arts II, and instructor approval required.

 Full year elective credit.

This course is designed to give leadership opportunities to exceptional Culinary Students. The sous chef will act as Chef's assistant, working independently each day to complete tasks for chef. Skills needed include: self-starting. Accuracy, attention to detail, team player, maturity, responsible, level headed, problem solver, and more. Sous chefs are picked by chef, and can be released from their duties for misbehavior and breaking contract. Sous chefs must also successfully complete a week of sous chef boot camp in the summer. Possible jobs the sous chef would have to complete: maintaining proper chemical levels in sinks, refilling par stock, cleaning and maintaining dry storage, preparing chef's demos, teaching cooking classes in the community, fundraising, accurately completing recipes, cleaning, helping Culinary 1 students with technique, correcting Culinary 1 students when appropriate, filing paperwork, first aide, and maintaining the standards of chef.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Culinary Arts Program.

- ✦ Program Opportunities:
  - o Leadership opportunities
  - o Real-world hands-on training
  - o Year-end trip to Mackinac Island to tour the Grand Hotel's Kitchen

|  Course No. S1/S2 | Course Name     | Grade Level | Credit |
|--|-----------------|-------------|--------|
| HS4075QA/HS4075QB  | Chef de Cuisine | 12          | 1      |

- ☑ Prerequisite: Instructor approval required and successful completion of Culinary Arts I, Culinary Arts II, and One Year of Sous Chef.

This course is designed to give additional leadership opportunities to exceptional Culinary Students. The Chef de Cuisine will be in charge of scheduling, communicating, and managing the sous chefs. Responsibilities will be similar to sous chef, example: maintaining proper chemical levels in sinks, refilling par stock, cleaning and maintaining dry storage, preparing chef's demos, teaching cooking classes in the community, fundraising, accurately completing recipes, cleaning, helping Culinary 1 students with technique, correcting Culinary 1 students when appropriate, filing paperwork, first aide, and maintaining the standards of chef.

Additional duties would include: organizing fundraisers, completing schedules for sous chefs, delegating responsibilities, keeping track of inventory, making orders for product, and more. Skills needed would be similar to sous chef: self-starting. Accuracy, attention to detail, team player, maturity, responsible, level headed, problem solver, and more. Additional skills needed: must be good with people, understanding and empathetic, ability to work quickly and accurately.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Culinary Arts Program.

⚙ Program Opportunities:

- o Leadership opportunities
- o Real-world hands-on training
- o Year-end trip to Mackinac Island to tour the Grand Hotel's Kitchen

## EDUCATION CAREERS

|  Course No. S1/S2 | Course Name          | Grade Level | Credit |
|--|----------------------|-------------|--------|
| HS0100QA/HS0100QB  | Careers in Education | 10-12       | 1      |

☑ Prerequisite: Interest in Education as a Career

📅 Full year elective credit.

This course is designed to provide students with an overview of educational theory, basic principles of educational psychology, the art of teaching, teacher education certification, and career exploration. Students will also be introduced to the physical, social, emotional, and cognitive characteristics of children. Other areas of focus include children's self-esteem as it relates to education including self-esteem development, fostering self-esteem, positive discipline techniques, and classroom practices including student outcomes, curriculum development and lesson planning. Students enrolled in this course will have the opportunity to participate in multiple job shadowing experiences in district classrooms. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

Students will need to come with good organizational skills and a willingness to truly explore the career of teaching. This course will operate with the same expectations and materials similar to a college-level course in an Education Program.

⚙ Program Opportunities:

- o Family, Career and Community Leaders of America (FCCLA) Student Organization
- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available

|  Course No. S1/S2 | Course Name     | Grade Level | Credit |
|--|-----------------|-------------|--------|
| HS0101QA/HS0101QB  | Student Teacher | 11-12       | 2      |

☑ Prerequisite: Careers in Education and Instructor Approval Required

📅 Full year elective credit.

This is a 2-hour block course which is a combination of course work and classroom field experience. Students will also be matched and supervised by a teacher in the K-12 educational setting and obtain practical experience by working, training and assisting in a classroom as a Student Teacher. The Student Teacher will develop and deliver lessons, design and display bulletin boards, and assist the cooperating teacher with day-to-day classroom activities. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

Students will need to come with good organizational skills and a willingness to truly explore the career of teaching. This course will operate with the same expectations and materials similar to a college-level course in an Education Program.

- ✦ Program Opportunities:
  - o Family, Career and Community Leaders of America (FCCLA) Student Organization
  - o Refer to Appendix E for current core credits available through CTE programming
  - o College Credit Available

## ENGINEERING ARTS PROGRAM

|  Course No. S1/S2 | Course Name      | Grade Level | Credit |
|--|------------------|-------------|--------|
| HS0998QA/HS0998QB  | STEM Exploration | 9-12        | 1      |

☑ Prerequisite: Successful completion of the previous year's science course with a grade of C average or better.

☑ Corequisite: Algebra One

📅 Full year elective credit.

STEM Exploration is an introductory course for students to learn about STEM careers. Students will explore topics in engineering, math, science, technology, and manufacturing. Students will invent, design and create while doing hands-on, real-world challenges and projects.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in an Engineering Program. Students will be encouraged to participate in one SkillsUSA® competition outside of the normal class activities.

- ✦ Program Opportunities:
  - o SkillsUSA® Student Organization
  - o College Credit Available
  - o Refer to Appendix E for current core credits available through CTE programming

|  Course No. S1/S2 | Course Name                              | Grade Level | Credit |
|--|--|-------------|--------|
| HS0111QA/HS0111QB  | Introduction to Engineering Design (IED) | 10-1        | 1      |

☑ Prerequisite: Successful Completion of the previous year's science course with a C average or better.

☑ Co-requisite: Algebra I

📅 Full year elective credit.

The major focus of IED is the design process and its application. Through hands-on projects, students apply engineering standards and document their work. Students learn technical drawing standards and use industry standard 3D modeling software to help them design solutions to solve proposed problems, document their work using an engineer's notebook, and communicate solutions to peers and members of the professional community. This course will teach students the industry standards along with professionalism that goes along with being a successful engineer in today's world. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in an Engineering Program. Students will be encouraged to participate in one SkillsUSA® competition outside of the normal class activities.

- ★ Program Opportunities:
  - o SkillsUSA® Student Organization
  - o College Credit Available
  - o Refer to Appendix E for current core credits available through CTE programming

|  Course No. S1/S2 | Course Name                     | Grade Level | Credit |
|--|---------------------------------|-------------|--------|
| HS0116QA/HS0116QB  | Principles of Engineering (POE) | 10-12       | 1      |

☑ Prerequisite: Instructor approval required and successful completion of STEM Exploration with a grade of C or better in both semesters.

☑ Corequisite: Geometry, Algebra Two, Pre-Calculus, Calculus.

📅 Full year elective credit.

Principles of Engineering is designed for multi-year engineering students, this survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions. Students will be working with the VEX Robotics systems as a means demonstrate their problem solving skills, engineering knowledge, and computer programming abilities. This course will teach students the industry standards along with professionalism that goes along with being a successful engineer in today's world. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in an Engineering Program. Students will be encouraged to participate in one SkillsUSA competition outside of the normal class activities.
- ✓ Students will take a single standardized test at the conclusion of the year to determine if students have earned college credit or not.

- ★ Program Opportunities:
  - o SkillsUSA® Student Organization
  - o College Credit Available
  - o Refer to Appendix E for current core credits available through CTE programming
  - o Algebra Two Credit (if completed IED and POE with a grade of B or better in each semester)

|  Course No. S1/S2 | Course Name          | Grade Level | Credit |
|--|----------------------|-------------|--------|
| HS0997QA/HS0997QB  | Engineering Capstone | 10-12       | 1      |

☑ Prerequisite: Instructor approval required and successful completion of Principles of Engineering with a grade of C or better in both semesters.

☑ Corequisite: Geometry and/or Algebra Two.

📅 Full year elective credit.

Civil Engineering and Architecture is designed for students interested in learning more about the aspects of manufacturing and engineering. Students learn about various aspects of engineering and apply their knowledge to the design and development project. In addition, students use 3D design software to design and document solutions for major course projects.

Blueprint reading are skills taught in this course. Students communicate and present solutions to their peers and members of a professional community of engineers.



Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

➔ Important Course Considerations:

- ✓ This course will operate with the same expectations and materials similar to a college-level course in an Engineering Program. Students will be encouraged to participate in one SkillsUSA competition outside of the normal class activities.
- ✓ Students will be required to participate in one skills competition outside of the normal class activities and become members of the SkillsUSA career and technical education organization.
- ✓ Students in Capstone course are expected to complete Work-Based Learning experience at local company.

