

# **ST. JOHNS HIGH SCHOOL**

## **CURRICULUM GUIDE**

### **2026-2027**

#### **MISSION STATEMENT**

St. Johns Public Schools will provide an educational experience that prepares all students to become individuals who think critically, live purposefully, lead responsibly, communicate persuasively, and serve others generously.

Dear Parents and Students:

It is our goal to present a program that allows every student the opportunity to be challenged, to pursue interests and goals, and to realize maximum potential. A student's progress toward graduation and receiving a diploma is determined by completing required coursework and earning the necessary credits. We are glad to help facilitate the course selections throughout your high school career, however, it is your responsibility to make sure you are meeting and fulfilling the graduation credits/requirements.

Your selection of courses may very well be the most important task you undertake during your high school career. Please involve your parents, your teachers, and your counselor in this process. Student requests are used to determine the classes offered. Care will be taken to ensure proper placement in the courses requested. Therefore, **NO CHANGES IN A STUDENT'S SCHEDULE WILL BE MADE UNLESS THERE IS A COMPELLING REASON!**

## **Nondiscrimination Policy**

Following is the St. Johns Board of Education policy as it relates to educational programs to eliminate discrimination and denial based on race, color, national origin, sex, and disability. Anyone who wishes to file a complaint as it relates to this policy may obtain a copy of the procedures to file such a grievance from the Board of Education offices, or see the procedure as provided later in this document.

**“It is the policy of the St. Johns School District that no person shall, on the basis of race, color, national origin, sex, or disability be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity and in employment.”**

## **Civil Rights Compliance – Title VI**

“The St. Johns Public Schools, located at 501 West Sickles Street, St. Johns, MI 48879, will receive and use Federal funds and United States Department of Agriculture donated foods. No person because of race, color, national origin, sex, age, or disability shall be excluded from participation in, be denied the benefits of, or be otherwise subjected to discrimination to our United States Department of Agriculture donated foods and child nutrition programs or be discriminated against in any of the above ways, in any program that receives Federal financial assistance.”

## **Vocational Nondiscrimination**

Be advised that St. Johns Public Schools offers vocational opportunities to all students regardless of race, color, national origin, sex, disability, or limited English proficiency. Any questions concerning TITLE IX of the Educational Amendments of 1972 or Section 504 of the Rehabilitation Act of 1973, which prohibits discrimination based on sex, or any person who believes they have been discriminated against, should write immediately to the districts Compliance Officers:

Dr. Anthony Berthiaume  
Superintendent  
St. Johns Public Schools  
501 W. Sickles St.  
St. Johns MI 48879  
989.227.4001

Michael Winkel  
Assistant Superintendent of Curriculum  
St. Johns Public Schools  
501 W Sickles St.  
St. Johns MI 48879  
989-227-4004

Jacob Hampton  
Technology Director  
St. Johns Public Schools  
501 W. Sickles St.  
St. Johns MI 48879  
989.227.4086

Mary Garrigus  
Special Education Director  
504 Coordinator  
St. Johns Public Schools  
501 W. Sickles St.  
St. Johns MI 48879  
989.227.4006

Stephanie Bush  
District Social Worker  
504 Coordinator  
St. Johns Public Schools  
501 W. Sickles St.  
St. Johns MI 48879  
989.227.4126

## **Grievance Procedure – Title IX, Title II, Section 504**

An internal complaint may be filed by a student and/or parent. A student and/or parent may initiate the internal complaint procedure when she/he/they believe that a violation, misapplication or misinterpretation of Section 504, Title IX, or Title II has occurred. Additionally, the following procedure may be used for any disagreement with respect to actions regarding the identification, evaluation, or educational program or placement of students who are identified as disabled or believed to be disabled pursuant to Section 504, and are not eligible under the IDEA, except in the case of disciplinary actions where the provisions of the Student Code of Conduct apply. Use of the internal complaint procedure is not a prerequisite to the pursuit of other remedies, including the filing of a complaint with the U.S. Department of Education's Office of Civil Rights or requesting a due process hearing.