★ Program Opportunities:

- o SkillsUSA® Student Organization
- o College Credit Available
- o Refer to Appendix E for current core credits available through CTE programming

## WOOD TECHNOLOGY PROGRAM

|  Course No. S1/S2 | Course Name       | Grade Level | Credit |
|--|-------------------|-------------|--------|
| HS0103JA/HS0103JB  | Wood Technology I | 9-12        | 1      |

☒ Prerequisite: None

**No course fees.** Projects may be purchased based on the cost of materials and supplies for project(s) selected. Unpurchased projects belong to the school.

 Full year elective credit.

Wood Technology is a course that introduces students to fine woodworking. This course focuses on how to safely and properly use woodworking machinery. Students will learn aspects of layout/planning and material estimation of projects. Students will also learn techniques for creating a quality project including lamination and proper finishing. Students will learn through demonstration, lecture, textbook assignments, technology, research papers, and hands-on activities. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

➔ Important Course Considerations:

- ✓ Proper clothing is required.
- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Wood Technology Program.

★ Program Opportunities:

- o Michigan Industrial & Technology Education Society (MITES) student organization
- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available



|  Course No. S1/S2 | Course Name        | Grade Level | Credit |
|--|--------------------|-------------|--------|
| HS90100JA/HS0100JB   | Wood Technology II | 10-12       | 1      |

- ☑ Prerequisite: Successful completion of Wood Technology I course with a grade of C or better in both semesters.

**No course fees.** Projects may be purchased based on the cost of materials and supplies for project(s) selected. Unpurchased projects belong to the school.

📅 Full year elective credit.

Wood Technology II is a course that builds on the skills learned in Wood Technology I. Students will continue to learn skills of layout/planning and material estimation of projects. Students will learn through demonstration, lecture, textbook assignments, technology, research papers, and hands-on activities. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

➔ Important Course Considerations:

- ✓ Proper clothing is required.
- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Wood Technology Program.

★ Program Opportunities:

- o Michigan Industrial & Technology Education Society (MITES) student organization
- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available

|  Course No. S1/S2 | Course Name               | Grade Level | Credit |
|--|---------------------------|-------------|--------|
| HS0165QA/HS0165QB  | Wood Technology Challenge | 11-12       | 1      |

- ☑ Prerequisite: Instructor approval required and successful completion of Wood Technology I with a grade of C or better in both semesters, enrolled in Wood Technology Lab concurrently.

📅 Full year elective credit.

**No course fees.** Projects may be purchased based on the cost of materials and supplies for project(s) selected. Unpurchased projects belong to the school.

Wood Challenge is an extension of Wood Technology II where students will increase skills, knowledge, and procedures in woodworking. Students will be exposed to a deeper level of the art of woodworking as well as looking into the newest techniques that are used in today's industry. The majority of this class will be hands-on. Good work habits and a cooperative attitude are important for this course. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

➔ Important Course Considerations:


- ✓ Proper clothing is required.
- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Wood Technology Program.

★ Program Opportunities:

- o Michigan Industrial & Technology Education Society (MITES) student organization
- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available

|  Course No. S1/S2 | Course Name         | Grade Level | Credit |
|--|---------------------|-------------|--------|
| HS0166QA/HS0166QB  | Wood Technology Lab | 11-12       | 1      |

- ☒ Prerequisite: Instructor approval required and successful completion of Wood Technology I with a grade of C or better in both semesters, enrolled in Wood Technology Challenge concurrently.

 Full year elective credit.

**No course fees.** Projects may be purchased based on the cost of materials and supplies for project(s) selected. Unpurchased projects belong to the school.

Wood Lab is an extension of Wood Technology II where students will increase skills, knowledge, and procedures in woodworking. Students will have the opportunity to work on larger, more time-consuming woodworking projects. Good work habits and a cooperative attitude are important for this course. Students will receive a balanced curriculum that includes creative and critical thinking skills, reflection pieces, communication and presentation skills, and knowledge that can be applied in the real world.

➔ Important Course Considerations:

- ✓ Proper clothing is required.
- ✓ This course will operate with the same expectations and materials similar to a college-level course in a Wood Technology Program.
- ✓ Students enrolled in lab course will receive “credit” for successful completion of work versus a letter grade.

★ Program Opportunities:

- o Michigan Industrial & Technology Education Society (MITES) Student Organization
- o Refer to Appendix E for current core credits available through CTE programming
- o College Credit Available

## SPECIAL PROGRAMS

### CREDIT RECOVERY

|  Course No. S1/S2 | Course Name     | Grade Level | Credit |
|--|-----------------|-------------|--------|
| HS0120QA/HS0120QB  | Online Recovery | 10-12       | 1+     |

- ☒ Prerequisite: Administrator/Counselor Approval Only

Online Credit Recovery Courses through Edgenuity is a course that allows students who may have been unsuccessful in a core class to attempt to recover that credit through a virtual course. Students would speak with their counselors before registering for these courses as it takes counselor approval and being off track to graduate to be eligible for any of these Michigan Merit Curriculum Core Courses. Counselors will enter the course onto a student’s schedule prior to the start of the new school year. Students cannot register for this class through the course planner page or through Power School Requests. Parents should contact their child’s counselor if they are concerned about the credits their child has accumulated and if those credits are addressing those needed for a high school diploma.


## DUAL ENROLLMENT

|  Course No. S1/S2 | Course Name             | Grade Level | Credit |
|--|-------------------------|-------------|--------|
| HS0120QA/HS0120QB  | Dual Enrollment Courses | 10-12       | 1+     |

☒ Prerequisite: Administrator/Counselor Approval Only

→ Important Course Considerations:

- ✓ Students and parents are required to attend all dual enrollment related meetings in order to be scheduled into this course for the new school year.
- ✓ Parents and Students need to understand, should the course they want to dual enroll in exceeds the \$549.57, they are responsible to pay the balance over this amount.

 **IMPORTANT PROGRAM - TAKE NOTE:** Students wanting to explore the possibility of Dual Enrollment should speak with their counselor extensively to understand the process for registration with the college or university. The student is expected to:

1. Do extensive research into the university policies on Dual Enrollment
2. Complete the application for the university dual enrollment program
3. Complete forms for Intent to Dual Enroll from their counselor
4. Complete forms for Owosso Public School Dual Enrollment Billing
5. Complete forms for the university so they will receive approval from Owosso Public School to bill the district the allotted \$549.57 per semester for the Dual Enrollment course

| DUAL ENROLLMENT PROGRAMMING   |   |   |   |
|---|---|---|---|
| SHIAWASSEE COUNTY - CTE PROGRAMS:<br><ul style="list-style-type: none"> <li>• HEALTH SCIENCE ACADEMY</li> <li>• WELDING</li> <li>• AUTOMOTIVE SERVICES I &amp; 2</li> <li>• CRIMINAL JUSTICE</li> <li>• DIESEL SERVICES</li> <li>• ELECTRICAL TRAINING</li> </ul> | DUAL ENROLLMENT SINGLE COURSE WORK<br><br>STUDENTS TAKE A SINGLE COURSE AT BAKER COLLEGE OR LANSING CC OR MOTT CC | SHIAWASSEE EARLY COLLEGE - 5TH YEAR PROGRAM<br><br>STUDENTS TAKE 5 YEARS TO COMPLETE BOTH A HIGH SCHOOL DIPLOMA AND UP TO 60 CREDIT HOURS OF COLLEGE COURSEWORK | ONLINE HIGH SCHOOL COURSES<br><br>GENNET- 6 ONLINE PROVIDERS OFFER VARIOUS ELECTIVE COURSES AT HIGH SCHOOL LEVEL TO EXPLORE DIFFERENT PROGRAMS OF STUDY OR MICHIGAN VIRTUAL ONLINE HIGH SCHOOL COURSES WITH EXPLORATORY EXPERIENCES |


We encourage students to consider Dual Enrollment as a viable option but we also want to be sure it is understood that students **MUST** provide their own transportation to the class (if needed) and they must begin the registration process at least 4-5 weeks before registration at the university admission office.

All paperwork needs to be completed by May 15th in order for the proper registration procedures to be in place to begin classes in the fall. Depending on the institution, the first day of classes varies so students need to be sure to know the start date for the dual enrolled class prior to the start of classes at Owosso High School. Counselors will adjust the student's schedule during the Trojan Day Registration in August, they will be able to enroll the student that week in August for the course that begins in the fall. Students need to understand there may be days when Owosso Public Schools are closed for professional development, but students with dual enrolled classes are expected to attend the dual enrolled class even though they do not have school at Owosso High School.

## ONLINE VIRTUAL COURSES

Online courses are available to challenge students who want to learn in a different way, using technology to explore math, science, individuals & society, language acquisitions and language & literature in a flexible, personalized environment.

**DESCRIPTION:** Students need to understand these courses are not easier or have less homework. These courses require students to meet instructor deadlines, organize their own study time, set up time for completing assignments, schedule with counselors when they will take online tests or quizzes and send a progress report from their online instructor to the counselor every 10 weeks. Because this online course is over the internet students will need to have the ability to work independently as there will not be an instructor with them each day for that hour. The only way they will be able to communicate with the instructor for the course is through emails. Students need to have good communication skills, be intrinsically motivated to explore and learn on their own and be able to organize their time to complete assignments on a daily basis. Students struggling with procrastination should not consider an online course.

 Parents and Students need to understand that should the course they want to Dual Enroll in exceeds the \$549.57, they are responsible to pay the balance over this amount.

 Get Started by Exploring Course Offerings:

✓ GenNET Online Learning Courses: <https://gennet.us/>

✓ Michigan Virtual School: <http://www.mivhs.org/Courses>

**Requirements:** Students must have met the Subject benchmark score on one of the following PSAT or SAT and counselor/principal approval to enroll in the course. The GenNet Courses have **several** different providers so it is recommended that students and parents explore carefully which course and provider they wish to register with for the fall Dual Enrollment.

|                          |     |                       |     |
|--------------------------|-----|-----------------------|-----|
| SAT Score in English     | 460 | SAT Score in Math     | 510 |
| PSAT 10 Score in English | 430 | PSAT 10 Score in Math | 480 |
| PSAT 9 Score in English  | 410 | PSAT 9 Score in Mat   | 450 |

## SCHOLASTIC APTITUDE TEST (SAT) PREPARATION

|  Course No. S1/S2 | Course Name | Grade Level | Credit |
|--|-------------|-------------|--------|
| HS0120HA   | SAT Prep    | 11-12       | ½-1    |

☒ Prerequisite: None

The SAT Prep course is offered in either a full year or FIRST semester ONLY format. It is intended for 11th grade students preparing to take the SAT test for the first time (full year), or for 12th grade students looking to improve their score (1st semester) to expand their post-high school options with college and university opportunities. The SAT course concentrates on SAT Reading, vocabulary, and writing skills along with math practice. The course includes practice in taking the SAT test, as well as question types (sentence completion, critical reading/writing, vocabulary).

## SRES D CTE PROGRAMS OF STUDY

This section outlines the Career Technical Education (CTE) programs of study provided by the Shiawassee Regional Education Service District (SRES D). Program bussing to/from Baker College of Owosso is provided by Owosso Public Schools. The first bus departs OHS at 7:15 a.m. and a bus brings students back to OHS from Baker College at the end of class each day.

| Course No. S1/S2  | Course Name           | Grade Level | Credit |
|-------------------|-----------------------|-------------|--------|
| HS0125QA/HS0125QB | Automotive Services I | 11-12       | 2      |

- ☑ Prerequisite: (1) Application required, (2) students must have completed the 10<sup>th</sup> grade of high school, and (3) have a minimum of a 2.5 GPA.

🔗 Students can begin the online application process by making an appointment to meet with their school counselor, [ReachHigherOHS.org/support](http://ReachHigherOHS.org/support).

Students will learn Electrical/Electronic Systems 1 & 2 in this first year. This course helps prepare students to perform successfully on the state technician's certification test for automotive electrical systems. The state certification is required for all personal who work as specialty technicians or master technicians in Michigan. This is a 2-hour block course. Students will be required to attend an orientation session before the start of school in September, they will also be required to attend classes at Baker College even if the Owosso Public School are not in session due to Professional Development days, teacher work days or OPS breaks not coinciding with Baker College.

### ⚙ INSTRUCTION TOPICS:

- o Computerized testing
- o Principles of electricity
- o Advanced diagnostic techniques
- o Charging, ignition and diagnosis of basic electronic faults
- o Basic electrical system components such as wiring, batteries, starters and alternators
- o Analysis of automobile electrical/electronic systems, including using an Ohmmeter to check continuity and measure resistance in electric/electronic circuits and components

**COLLEGE CREDITS** - In addition to high school credits, students will earn the following Baker College credits:

| COLLEGE COURSES - Year 1                       | CREDITS  |
|--|----------|
| AST 2010A - Safety                             | 3        |
| AST 1410 - Electrical/Electronic Systems I/Lab | 3        |
| AST 1110 - Engine Repair I/Lab                 | 3        |
| <b>TOTAL</b>                                   | <b>9</b> |
| COLLEGE COURSES - Year 2                       | CREDITS  |
| AST1310 - Brakes/Lab                           | 4        |
| AST 1210 - Suspension and Steering/Lab         | 4        |
| <b>TOTAL</b>                                   | <b>8</b> |

### ➔ State License Examinations:

- ✓ Automotive Suspension and Steering
- ✓ Automotive Brake Service
- ✓ Automotive Electronics Systems
- ✓ Students may test through the Department of Motor Vehicles but all persons who work in positions as specialty mechanics or master mechanics in the State of Michigan must have passed State Certifications.

- This course can fulfill the MMC visual/performing/applied arts requirement.

- ✦ Program Opportunities:
  - o Engineering, Manufacturing and Technology

|  Course No. S1/S2 | Course Name            | Grade Level | Credit |
|--|------------------------|-------------|--------|
| HS0127QA/HS0127QB  | Health Science Academy | 11-12       | 2      |

- ☑ Prerequisite: (1) Application required, (2) students must have completed the 10<sup>th</sup> grade of high school, and (3) have a minimum of a 2.5 GPA.

- 📎 Students can begin the online application process by making an appointment to meet with their school counselor, [ReachHigherOHS.org/support](https://ReachHigherOHS.org/support).

Earn college credit in the Health Science Academy Program, which will provide students with exposure to a variety of health care occupations. This course consists of classroom instruction and clinical rotations, and students will have the opportunity to earn their American Heart Association CPR certification and job shadow with various medical professionals. In year 2, students will have the opportunity to complete Emergency Medical Services (EMS) coursework. The coursework in this class is based on the National Health Care Foundation Standards and Accountability criteria.

✦ INSTRUCTION TOPICS:

- o CPR Certification
- o Human Anatomy & Physiology
- o Medical Math
- o Communication
- o Medical Terminology
- o Healthcare Systems
- o Employability Skills
- o Medical Ethics and Legal Practices
- o Infection Control
- o Health Maintenance Practices

- ➔ COLLEGE CREDITS - In addition to high school credits, students will also have to opportunity to earn college credits.

- ✓ Year 1 - CPR Certification
- ✓ Year 2 - Coursework to prepare students for EMT Certification

|  Course No. S1/S2 | Course Name                      | Grade Level | Credit |
|--|----------------------------------|-------------|--------|
| HS0119JA/HS0119JB  | Introduction to Criminal Justice | 11-12       | 2      |

- ☑ Prerequisite: (1) Application required, (2) students must have completed the 10<sup>th</sup> grade of high school, and (3) have a minimum of a 2.5 GPA.

- 📎 Students can begin the online application process by making an appointment to meet with their school counselor, [ReachHigherOHS.org/support](https://ReachHigherOHS.org/support).

Earn college credit in the Criminal Justice Program, which will provide students with exposure to the purposes and career opportunities available in a criminal justice setting. Coursework in this program will prepare the student for a variety of associate and baccalaureate degree programs such as: Corrections, Criminal Justice and Public Safety. Students will study the history of policing and corrections, policing and patrol techniques, the court system, and much more. Students will be exposed to the Michigan Commission on Law Enforcements Standards which guide the curriculum and learning experiences as the law enforcement academies in Michigan.