**STEP 1:** Investigation by the Building Compliance Officer: A student or parent may initiate an investigation by filing a written internal complaint with the Building Compliance Officer. The complaint should fully describe the circumstances giving rise to the dispute and how the child is adversely affected. The complaint must be filed as soon as possible, but not longer than thirty (30) calendar days after disclosure of the facts giving rise to the complaint. The Building Compliance Officer shall conduct an impartial investigation of the complaint. As part of the investigation, the Building Compliance Officer shall permit the complainant to present witnesses and other evidence in support of the complaint. The investigation shall be completed within fifteen (15) days of the written complaint being filed. The Building Compliance Officer will notify the complainant in writing of his/her decision.

**Step 2:** Appeal to the District Compliance Officer: If the complaint is not resolved satisfactorily at Step 1, the student or parent may appeal the Building Compliance Officer's decision in writing to the District Compliance Officer. The appeal must be made within five (5) school days following receipt of the Building Compliance Officer's decision. The District Compliance Officer will review the case, may conduct an informal hearing, and will notify all parties in writing of his/her decision within ten (10) school days of receiving the appeal.

**Step 3:** If the complaint is not resolved satisfactorily at Step 2, the student or parent may request a due process hearing with the Board of Education.

**Step 4:** If at this point, the grievance has not been satisfactorily settled, further appeal may be made to the Office of Civil Rights, Department of Health & Human Services, Washington D.C.

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## Staff Directory

All extensions may be called directly by dialing 227 and then the extension.

<u>Name</u>	<u>EXT.</u>	<u>Email</u>	
<b>Administration</b>			
Zane Ballard, Co-Principal	4101	ballardz@sjredwings.org	
Cali Sackrider, Co-Principal	4108	sackriderc@sjredwings.org	
Jessica Gleeson, Assistant Principal	4105	gleesonj@sjredwings.org	
Megan Merchant, Activities and Athletics Director	4132	merchantm@sjredwings.org	
<b>Counselors</b>			
Nicole Toft	All Freshmen	4116	toftn@sjredwings.org
Tammi Ballard	A-L (10 <sup>th</sup> -12 <sup>th</sup> and FES)	4117	ballardt@sjredwings.org
Becky Holmes-Bukantis	M-Z (10 <sup>th</sup> -12 <sup>th</sup> grade)	4118	holmesb@sjredwings.org
<b>Teachers</b>			
<b>Department</b>	<b>EXT.</b>	<b>Email</b>	
Arts, Bethany	Special Education	4173	artsb@sjredwings.org
Astle, Brita	Art	4268	astleb@sjredwings.org
Ballor, Michael	English	4281	ballorm@sjredwings.org
Barrett, Amy	Business	4168	barretta@sjredwings.org
Barrett, Bean	Physical Education	4291	barrettb@sjredwings.org
Becker, Sheri	Math	4292	beckers@sjredwings.org
Barry, Erin	Spanish	4296	barrye@sjredwings.org
Billings, Matt	Industrial Arts	4221	billingsm@sjredwings.org
Brewer, Jennifer	Spanish/English	4234	brewerj@sjredwings.org
Brook, Jonathan	Science	4242	brookj@sjredwings.org
Buggia, Samantha	Science/Agriscience	4241	buggias@sjredwings.org
Charneski, Jackie	English/Psychology	4284	charneskij@sjredwings.org
Cramer, Chris	History	4171	cramerc@sjredwings.org
Davis, Roy	Music	4273	davisr@sjredwings.org
Feldpausch, Neil	Industrial Arts	4226	feldpauschn@sjredwings.org
Foster, Joe	Social Studies	4287	fosterj@sjredwings.org
Guenther, Jennifer	Math/Science	4239	guentherj@sjredwings.org
Hart, Alyssa	Math	4293	harta@sjredwings.org
Hessinger, Joey	Math	4290	hessingerj@sjredwings.org

## Staff Directory (cont.)

All extensions may be called directly by dialing 227 and then the extension.