★ INSTRUCTIONAL TOPICS:

- o Criminal Law
- o Investigation and Arrest
- o Adjudication
- o Courts Structure and Participants
- o Professionalism and Ethics
- o Crime and Corrections
- o Punishments and Prison Life
- o Diversion and Probation
- o Crime and Criminology
- o Juvenile Justice

**COLLEGE CREDITS** – In addition to high school credits, students will earn the following Baker College credits:

| COLLEGE COURSES - Year   | CREDITS   |
|--|-----------|
| <i>CRJ 1010 - Introduction to Criminal Justice</i>               | 3         |
| <i>CRJ 1060 - Introduction to Corrections</i>                    | 3         |
| <i>CRJ 1410 - Criminology</i>                                    | 3         |
| <i>CRJ 2210 - Interpersonal Communication and Conflict</i>       | 3         |
| <b>TOTAL</b>   | <b>12</b> |
| Credits COLLEGE COURSES – Year 2                                 | CREDITS   |
| <i>CRJ 2310 - Principles of Policing 3</i>                       |           |
| <i>CRJ 1810 - Community Corrections</i>                          | 3         |
| <i>CRJ 2210 - Interviewing, Investigation and Report Writing</i> | 3         |
| <i>CRJ 2410 - Juvenile Justice Concepts</i>                      | 3         |
| <b>TOTAL</b>   | <b>12</b> |

| Course No. S1/S2  | Course Name                         | Grade Level | Credit |
|-------------------|-------------------------------------|-------------|--------|
| HS4078QA/HS4078QB | DSL 1010 – Diesel Engine Theory/Lab | 11-12       | 2      |

- ☑ Prerequisite: (1) Application required, (2) students must have completed the 10<sup>th</sup> grade of high school, (3) have a minimum of a 2.5 GPA, and (4) must be 16 years of age.

- 🔗 Students can begin the online application process by making an appointment to meet with their school counselor, [ReachHigherOHS.org/support](https://ReachHigherOHS.org/support).

Diesel Service Technicians inspect, maintain, repair, and overhaul buses, trucks, and other vehicles with a diesel engine. Their work is varied; they may work on a vehicle's electrical system, make major engine repairs or do routine maintenance. Continuing advances in diesel technologies to improve performance have made it essential to have up-to-date training and skills. This is predominately a hands-on course where students also participate in activities outside the classroom such as Ski9lls USA competition and field trips. Graduates in Diesel Service Technology have a 94% employment rate from the Auto/Diesel Institute.

➔ Students will be able to take the State License Examinations in:


- ✓ Medium Heavy Truck Engine
- ✓ Medium Heavy Truck Electrical

State Certification is required for all persons who work in positions as specialty mechanics or master mechanics in the State of Michigan. Students may test through the Department of Motor Vehicles. Student enrolled in the Diesel Services program will have the opportunity to prepare for the ASE Student Exam.

**COLLEGE CREDITS** – In addition to high school credits, students will earn the following Baker College credits:

| <b>COLLEGE COURSES - Year 1</b>                               | <b>CREDITS</b> |
|---|----------------|
| <i>DSL 1010 – Diesel Engine Theory/Lab</i>                    | 4              |
| <i>DSL 1410 – Diesel Electrical/Electronic Systems Lab I</i>  | 4              |
| <b>TOTAL</b>  | <b>8</b>       |
| <b>COLLEGE COURSES - Year 2</b>                               | <b>CREDITS</b> |
| <i>DSL 1420 – Diesel Electrical/Electronic Systems Lab II</i> | 4              |
| <i>DSL 1710 – Diesel Engine Repair/Lab</i>                    | 4              |
| <b>TOTAL</b>  | <b>8</b>       |


|  <b>Course No. S1/S2</b> | <b>Course Name</b>                   | <b>Grade Level</b> | <b>Credit</b> |
|---|--------------------------------------|--------------------|---------------|
| <b>HS4099QA/HS4099QB</b>  | <b>EE – Circuits and Electronics</b> | <b>11-12</b>       | <b>2</b>      |

 Students will earn high school credits and also earn training hours that can lead to apprenticeship opportunities.

Greater Michigan Construction Academy provides high school students in the two-year Electrical Program introducing students to electrical safety, electrical theory, proper use of tools and equipment, circuits, breakers and fuses, residential wiring, reading electrical blue prints, wiring devices, lighting circuits, conductors and cables, soldering and splicing techniques, low-voltage switching, load calculations, and residential services. Students will learn employment, communications, professionalism and trade skills necessary for entry-level employment. Students will engage in a variety of activities that balance direct instruction and training with actual hands-on experiences. Students also have the opportunity to earn an OSHA 10 Certification.

|  <b>Course No. S1/S2</b> | <b>Course Name</b> | <b>Grade Level</b> | <b>Credit</b> |
|---|--------------------|--------------------|---------------|
| <b>HS4023QA/HS4020QB</b>  | <b>Welding</b>     | <b>11-12</b>       | <b>2</b>      |

☒ Prerequisite: (1) Application required, (2) students must have completed the 10<sup>th</sup> grade of high school, and (3) have a minimum of a 2.5 GPA.

 Students can begin the online application process by making an appointment to meet with their school counselor, [ReachHigherOHS.org/support](http://ReachHigherOHS.org/support).

Welders use welding equipment to join metal parts or fill holes, indentions, or seams in metal products. Anything made of metal can be welded: cars, trucks, aircraft, skyscrapers, bridges, pipes, sculptures, and more. The basic Skills of welding are the same across industries so the more you know how to do, the easier it is to shift to other types of work.

➔ **IMPORTANT PROGRAM - TAKE NOTE:**

- ✓ An associate degree program in industrial and Manufacturing Technology from the College of Engineering is available to students after graduating from the Welding certificate program.
- ✓ Students can complete the Certificate for Welding by enrolling in the WELD 2960 – Welding Certification I and II SMAW and GMAW Processes in the summer after graduating from high school. Total credits: 2.
- ✓ Summer Semester payment is not provided by the school district. Scholarship opportunities and financial aid will be presented to students who wish to complete the Welding Certificate Program.



**COLLEGE CREDITS** – In addition to high school credits, students will earn the following Baker College credits:

| <b>COLLEGE COURSES - Year 1</b>                   | <b>CREDITS</b>  |
|---|-----------------|
| <i>WELD – 1110 – Cutting and Oxy-Fuel Welding</i> | <i>3</i>        |
| <i>WELD – 1010 – Welding Principles</i>           | <i>4</i>        |
| <i><b>Total</b></i>                               | <i><b>7</b></i> |
| <b>COLLEGE COURSES - Year 2</b>                   | <b>CREDITS</b>  |
| <i>WELD – ENG 1010 Composition I</i>              | <i>3</i>        |
| <i>WELD – 1210 – Gas Tungsten Arc Welding</i>     | <i>4</i>        |
| <i><b>Total</b></i>                               | <i><b>7</b></i> |

## **SRES D EARLY MIDDLE COLLEGE PROGRAM**

### **GRADE LEVEL: 11TH GRADE THROUGH 13TH GRADE**

⌘ If student quits during college semester, parents will have to cover payment of tuition.

This is a public, tuition-free 3 year accelerated program integrated with high school and college courses.

▪ Student may complete the program with an:

Associate's degree or

Technical certificate, or

Transfer credits to a Community College or university (excluding University of Michigan-Ann Arbor and Michigan State University). Students need to look carefully at their Educational Development Plan with their counselor and parents to determine if they would like to register

Students may earn up to 62 college credits while completing all high school Requirements

**Eligibility:** Students that entered 11th or 12th grade in the fall of 2014 and registered in a Shiawassee County high school. Be recommended by their high school counselor or principal. Students must submit a completed application to the high school. Student must meet the GPA requirement of 2.5 or higher, an ACT composite score of "20", and have taken the placement assessment for that college if needed.

**Requirements:** students will also be required to complete the Michigan Early/Middle College Association Technical Certificate with the completion of the following:

1. Owosso Public Schools approved College Readiness Curriculum (including the Michigan High School Merit Curriculum)
2. Minimum completion of 15 semester college credits with a 2.0 GPA or higher (30 quarter credits at Baker College)
3. 100 hours of verified community service OR at least 40 hours of verified career exploration, internship, job shadowing or clinical experience.

Students will still be allowed to take part in all high school activities including band, sports, clubs, and dances at the local high schools during their 9th through 12th grade years.

Shiawassee Early College Program (SECP) students will be allowed to walk at their high school graduation ceremony along with their classmates. Their high school diploma will be awarded at the same time as the student's completion of the program (end of the 13th grade year) by their local school district.

➔ Important Course Considerations:

- ✓ Students will attend classes on the college campus in the 13<sup>th</sup> year, have online experiences included in the program and will be able to enter college early and exit college early.
- ✓ Students begin college course work while still in the high school starting with 11<sup>th</sup> grade.

## STUDENT MENTOR PROGRAM

|  Course No. S1/S2 | Course Name    | Grade Level | Credit |
|--|----------------|-------------|--------|
| HS0182QA/HS0182QB  | Trojan Mentors | 11-12       | ½ - 1  |

☒ Prerequisite: Administrator/Counselor Approval Only

☐ Can be taken for a semester or full year.