Name	EXT.	Email	
<b>Teachers</b>	<b>Department</b>	<b>Ext.</b>	<b>Email</b>
Heystek, Kathy	Art	4269	heystekk@sjredwings.org
Keller, Missy	Special Education	4174	kellerm@sjredwings.org
LaBar, Rick	Industrial Arts/CCRESA	4223	labarr@sjredwings.org
Lasceski, Mark	Math	4288	lasceskim@sjredwings.org
Miller, Caleb	Science	4247	millerc@sjredwings.org
Moyer, Jarod	Choir	4274	moyerj@sjredwings.org
Palmer, Barry	English	4282	palmerb@sjredwings.org
Parker, Jake	Social Studies	4170	parkerja@sjredwings.org
Parker, Jennifer	Orchestra	4275	parkerj@sjredwings.org
Phillips, Derek	Phys. Ed/Health	4153	phillipsd@sjredwings.org
Potts, Ken	CCRESA/Auto	4215	pottsk@sjredwings.org
Sackrider, Robert	English	4283	sackriderr@sjredwings.org
Schmitt, Andy	Math	4172	schmitta@sjredwings.org
Schultz, Rick	Science	4244	schultzr@sjredwings.org
Simon, Kari	Phys. Ed/Health	4238	simonka@sjredwings.org
Simon-Pieters, Kari	Science	4238	simonk@sjredwings.org
Speiss, Matt	CCRESA/Sports Med	4295	mspiess@ccresa.org
Stevons, Heather	Math	4289	stevonsh@sjredwings.org
Stukey, Dave	Social Studies	4169	stukeyd@sjredwings.org
Thomas, Jackie	Special Education	4176	thomasj@sjredwings.org
Truitt, Alicia	French/English	4235	truitta@sjredwings.org
Veale, Derrick	Science	4245	vealed@sjredwings.org
Wade, Nate	English	4285	waden@sjredwings.org
Wieczorek Allen, Julie	Special Education	4164	allenj@sjredwings.org
Wollison-Hyde, Laura	Business	4167	wollison-hydel@sjredwings.org

# **St. Johns Public Schools**

## **High School Program of Studies**

The world of work is rapidly changing, as existing careers become more complex and new careers demand increased levels of education. Students must acquire increased academic competencies, advanced technical skills, communication skills and greater problem-solving abilities to become productive citizens in a highly global economy. It is the goal of St. Johns High School to create a climate where expectations are high, individual differences are nurtured, global awareness is promoted, lifelong learning is valued, and self-esteem is enhanced.

The high school program of St. Johns Public Schools offers a challenging course of study, designed for students to recognize, and achieve their academic and career potential. Through a coordinated sequence of academic and technical courses and work experience programs, all students will be better prepared for their post high school experiences and continuing their education to reach their goals. As lifelong learners, St. Johns High School graduates may continue their education at four-year colleges, community colleges, technical institutions, the military or in apprenticeship/training programs as they strive to reach their own individual academic and career goals.

## **Career Pathways**

The St. Johns High School Programs of Study are designed to offer students a pathway to success. As students enroll in school, they will select a career pathway designed to meet their academic potential and career interest. The pathway selection will provide a focus, and the foundation, for the students' learning experiences. The students will develop a four-year high school educational plan that will maximize their post-high school potential and opportunities. Through an applied academic instructional program, all students will begin to identify and value the relationship between their academic studies and real-world applications. This contextual learning experience will enable students to make informed decisions that will better match their interests and aptitudes with their academic experiences as they consider career pathway options. Students will continue to meet with their counselor and other resource staff members throughout high school to review their progress toward achieving their goals and to further refine or modify their academic and career plans.

## **Arts and Communication**

Careers related to the humanities and to the performing, visual, literary and media arts. These may include creative or technical writing, illustrating, graphic designing, publishing, theater arts, journalism, languages, radio and television broadcasting, photography, advertising, and public relations.

If you answer yes to many of the following questions, you may enjoy a career in this pathway:

- Are you creative, innovative, or imaginative?
- Do you enjoy creative work involving design, color, form, and material?
- Do you enjoy designing or laying out a project?
- Are you musically or artistically creative?
- Do you seek opportunities for self-expression?

## **Business, Management, Marketing & Technology**

Careers related to all aspects of business including accounting, business administration, finance, information processing, and marketing. These may include entrepreneurship, sales, marketing, hospitality and tourism, computer information systems, finance, accounting, office administration, personnel, economics, and management.

If you answer yes to many of the following questions, you may enjoy a career in this pathway.

- Do you like interacting and working with other people?
- Are you organized, efficient, and enjoy detailed people work?
- Do you like working with computers?
- Do you like to solve problems and make decisions?
- Do you think logically and make well thought-out decisions?

## **Engineering/Manufacturing and Industrial Technology**

Careers related to the technologies necessary to design, develop, install, or maintain physical systems. These may include occupations in designing, engineering and science, service technicians, manufacturing technology, transportation, and construction.

If you answer yes to many of the following questions, you may enjoy a career in this pathway.

- Do you like to work both alone and with others?
- Do you like to work with tools, objects, or numbers?
- Do you enjoy combining mental and manual skills to solve problems?
- Do you like to work accurately and precisely?
- Do you like to solve math problems quickly and accurately?

## **Health Sciences**

Careers related to the promotion of health as well as the treatment for injuries, conditions, and disease. These may include medicine, dentistry, nursing, therapy and rehabilitation, nutrition, fitness and hygiene, public health, and veterinary science.

If you answer yes to many of the following questions, you may enjoy a career in this pathway.

- Are you interested in caring for others?
- Are you interested in science and medicine?
- Are you interested in medical environments?
- Do you pay attention to detail?
- Can you follow instructions precisely?

## **Human Services**

Careers related to childcare, civil service, education, hospitality, and social services. These may include law and legal studies, law enforcement, public administration, child and family services, and social services.

If you answer yes to many of the following questions, you may enjoy a career in this pathway.

- Do you like activities involving people and the communication of ideas?
- Do you enjoy providing service to others?
- Are you understanding, patient and empathic?
- Do you like to analyze situations, develop solutions, and solve problems?
- Do you inspire trust and confidence in others?

## **Natural Resources and Agriscience**

Careers related to natural resources, agriculture, and the environment. These may include agriculture, earth sciences, environmental sciences, fisheries management, forestry, horticulture, wildlife management, and many agri-business/agri-industry occupations.

If you answer yes to many of the following questions, you may enjoy a career in this pathway.

- Do you enjoy working outdoors with plants or animals?
- Do you enjoy scientific and technical work?
- Do you have strong observation skills?
- Can you work alone and with others?
- Are you a nature lover?

# GRADUATION REQUIREMENTS

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<b>Class of 2030</b>  4.5 English 4.5 Math (through Algebra II) 3.0 Science (through Chemistry) 1.0 US History/Geography 1.0 World History/Geography .5 Government 1.0 Economics/Personal Finance .5 Careers 2.0 World Language 1.0 Health/Physical Education 1.0 Visual, Performing or Applied Arts 2.0 Seminar 8.0 Additional Credits	<b>Class of 2029</b>  4.5 English 4.0 Math (through Algebra II) 3.0 Science (through Chemistry) 1.0 US History/Geography 1.0 World History/Geography .5 Government 1.0 Economics/Personal Finance .5 Careers 2.0 World Language 1.0 Health/Physical Education 1.0 Visual, Performing or Applied Arts 2.0 Seminar 8.5 Additional Credits	<b>Class of 2028</b>  4.5 English 4.0 Math (through Algebra II) 3.0 Science (through Chemistry) 1.0 US History/Geography 1.0 World History/Geography .5 Government 1.0 Economics/Personal Finance .5 Careers 2.0 World Language 1.0 Health/Physical Education 1.0 Visual, Performing or Applied Arts 2.0 Seminar 8.5 Additional Credits	<b>Class of 2027</b>  4.0 English 4.0 Math (through Algebra II) 3.0 Science (through Chemistry) 1.0 US History/Geography 1.0 World History/Geography .5 Government .5 Economics .5 Careers 2.0 World Language 1.0 Health/Physical Education 1.0 Visual, Performing or Applied Arts 2.0 Seminar 9.5 Additional Credits

## GRADE REPORTING

Progress reports and final grades are available through the parent portal regularly scheduled times during the year. If you need a hard copy of grades mailed, please contact the main office. A report of I (Incomplete) indicates that the work required must be completed within two weeks or an F will result.