The Trojan Mentor Program is a semester or a full year class where students take upon the role of tutor and adviser for two to four students. Here students will learn to become empathetic helpers as they create academic goals for their students, reflect on personal strengths and weaknesses as a helper, and seek out information and advice from other helpers. Mentors will be expected to meet on Fridays with their advisor during their designated classroom period.

✦ Program Opportunities:

- o Arts and Communication
- o Business, Management, Marketing and Technology
- o Human Services
- o Health Services

## STUDENT SELF HELP

|  Course No. S1/S2 | Course Name                         | Grade Level | Credit |
|--|-------------------------------------|-------------|--------|
| HS0143QA/HS0143QB  | Approaches to Learning I through IV | 9-12        | 1      |

☒ Prerequisite: Administrator/Counselor Approval Only

This course identifies students who need assistance with organization of course work, projects, assignments and assessments. Students are expected to have good attendance and work on materials for the other 6 courses they have in the Approaches to Learning course. The instructor will expect students to provide daily work on materials for each of their courses. The instructor will have access to the PowerSchool page that provide live grades and information about the assignments due and the grades received for their assignments. Students will spend time learning time management skills, how to keep track of assignments and how to advocate for themselves with regards to their learning and assignments. Student can receive a ½ elective credit for the course based on their work ethic, improvement with completion of assignments and getting things done prior or on the due date.

## WORK-BASED LEARNING PROGRAM

|  Course No. S1/S2 | Course Name            | Grade Level | Credit  |
|--|------------------------|-------------|---------|
| HS0135QA/HS0135QB  | Co-Operative Education | 11-12       | 0.5-3.0 |

☒ Prerequisite: Instructor Approval Required



Take Note:

- o Specific employment guidelines must be met to be eligible to participate on the Co-op Program.
- o Work Permit Required

Co-operative (Co-op) Education is an opportunity for students develop new skills as they explore a career related to their EDP plan. This allows students to combine the experience of working in a career-related, paid or unpaid position as well as attend school. Students in 11th grade may apply for a maximum of 1 hour/semester of co-op. Students in 12th grade may apply for a maximum of 3 hours/semester of co-op. Students who participate in this program will be expected to complete course requirements and assignments through an online environment.

## APPENDICES

- ⦿ **APPENDIX A: 4 YEAR PLAN**
- ⦿ **APPENDIX B: CREDIT/NO CREDIT REQUEST FORM**
- ⦿ **APPENDIX C: BENCHMARKS FOR ONLINE LEARNING AND DUAL ENROLLMENT**
- ⦿ **APPENDIX D: DUAL ENROLLMENT EVALUATION FORM**
- ⦿ **APPENDIX E: CTE CREDITS AVAILABLE**
- ⦿ **APPENDIX F: CTE/CO-OP APPLICATION**
- ⦿ **APPENDIX G: APPLICATION FOR EARLY GRADUATION**

## Ⓢ **APPENDIX A: 4 YEAR PLAN**

Name \_\_\_\_\_

| <b><u>9<sup>th</sup> Grade</u></b>  | <b><u>10<sup>th</sup> Grade</u></b>   |
|---|---|
| 1. Language & Literature 9 or Language & Literature 9H  | 1. Language & Literature 10 or Language & Literature 10H  |
| 2. Math (_____)   | 2. Math (_____)   |
| 3. Life Science 9 or Life Science 9 H   | 3. Chemistry H or Chemistry, select the science pathway to follow –Agri-Science, Biomedical, Engineering, Honors or Traditional |
| 4. U.S History or U.S History H   | 4. World History, World History H, AP World History   |
| 5. _____  | 5. _____  |
| 6. _____  | 6. _____  |
| 7. _____  | 7. _____  |
| <b><u>11<sup>th</sup> Grade</u></b>   | <b><u>12<sup>th</sup> Grade</u></b>   |
| 1. Language & Literature 11, Language & Literature 11H or AP English Language/Composition, Lit Theater Arts | 1. Language & Literature 12, Language & Literature 12H, AP English Literature/Composition, or CTE Completer                     |
| 2. Math (_____)   | 2. Math (_____)   |
| 3. Follow Science Pathway _____   | 3. _____  |
| 4. Economics/Civics or AP Gov't   | 4. _____  |
| 5. _____  | 5. _____  |
| 6. _____  | 6. _____  |
| 7. _____  | 7. _____  |

**Note: All students must also take the following credits:**

- ☒ online experience requirement
- ☒ ½ credit of health
- ☒ ½ credit of physical education; there are alternative ways to earn the credit
- ☒ 2 credits of foreign language: students may have completed one-year in middle school; there are alternative ways to earn the second credit; and highly selective colleges/universities require 2 years of the *same* foreign language (e.g., Spanish 1 and Spanish 2)



Ⓢ APPENDIX B: CREDIT/NO CREDIT REQUEST FORM

## Owosso High School - Credit/No Credit (CR/NC) Request Form

**ALERT: CR/NC request must be made within the first (20) full days of each semester.**

Today's Date: \_\_\_\_\_ Name: \_\_\_\_\_ Grade Level: \_\_\_\_\_

Applicable Term Year & Semester(s): 20\_\_\_\_ - 20\_\_\_\_ +      • S1      • S2

Course Name: \_\_\_\_\_ Teacher Name: \_\_\_\_\_

Students, after consulting with teachers, and with the approval of their parent(s)/guardian(s), may request placement on a CR/NC system for any combination of one credit during the indicated school year. The CR/NC program is designed to encourage a student's enrollment in courses where one might not ordinarily enroll.

**All of the Following Applies:**

1. A CR/NC request must be made within the first (20) full days of each semester.
2. This completed form must be submitted to the counselor no later than the first twenty (20) full school days of each semester.
3. Although a letter grade may show on progress reports and report cards, the transcript will show either a passing or failing grad in the following format: CR/NC does not impact the grade point average (GPA).
  - Passing = "CR"      • Failing = "NC"
4. The grading guidelines for CR/NC will be the same as taking the course for a letter grade.
5. It is the teacher's option to cancel the CR/NC status for a student whose performance is counterproductive to the goals of the CR/NC program and/or inappropriate for the classroom. In this case, the student will be placed on the traditional letter grade status, with the permission of the principal.
6. CR/NC only applies to the courses taken while attending Owosso High School and will not apply to the 5<sup>th</sup> year early college course held back for high school diploma.

**Required Signatures:**

Student Signature: \_\_\_\_\_ Teacher Signature: \_\_\_\_\_

Parent/Guardian 1 Name/Signature: \_\_\_\_\_ / \_\_\_\_\_

Parent/Guardian 2 Name/Signature: \_\_\_\_\_ / \_\_\_\_\_

Counselor Name/Signature: \_\_\_\_\_ / \_\_\_\_\_

Principal Name/Signature: \_\_\_\_\_ / \_\_\_\_\_

Completed Form Distribution Policy:  
Original copy filed in student's CA60  
Copy to counselor  
Copy to SSC secretary







**Owosso High School  
College/Career Readiness Benchmarks  
Dual Enrollment Prerequisite Benchmarks**

Student must meet the benchmark in the curriculum they are wanting to dual enroll in to be able to have the State of Michigan reimburse their tuition.

| <b>SAT College Benchmark</b> | <b>EBRW</b> | <b>Math</b> |
|------------------------------|-------------|-------------|
| <b>SAT</b>                   | <b>480</b>  | <b>530</b>  |
| <b>Gr. 11</b>                | <b>460</b>  | <b>510</b>  |
| <b>Gr. 10</b>                | <b>430</b>  | <b>480</b>  |
| <b>Gr. 9</b>                 | <b>410</b>  | <b>450</b>  |



© **APPENDIX D: DUAL ENROLLMENT EVALUATION FORM**

## Owosso High School - Dual Enrollment Evaluation Form

**Student's Name:** \_\_\_\_\_

**Teacher:** \_\_\_\_\_

| Dual Enrollment Evaluation       | 1                            | 2                             | 3                                   | 4                                     | Score |
|----------------------------------|------------------------------|-------------------------------|-------------------------------------|---------------------------------------|-------|
| Attendance at School             | Misses more than 10          | Misses 6 through 10 days/yr   | Misses 1 to 5 days/yr               | Perfect                               |       |
| Willingness to comply with rules | Unacceptable                 | Poor                          | Good                                | Great                                 |       |
| Well prepared and organized      | Never                        | Rarely                        | Sometimes                           | Often                                 |       |
| Takes initiative/ self-starter   | Never                        | Rarely                        | Sometimes                           | Often                                 |       |
| Retention                        | Not likely                   | Somewhat likely               | Likely                              | Very likely                           |       |
| Accepts constructive feedback    | Never                        | Rarely                        | Sometimes                           | Often                                 |       |
| Works with minimal supervision   | Needs one on one supervision | Needs significant supervision | Needs to be checked on occasionally | Can work with very little supervision |       |
| Temperament/Conflict resolution  | Poor                         | Ok                            | Good                                | Excellent                             |       |
|                                  |                              |                               |                                     | <b>TOTAL:</b>                         |       |
| Staff Comments:                  |                              |                               |                                     |                                       |       |



## OHS CAREER AND TECHNICAL EDUCATION (CTE) ACADEMIC CREDIT OPTIONS in 10<sup>th</sup>-12<sup>th</sup> GRADES

| CTE Course  | Course Sequence | English<br>12<br>Credits <sup>1,3</sup> | Math Credits                                |                            | Science Credits   |  | Visual,<br>Performing<br>Arts, &<br>Applied<br>Arts Credit | 2 <sup>nd</sup> Year of<br>World<br>Language<br>Credit <sup>3</sup> | Online<br>Experience |
|---|-----------------|---|---|----------------------------|---|--|--|---|----------------------|
|   |                 |   | 4 <sup>th</sup> Year<br>Math <sup>1,2</sup> | Algebra<br>II <sup>3</sup> | Chemistry,<br>Physics,<br>Anatomy, or<br>Agri. Science <sup>3</sup> | 3 <sup>rd</sup> Sci<br>Other<br>Science <sup>3</sup> |  |   |                      |
| Agricultural Science - Zoology                        | 1               |   | X   |                            |   |  | X  |   | X                    |
| Agricultural Science - Botany <sup>5</sup>            | 2               |   | X   | X                          | X - Agri. Sci.  | X  | X  | X   | X                    |
| Natural Resources <sup>5</sup>                        | 3               |   | X   |                            |   | X  | X  | X   | X                    |
| Agricultural Science<br>Capstone <sup>4,5</sup>       | 4               |   | X   |                            |   | X  | X  | X   | X                    |
| Sports & Entertainment<br>Marketing I/II              | 2/3             | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |
| Marketing: Store Operations<br>I/II                   | 2/3             | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |
| Entrepreneurship &<br>Innovation <sup>5</sup>         | 2               | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |
| Adv. Entrepreneurship &<br>Innovation <sup>4,5</sup>  | 3               | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |
| Entrepreneurial Management<br>Capstone <sup>4,5</sup> | 4               | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |
| Home Improvement                                      | 1               |   | X   |                            |   |  | X  |   | X                    |
| Construction Trades <sup>4,5</sup>                    | 2               | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |
| Advanced Construction <sup>4,5</sup>                  | 3               | X <sup>6</sup>                          | X   |                            |   | X  |  | X   | X                    |
| Culinary I  | 1               |   | X   |                            |   |  | X  |   | X                    |
| Culinary II <sup>5</sup>                              | 2               | X                                       | X   |                            |   | X  | X  | X   | X                    |
| Sous Chefs  | 3               | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |
| Chef de Cuisine <sup>5</sup>                          | 4               | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |

## Ⓞ APPENDIX E: CTE CREDITS AVAILABLE

### OHS CTE ACADEMIC CREDIT OPTIONS in 10<sup>th</sup>-12<sup>th</sup> GRADES (continued)

| CTE Course  | Course Sequence | English<br>12<br>Credits <sup>1,3</sup> | Math Credits                                |                            | Science Credits   |  | Visual,<br>Performing<br>Arts, &<br>Applied<br>Arts Credit | 2 <sup>nd</sup> Year<br>of World<br>Language<br>Credit <sup>3</sup> | Online<br>Experience |
|---|-----------------|---|---|----------------------------|---|--|--|---|----------------------|
|   |                 |   | 4 <sup>th</sup> Year<br>Math <sup>1,2</sup> | Algebra<br>II <sup>3</sup> | Chemistry,<br>Physics,<br>Anatomy, or<br>Agri. Science <sup>3</sup> | 3 <sup>rd</sup> Sci<br>Other<br>Science <sup>3</sup> |  |   |                      |
| Careers in Education  | 1               | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |
| Student Teacher <sup>4,5</sup>  | 2               | X <sup>6</sup>                          | X   |                            |   |  |  |   |                      |
| STEM Exploration  | 1               |   | X   |                            |   |  | X  |   | X                    |
| Intro to Engineering Design   | 2               | X <sup>6</sup>                          | X   | X                          |   | X  | X  | X   | X                    |
| Principles of Engineering <sup>5</sup>                                | 3               | X <sup>6</sup>                          | X   | X                          |   | X  | X  | X   | X                    |
| Engineering Capstone <sup>4,5</sup>                                   | 4               | X <sup>6</sup>                          | X   |                            |   | X  | X  | X   | X                    |
| Wood Technology I   | 1               |   | X   |                            |   |  | X  |   | X                    |
| Wood Technology II <sup>5</sup>                                       | 2               |   | X   |                            |   | X  | X  | X   | X                    |
| Wood Technology Challenge <sup>5</sup>                                | 3               |   | X   |                            |   | X  | X  | X   | X                    |
| Wood Technology Lab <sup>5</sup>                                      | 3               |   | X   |                            |   | X  | X  | X   | X                    |
| <b>NOTES</b>  |                 |   |   |                            |   |  |  |   |                      |
| 1 → Must take course in 12 <sup>th</sup> grade year                   |                 |   | 4 → 2-hour block                            |                            |   |  |  |   |                      |
| 2 → Must have already passed Algebra II                               |                 |   | 5 → Must be approved by instructor          |                            |   |  |  |   |                      |
| 3 → Must be a completer of an approved CTE Program additional credits |                 |   | 6 → Additional online work required         |                            |   |  |  |   |                      |

## ⊙ APPENDIX F: CTE/CO-OP APPLICATION

CTE Coordinator:  
Mrs. C. Warning  
Owosso High School  
(989) 729-5516  
warning@owosso.k12.mi.us



### **WORK-BASED LEARNING / CO-OP INTEREST FORM**

(11<sup>th</sup> and 12<sup>th</sup> grade students may apply.)

#### **Student Information**

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Email Address: \_\_\_\_\_ Grade Level: \_\_\_\_\_

Street Address: \_\_\_\_\_ City: \_\_\_\_\_ Zip Code: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Dr. Lic. #: \_\_\_\_\_ Student #: \_\_\_\_\_

Birthdate: \_\_\_\_\_ Age: \_\_\_\_\_ Career Pathway (EDP): \_\_\_\_\_

List your future career/educational plans: \_\_\_\_\_

Have you already located a work site for your CO-OP experience you want us to consider?

\_\_\_\_\_

#### **Parent/Guardian Information**

Last Name: \_\_\_\_\_ First Name: \_\_\_\_\_

Home Phone: \_\_\_\_\_ Cell Phone: \_\_\_\_\_

Email Address: \_\_\_\_\_

#### **Student & Parent Acknowledgement**

By signing below, the student and parent acknowledge that they have reviewed and agree to abide by all school rules and all the rules outlined in the Work-Based Learning Handbook. Students will be required to complete all WBL(Co-op) paperwork, pre-work assignments, and job interview prior to starting Co-op job during school hours. Student will follow full school schedule until they are given full approval by WBL Coordinator, counselor, employer and principal.

\_\_\_\_\_

Student Signature

Date

\_\_\_\_\_

Parent/Guardian Signature

Date

#### **Counselor Approval**

By signing this form, your counselor is acknowledging that you should be considered for a CO-OP position.  
NOTE: They will review grades, attendance, behavior and discipline, and other records.

\_\_\_\_\_

Counselor Signature

Date





© **APPENDIX G: APPLICATION FOR EARLY GRADUATION**

**Owosso High School - Early Graduation Application Form**

Application for early graduation will be submitted to the Superintendent accordance with school regulations. The principal may honor this request if all conditions for graduation are met and the student fulfills the graduation Requirements

1. Will the student have completed 7 semesters in grades 9-12?
2. Will the student have completed the required amount of credits for graduation at the conclusion of 7<sup>th</sup> semester?
3. Will the student have completed all of the required courses for graduation?
4. The student and parent acknowledge the following:
  - a. The application must be submitted prior to May 1<sup>st</sup> of Junior Year.
  - b. Understand that all senior year privileges (Prom, Honors Night, etc.) with the exception of Commencement are forfeited.
  - c. A conference between the applicant, parent, counselor and principal must take place prior to the end of junior year.