## PERSONAL CURRICULUM

A Personal Curriculum (PC) may be requested by a parent to modify the Michigan Merit Curriculum (MMC). A PC will be written to:

- Go beyond the academic credit requirements by adding more math, science, English language arts, or world languages credits.
- Modify, if necessary, the credit requirements of a student with an Individual Educational Plan (IEP).
- Modify credit requirements for a student who transfers in from out of state or a nonpublic school and is unable to meet the MMC requirements.

Approval for a PC resides with the St. Johns Public Schools District.

# Student Academic and Career Planning Guide

9 <sup>th</sup> Grade	10 <sup>th</sup> Grade	11 <sup>th</sup> Grade	12 <sup>th</sup> Grade
<p><b>September/October:</b></p> <ul style="list-style-type: none"> <li>• Visit college/career fairs</li> <li>• Become involved with extracurricular activities</li> <li>• Resume development</li> <li>• Redefine career pathway decision</li> </ul> <p><b>January/February:</b></p> <ul style="list-style-type: none"> <li>• Meet with counselor to determine sophomore schedule</li> </ul> <p><b>April:</b></p> <ul style="list-style-type: none"> <li>• PSAT 9</li> <li>• XELLO</li> <li>• Continue EDP process</li> </ul>	<p><b>September/October:</b></p> <ul style="list-style-type: none"> <li>• Visit college/career fairs</li> <li>• Resume development</li> <li>• Sign up for AP testing</li> </ul> <p><b>November:</b></p> <ul style="list-style-type: none"> <li>• RESA career expo</li> </ul> <p><b>January/February:</b></p> <ul style="list-style-type: none"> <li>• Meet with counselor to determine junior schedule</li> </ul> <p><b>April:</b></p> <ul style="list-style-type: none"> <li>• PSAT 10</li> <li>• Continue EDP process</li> </ul> <p><b>June:</b></p> <ul style="list-style-type: none"> <li>• Optional SAT</li> </ul>	<p><b>September:</b></p> <ul style="list-style-type: none"> <li>• Visits with college/military reps</li> <li>• Enroll in/begin Khan academy practice</li> </ul> <p><b>September/October:</b></p> <ul style="list-style-type: none"> <li>• Continue EDP development</li> </ul> <p><b>October:</b></p> <ul style="list-style-type: none"> <li>• PSAT/NMSQT test</li> <li>• Sign up for AP testing</li> </ul> <p><b>January/February:</b></p> <ul style="list-style-type: none"> <li>• Meet with counselor to determine senior schedule</li> </ul> <p><b>April:</b></p> <ul style="list-style-type: none"> <li>• Michigan Merit Exam</li> </ul> <p><b>May:</b></p> <ul style="list-style-type: none"> <li>• AP testing</li> </ul> <p><b>June:</b></p> <ul style="list-style-type: none"> <li>• ACT/SAT retake</li> <li>• Visit college/career Fairs</li> </ul> <p><b>Spring/Summer:</b></p> <ul style="list-style-type: none"> <li>• College visits</li> <li>• Continue EDP process</li> </ul>	<p><b>September/October:</b></p> <ul style="list-style-type: none"> <li>• College applications</li> <li>• Sign up for ACT/SAT</li> <li>• Visit college/military reps</li> <li>• Review graduation plan</li> <li>• Finalize resume</li> <li>• Attend a college information session regarding scholarships and financial aid information</li> <li>• Set up parchment accounts for transcripts</li> </ul> <p><b>October:</b></p> <ul style="list-style-type: none"> <li>• Senior meeting with counselors</li> <li>• Sign up for AP Testing</li> <li>• FAFSA opens</li> </ul> <p><b>November:</b></p> <ul style="list-style-type: none"> <li>• Prepare/update resume</li> </ul> <p><b>December/January :</b></p> <ul style="list-style-type: none"> <li>• Scholarship/financial Aid applications</li> </ul> <p><b>February/March:</b></p> <ul style="list-style-type: none"> <li>• Financial aid forms submitted by March 1</li> <li>• senior interview day</li> </ul> <p><b>April:</b></p> <ul style="list-style-type: none"> <li>• Job shadow required</li> </ul> <p><b>May/June:</b></p> <ul style="list-style-type: none"> <li>• AP testing</li> <li>• Request final transcript from parchment</li> </ul>

# Agriscience

## Floraculture

Grades 11,12

1 Trimester | .5 Credit

This course introduces students to the principles and practices of floriculture and plant science, emphasizing plant growth, propagation, and floral design techniques. Students will explore the structure and function of plants, environmental factors affecting plant growth, and sustainable floriculture practices used in the green industry. Hands-on lab and design experiences will develop technical and creative skills in floral arrangement, plant care, and greenhouse management. Throughout the course, students will apply plant science concepts to real-world floriculture projects and industry scenarios. The course culminates in the opportunity to earn the iCEV Floral Design Certification, demonstrating mastery of professional standards in floral artistry, design elements, and industry safety.

## Food Science

Grades 10, 11, 12

1 Trimester | .5 Credit

This course explores the science behind the food you eat and how raw agricultural products are transformed into the foods we enjoy everyday. Through hands-on labs and experiments, students will investigate the chemistry and biology of food - from how ingredients interact during cooking to how preservation methods keep food safe and fresh. This course also examines topics such as nutrition, food quality, and sustainability, while introducing students to careers in food science, agriculture, and biotechnology. Designed for curious minds and future scientists alike, this course offers a fun, interactive way to connect the farm, the lab, and a table.

## Plants and Wildlife

Grades 9,10,11,12

2 Trimesters | 1 Credit

This course is designed to provide students with an intermediate understanding of plants and wildlife and the interactions among them. This course studies the relationship between living organisms (plants and animals) and their physical environment, including how they interact with each other within that environment. Students will have a greater understanding of the connectivity of the agricultural industry and evaluate the effects of agriculture on the world around them. Students will have the chance to further develop their knowledge base through guest speakers, field trips, various labs and projects. By the end of this course, students will have a greater understanding and appreciation for the natural resources systems and their effects on plants and wildlife. FFA topics and events will be covered in this class, therefore FFA membership is required.

## Veterinary Science

Grades 11,12

2 Trimesters | 1 Credit

### Prerequisites: Biology, Zoology (recommended) and/or Instructor Approval

This course introduces students to the basics of veterinary science, including animal anatomy, physiology, disease prevention, treatment practices, animal care and ethics. Designed for students interested in veterinary medicine, animal biology or animal care careers. The course provides a combination of theoretical knowledge, practice skills and real-world application. Students will have the chance to further develop their knowledge base through guest speakers, field trips, various labs and projects. FFA Topics and events will be covered in this class, therefore FFA membership is required.

**Zoology**

Grades 9,10,11,12

2 Trimesters | 1 Credit

This course is designed to provide students with an intermediate understanding of the Animal Science Industry. Animal Science is a biological science that studies the management and biology of animals, with the goal of improving the lives of both animals and humans. Students will have a greater understanding of the connectivity of the agricultural industry and evaluate the effects of agriculture on the world around them. Students will have the chance to further develop their knowledge base through guest speakers, field trips, various labs and projects. By the end of this course, students will have a greater understanding and appreciation for the animal agriculture industry as it relates to the world around them. FFA topics and events will be covered in this class, therefore FFA membership is required.