Name of Student: \_\_\_\_\_ Date: \_\_\_\_\_

Student Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Parent Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Counselor Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Principal's Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Superintendent Signature: \_\_\_\_\_ Date: \_\_\_\_\_



## GLOSSARY

**Associate's Degree (AA)** – Degree typically awarded to students who complete a two-year period of study at a college. These degrees are often required for technical fields, but students can also pursue two-year degrees in business or other professional careers. Students can earn an associate degree at any of Michigan's two-year and technical college. Students who earn an associate degree are often eligible for many financial aid programs.

**Academic Program** – Students, through Xello, explore course curriculum, interests, and possible employment, select courses that match over a 2-3 year period. This cluster of courses allows students to experience and learn about a specific major interest in the career field.

**Accommodated** - Tests, quizzes and assignments that are given various assistive devices or tools to provide the student another form of demonstrating mastery of the subject matter or unit of study.

**Advanced Placement (AP)** – Many high schools offer one or more advanced placement courses, which are designed to be taught at college-level thinking and analyzing, allowing students to broaden their knowledge, as well as potentially earning college credit (if scores are high enough on the advanced placement subject test).

**Articulated Credit** - Process of granting college credit for high school coursework. The classes are taken at your high school or your school district's technical education center. CTE programs must have some kind of agreement between their program and a post-secondary school.

**Attendance Waiver** – Students who exceed the eleven absences due to medical reasons can submit a waiver form. Check main office for submission dates. The committee meets the last Thursday of each Semester. All doctor excuses and notes should be submitted to counselor prior to that date.

**Award Letter** – Received from the college or university a student has applied and been accepted to and indicates the amount of financial aid that will be given to the student each year. This can be in the form of grants (some of which the money does not have to be paid back), scholarships which are monetary awards that do not have to be paid back or loans which are just that loans that students and/or parents would have to pay back at some point. The student and parents would determine which if any part of the awards they are willing to accept by speaking with the financial aid advisor of that college.

**BA/Bachelor's Degree** – Degree typically awarded to students who complete a four-year period of study at a college or university. Students pursuing a bachelor's degree take classes in their career field and in general education subject areas. Bachelor degree students also often qualify for state and federal financial aid programs.

**Capstone** – A capstone project is a multifaceted assignment that serves as a culminating academic and intellectual experience for students at the end of an academic program or learning-pathway experience. While similar in some ways to a college thesis, capstone projects may take a wide variety of forms, but most are long-term investigative projects that culminate in a final product, presentation, or performance.

**Career and College Readiness** – Indicates to the parent or student the criteria for successfully participating or managing a post-secondary institution program has been met.

**Career and College Readiness Benchmarks** – Test scores students should try to achieve on the SAT or ACT assessments as those bench mark scores indicate the student will be able to successfully complete a program of study or degree from the college.

**Career Objective** – Students create objectives to reach throughout their time in high school that speaks to a specific goal to enter a career or be employed within a specific job.

**Career Pathway** – Integrated collection of programs and services intended to develop students' core academic, technical and employability skills; provide them with continuous education, training; and place them in high-demand, high-opportunity jobs. These are the six pathways recognized: Arts and Communication, Business, Management, Marketing & Technology, Engineering/Manufacturing and Industrial Technology, Agri-Science and Natural Resources, Human Services, Health Sciences.

**Career Technical Education (CTE)** – A term that refers to an education pathway that provides students with the academic, technical, and real-world knowledge, skills and experience they need to be prepared for a variety of career options.

**Certificate Programs** – Specialized plans of study that are usually intended for students planning to pursue a skilled trade. Most of these programs can be completed in a matter of months, and Michigan's public community and technical colleges offer several certificate programs throughout the year. Additionally, some employers and/or trade groups offer such programs. MCAN defines a quality certificate as being accredited, transferrable, being recognized by employers as having value in the labor market, and accepting Title IV federal financial aid.

**College Admissions Test** – Assessments given to students and used by college admissions advisors in determining admission to their institution and potential success. For the State of Michigan this assessment could be the SAT test which all juniors take in the spring each year, or it could be the ACT assessment that can be taken on a Saturday on specific national test dates set by the ACT company. The scores indicate the potential success students would have to complete a degree at a post-secondary institution.

**College Essay** – Critical writing assignment that is part of the requirements for many college admissions applications. Students often have a choice of essay topics. The goal in writing an essay should be to open a window into the writer's personality showing (rather than telling) the reader who they are and why they would make an ideal candidate for admission. Take the time to plan, write, edit, rewrite, edit, rewrite, and proof the essay(s)—and make sure to actually answer the question!

**College Interview** – A large number of students don't ever complete an interview, and it certainly is not a deciding factor in their admissions status, but a college interview makes sense if an applicant's credentials make a borderline candidate for admission. A college interview can serve as a chance to impress someone from the admissions office as well as a chance to ask questions, even so, tough questions about the college. Applicants too far away to travel to on-campus interviews should consider arranging to meet with an admissions counselor if they travel annually to the area or meet with an alumnus in the community.

**College Placement Test** – An assessment usually given prior to orientation or at orientation to determine a students' level of reading and mathematics with regards to a successful transition into the college/training institution. Students who do not meet a specific level in these areas would have to take a remedial course that is not going to count as credit toward the degree. Once the student through the remedial course is able to meet the level needed for success, then the student would enroll into the course that provides credit toward a degree or certificate.

**Common App/Common Application** – This is a time-saving device for students applying to any of the more than 300 colleges that participate in the program run by the non-profit The Common Application organization, [www.commonapp.org](http://www.commonapp.org). Students can apply online or use the print version, spending less time on the busywork of completing multiple admission application forms, and more time on other elements of college-planning. Supplemental materials may be submitted for certain schools in addition to the Common App.

**Core Academics** – Refers to the following course types: language & literature, social studies, math, science, foreign language curricula, and sometimes the arts are included.

**Credit Recovery** - Students can recover credit toward their high school diploma if they have gone below the required amount toward graduation. On campus Summer School Credit Recovery courses are available to students seeking to recover core courses they did not successfully complete. Speak with the counselor about arranging this class as it does require counselor or administrator approval.

**Critical Thinking** – The trained ability to think clearly and dispassionately. Critical thinking is logical thinking based on sound evidence, involving the ability to gather and analyze information and solve problems.

**Early Action** – An emerging trend in admissions that allows students to apply for admission to the college of their choice early and receive a decision within a few months, well in advance of the normal response dates in the spring. Unlike Early Decision, students are not committed to enroll at that particular institution, allowing for the comparison of offers from other colleges prior to making a final college decision. Note: Applications are due much earlier for early decision requests and require more planning. Compare to regular admissions.

**Early Decision** – A *binding* agreement between the student and the college that basically states that, if accepted, the student *agrees* to attend the college. Students are permitted to submit applications to other colleges before an early decision offer is received, however, once an early decision offer is accepted by a student they are asked to withdraw all other college applications. Early decision is a great idea for students certain of their college choice. Note: Applications are due much earlier for early decision requests and require more planning, compared to regular admissions.

Early Middle College (EMC) -

**Educational Development Plan (EDP)** – Using their Xello account students create their EDP beginning in the 7th grade. An EDP is required by the Michigan Merit Curriculum or by taking the PSAT test in grades 9 and 10. EDP's are a planning tool for students to outline their curriculum plan throughout high school, plan for college, employment exploration and career/job projections of employment.

**Extra-curricular Activities** – Any activities that are school related occurring after the school day. Some activities can be with organization outside of the school system.

**Free Application for Federal Student Aid (FAFSA)** – An application completed by students and their parents in the fall of their senior year. All students must submit this application in order to apply for virtually all types of financial aid (federal, state, or institutional) for post-secondary/higher education/trade school. This form is distributed and processed by the United States Department of Education and should be completed prior to December 1st of the senior year. The application allows the Federal, State and attending college to determine the amount of free money, if any, to assist with payment of attending that college. The application also allows the college to provide information regarding eligibility, if any, for federally subsidized low interest rate student/parent PLUS Loans.

**Federal Direct Stafford Loans** – Available to undergraduate and graduate students (subsidized and unsubsidized) attending college at least half-time. These loans will need to be repaid. To apply for Federal Direct Loans, a student will need to file the FAFSA. All students with a valid FAFSA on file are eligible for unsubsidized student loans (within yearly and overall loan limits), no matter their family income. Subsidized loans require that students show a certain amount of financial need on the FAFSA in order to be eligible.