# Visual Art

Courses Offered	9	10	11	12
Intro to Art Workshop	•	•	•	•
Fundamentals of Art (Art I)	•	•	•	•
Fine Art (Art II)		•	•	•
Design Process	•	•	•	•
3-D Exploration	•	•	•	•
Ceramics I	•	•	•	•
Ceramics II		•	•	•
Visual Art Journal			•	•
Portfolio			•	•

## 3-D Exploration

Grades 9, 10, 11, 12

1 Trimester | .5 credit

**Lab Fee:** Cost of materials and supplies for each project

This course offers a variety of media experiences in 3-dimensional art. Students will build vocabulary of artistic terminology. This course will infuse art history in lessons, looking at how sculptural art has been used globally and historically. Materials such as plaster, metal, leather, cloth, wood, cardboard, wire, and others may be explored. Fabrication techniques, design fundamentals, and visual critiques of student work will be emphasized. Evaluation will be based on project work, class participation, written work, and critiques. Students are required to keep a progressive sketchbook of their research, techniques, and drawings. Attendance and participation are graded elements in this class, as it is a studio course.

## Ceramics I

Grades 9, 10, 11, 12

1 Trimester | .5 credit

**Lab Fee:** Cost of materials and supplies for each project

The Ceramics I course is designed to teach the fundamentals of working with clay. The emphasis of the term is learning how to hand-build. Students will be introduced to slab, coil, pinch pot, and modeling forms. This class is a messy hands-on course. It requires cooperative learning in a studio environment. Grading is non-subjective. Student grades are based on development of students' designs, application of learned techniques, craftsmanship, stability of work, task completion, and project specific criteria. The final exam will focus on the comprehension of vocabulary, and ceramic techniques. Attendance and participation are graded elements in this class, as it is a studio course.

**Ceramics II**

Grades 10, 11, 12

1 Trimester | .5 credit

**Lab Fee:** Cost of materials and supplies for each project

Ceramics II is a follow up course to Ceramics I. The class is structured for advanced students to apply their own creativity toward developing portfolio quality projects. Students will review techniques, and apply them on larger, more professional projects. Most of the coursework produced in this class will be created from composite forms. These are complex projects, created by combining coil, slab and pinch-pot forms. This class will investigate various historical and cultural ceramic forms. Students are required to sketch and draw out designs. Attendance and participation are graded elements in this class, as it is a studio course

**Design Process**

Grades 9, 10, 11, 12

1 Trimester | .5 credit

Art Design is aimed for art students who wish to learn about the Principles and Elements of Art. This class will expand students' understanding of art vocabulary and theory through a series of technical art exercises. This is an excellent foundation course for students interested in pursuing a career in graphic design, web design, or advertisement. Attendance and participation are graded elements in this class, as it is a studio course.

**Fine Art (Art II)**

Grades 10, 11, 12

1 Trimester | .5 credit

**Prerequisite: Fundamentals of Art, with a “B” or better**

Fine Art is a class for the enthused art student who has successfully completed Fundamentals of Art. This course further extends the ideas and concepts from the “Fundamentals of Art” class. Polishing students' observational drawing skills and techniques will be the key focus of this course. In addition to drawing, painting (acrylic, and/or watercolor) will be explored more in-depth. Students are required to keep a progressive sketchbook of their research, techniques, and drawings. Bi-weekly sketchbook assignments will be collected and graded. Attendance and participation are graded elements in this class, as it is a studio course.

**Fundamentals of Art (Art I)**

Grades 9, 10, 11, 12

1 Trimester | .5 credit

Fundamentals of Art is a foundation class for students beginning to take high school art. The goal of this course is to give students a base of art concepts, thus preparing them for future courses. This course provides an opportunity for the student to develop their creative expression, visual problem solving, media techniques, awareness of art history, and craftsmanship. Emphasis is placed on drawing, design, painting, and the language of visual art. Bi-weekly sketchbook assignments will be collected and graded. Evaluation will be based on project work, class participation and critiques. Attendance and participation are graded elements in this class, as it is a studio course.

## **Introductory Art Workshop**

Grades 9, 10, 11, 12

1 Trimester | .5 credit

This course offers the student a chance to sample a variety of art techniques and materials such as paint, metal, drawing, printmaking, pen & ink, and others. Students will develop their use of artistic language and cooperative visual critiquing. Lessons based on the work of master artists, multicultural craft, or global art will be included in the term. Students will be assessed on projects, class participation, written work, tests, and quizzes.