**Federal Perkins Loans** – Available to undergraduate and graduate students with exceptional financial need (however, not all colleges participate in this program—check with individual schools if students believe they are eligible). These loans will need to be repaid. Funds for Perkins Loans are limited, so not everyone who applies will receive this type of aid. The earlier a student files their FAFSA (a requirement to receive a Perkins Loan) the more likely they are to receive this type of aid. Perkins Loans are meant to provide aid when all other sources of financial aid have been exhausted.

**Federal Work-Study Programs** – Offered by colleges to help some students pay for college by working part-time. Students may be employed by: the institution itself; a federal, state, or local public agency; a private nonprofit organization; or a private for-profit organization. Students must file the FAFSA as part of the Federal Work-Study application process and are required to show a certain amount of financial need to be eligible.

**Fee Waiver** – A waiver of the full cost of a service, test, course due to a qualifying indicator. Students for example who are on the free/reduced lunch program would be eligible for fee waivers (reduction in the cost of program). If a student takes an AP Course they would have a fee waiver which means instead of costing \$93.00 to take the AP exam it would only cost \$62.00.

**First Generation** – A student whose identified as the first in the immediate family to attend and complete a degree or certificate at a post-secondary institution.

**Grade Level Advisory Day (GLAD)** - The GLAD program is a schedule hour when students meet with their mentor teacher to learn about relationships, life skills, test prep for the Michigan Merit Exam, work on their Personal Project and various other items. Grade Level groups meet to develop the various guest speakers or video information that might occur during this time and make sure students are given time to work on the grade level projects if necessary.

**Grade Point Average (GPA)** – There are two types of GPAs. An unweighted version is simply the average grade earned in all courses to-date while a weighted average takes into account both the degree of difficulty of the courses (Advanced Placement, Honors, IB) and the grade earned in those courses.

**Graduate Degree** – Refers to a degree earned beyond the initial certificate or degree earned after 4 years of post-secondary education.

**Honors Course** – These are identified as courses like Advanced Placement (AP) and International Baccalaureate (IB) courses, assumed to be taught at a higher level than traditional high school courses, completing work at the college level, and typically designed for students in grades 11 and 12.

**International Baccalaureate Program** – One of the three types of “advanced” classes (the other two being Honors and Advanced Placement [AP] classes), the IB program is of the highest level of difficulty, partly because it is a systematic program of study—with all classes taught at the highest level. A truly international program of excellence, IB students learn how to ask challenging questions, develop a strong sense of their own identity and culture, and gain the ability to communicate and understand people for other countries and cultures.

**Institutional Aid** – May be provided by public and private colleges and universities to help their students pay for tuition and fees. Institutional aid does not need to be repaid, and aid amounts can vary based on many factors such as school selectivity, institutional endowments, and individual need of students. Institutional aid typically requires a filed FAFSA.

**Learning Style** – Modes of learning that reflect individuals’ natural and sometimes trained traits such as: visual, verbal, tactile, kinesthetic, or auditory.

**Merit-Based Financial Aid** – Financial aid that is offered based on academic excellence, artistic talent or ability, or demonstrated achievement in extra-curricular activities—instead of financial need (need-based aid). Money for education awarded through contests, competitions, or certain scholarships is an example of merit-based aid.

**Mentor** – A trusted counselor or teacher, someone who is respected in a specific area of work or study.

**MDE/Michigan Department of Education** - State agency of Michigan overseeing public school districts in the state. The department is governed by the State Board of Education.

**MMC/Michigan Merit Curriculum** – Outline of courses required to receive a high school diploma.

**MME/Michigan Merit Exam** – Assessment program gives an indication of the progress students are making toward college and career readiness benchmarks. There are three separate assessments and combined give a scale score indicating if a student(s) are on track for success in the post-secondary education world.

**National FFA Organization (FFA)** – National Future Farmers of America Organization is the premier youth organization preparing members for leadership and careers in the science, business and technology of agriculture.

**NGSS/Next Generation Science Standards** – Michigan science standards adopted that provide opportunity to improve science learning, but also to improve literacy and thinking skills.

**Off Track** – Refers to when a student credit accumulation drops below the required amount of credits need to be on a path toward receiving their high school diploma. As a 10th grader student MUST complete the year with at least 10 credits to be on track to graduate; as an 11th grade student they must complete their junior year with at least 17 credits to be on track to be a senior. For 9th grade students to be considered a 10th grader at the end of their Freshman year they need to have received 3 credits.

**Online or Hybrid Courses** – Students can take their course over the internet. The instructor works with the students through computer and internet access. These courses require students to have study habits such as self-motivated, independently able to work on materials without an instructor present every day. Student can set up a time to work on the materials and get assignments done without the instructor there in the classroom. These are very challenging courses due to the fact that the students have to be self-disciplined to work on the assignments every day. Students who procrastinate should not consider online courses.

**Pell Grant** – Must file a FAFSA. Provides need-based grant to low-income undergraduates. These funds do not need to be repaid by the student unless they withdraw from or stop attending classes within an enrollment period. Grant amounts are dependent on the student's expected family contribution.

**PLUS Loans** – Federally based loans parents of dependent undergraduate students can use to help pay their student's education expenses. Requires filing for FAFSA, is credit based and must be repaid.

**Post-secondary Education** – Any education and training toward job skills and employment that occurs beyond high school graduation.

**Program Completer** – Students who take a 2-year program of classes within a specific department to complete the academic credits earned as a result of completing the courses within that career and technical education department.

**Reach Higher OHS** – The high school counselors' website, [www.reachhigherohs.org](http://www.reachhigherohs.org), created for students, parents, and the Owosso community to provide information on high school programming, resources in our community, opportunities for students as well as educating the parents and community on the wealth of information students and parents need to be prepared for a successful post-secondary experience and entry in a career or job market or the military.

**Scholarships** – Awarded based on varying criteria and do not need to be repaid. Filling out the FAFSA does not automatically act as a scholarship application, but many scholarships require an EFC calculated from the FAFSA in the application. The high school's local scholarship database is online at [www.reachhigherohs.org/scholarship](http://www.reachhigherohs.org/scholarship).

**Special Programs** – There are many new instructional experiences available to students through Owosso High School. The special programs involve various exploratory experiences as well as dual enrollment opportunities to earn college credit or even an associate degree in the 5th year of Early Middle College education. Students need to look carefully at the curriculum guide to see the various programs of study they can access in the 4 years they are at Owosso High School.

**Secondary Education** – Starts upon completion of basic education (K-5), it begins with grades 6-8. Education at the 9th to 12th grade levels shows more subjects may be dropped, and an increase in specializing into programs of study occurs. The educational focus is varied according to future direction of the student, and their interests.

**State Aid** – May be available to students who attend a college in their state of residence. Some examples of state aid in Michigan are the Tuition Incentive Program (TIP), the Michigan Competitive Scholarship, and the Michigan Tuition Grant. State aid typically requires the FAFSA and does not need to be repaid.

**Science-Technology-Engineering-Arts-Math (STEAM)** – The integration of the arts (design and visual and performing arts) into a STEM curriculum (see STEM below).

**Science-Technology-Engineering-Math (STEM)** – The integration of Science, Technology, Engineering, and Math in an applied and interconnected way.

**Testing Out** - Program that allows students to take the final exam of a specific core curriculum to see if they can move to the next grade level subject and accelerate through the curriculum. Students must take the exam on a specific day in August and must reach at least 80% mastery of the exam to receive the waiver to take the course.

**Transcript** – Official record indicating the courses taken and the grade the student received in that course along with the year the course was taken and at what school it was taken. Students use this document as a record of the credits they have earned toward a diploma and also to submit with the college application to demonstrate to the colleges their ability to do college level work.

**Undergraduate** – Refers to students at the post-secondary level that have not yet received a degree or certificate at the college or university.

**Volunteer Activities** – Students take time after school to provide a service to an individual or organization to assist with tasks for the person or organization. The hours spent helping are monitored and put on college applications and/or work applications to show the student has a sense of community as a part of their character. Giving back to others is a value they demonstrate.

**Work-based Learning** – Students are scheduled into a work experience program that allows them to receive pay while working with the employer. Many know this as a Co-op experience. Students find an employer willing to hire them and then students can apply for the Co-op experience through their counselor. Students must meet certain criteria and complete an application prior to scheduling students. Students interested in trying a work-based learning experience should contact their counselor early in the registration process.

**Xello** – Online software program providing students and parents with the ability to explore learning style, career exploration, resume development, test preparation, high school planning, and post-secondary planning. Parents also have a login portal of your own to access their child's Education Development Plan (EDP). Parents may also choose to create an EDP for themselves to explore their own opportunities.