## **Portfolio**

Grades 11, 12

2 Trimesters | 1 credit

### **Prerequisite: Fundamentals of Art and Fine Art, Intro to Art, Design Process, and Instructor Approval**

This course is designed for the highly motivated art student who plans on pursuing an art or design related career or considers art a serious hobby. Students will build a professional-style portfolio throughout the year. Their portfolio work will be large scale, have fine craftsmanship, and be original. Each portfolio student will strive to develop a theme or concentration. Students will be asked to refine their “artistic voice” through development of written artist’s statements. Students will be required to research historical as well as contemporary artists, inspiring their work. Students will be featured at a portfolio spring art show. At the spring art exhibition, each student will set up a display of their best artwork and artist statements. Evaluation for the terms will include weekly sketchbook assignments, project grades, written work, class participation, tests, and quizzes. Students are required to keep a progressive sketchbook of their research, techniques, and drawings. Attendance and participation are graded elements in this class, as it is a studio course.

## **Visual Art Journal**

Grades 11, 12

1 Trimester | .5 credit

### **Prerequisite: Intro to Art, Fundamentals of Art, Fine Art, and Design Process**

Lab Fee: Cost of materials and supplies for each project

This class is designed for students that successfully completed Intro to Art, Fundamentals of Art, Fine Art, and Design. This class will expand students' understanding of art vocabulary, theory, and history through a series of technical art exercises and media, as well as a writing component. Students will be studying contemporary artists, and art styles through the production of a visual art journal (book). Fabrication techniques, design fundamentals, and visual critiques of student work will be emphasized. Evaluation will be based on project work, class participation, written work, and critiques. Attendance and participation are graded elements in this class, as it is a studio course.

**This course has a \$5.00 materials fee.**

# Business Services & Technology

Courses Offered	9	10	11	12
Careers	•	•		
Digital Design	•	•	•	•
Yearbook	•	•	•	•
Business Management		•	•	•
Programming I		•	•	•
Microsoft Academy		•	•	•
Web Authoring I & II		•	•	•
Accounting I & II		•	•	•
Sports Marketing		•	•	•
Accounting III & IV			•	•

## Accounting I

Grades 10, 11, 12

1 Trimester | .5 credit

This course covers essential accounting concepts such as debits/credits, t-accounts, journalizing/posting transactions, worksheets, adjusting entries, and the creation of financial statements. As part of a state mandating Certification testing standard, we will start to study for the Microsoft Excel Associate Certiport test in this class.

## Accounting II

Grades 10, 11, 12

1 Trimester | .5 credit

### Prerequisite: Accounting I

This course delves into cash controls and merchandising accounting: sales, purchases, accounts payable, accounts receivable, payroll processing, payroll taxes. Students will be required to study and take the Microsoft Excel Associate Certiport test in this class. It will be used as a final exam.

## Accounting III

Grades 11, 12

1 Trimester | .5 credit

### Prerequisite: Accounting II

This course will cover capital financing, accruals/deferrals, plant assets, inventories, financial analysis, strategic decision making, and the legal and ethical principles associated with the accounting function. Students will continue to study and take Microsoft Certification Tests in Specialist Test in Excel.

**Accounting IV**

Grades 11 ,12

1 Trimester | .5 credit

**Prerequisite: Prior Successful Completion of Accounting I, II, & III**

**Course Objective:** Inventories financial analysis, strategic decision making, and the legal and ethical principles associated with the accounting function. Ethics in accounting will also be covered, as well as any topics not completed previously. The emphasis for this class will be to gain experience and expertise in computerized accounting, using practice sets and simulations. Students will continue to study and take the Microsoft Certification Test in Excel. Quick books software could be explored as well.

**Business Management**

Grades 10, 11 ,12

1 Trimester | .5 credit

**Prerequisite: Career/Computer Applications**

This course is designed to provide an understanding of the business environment with emphasis on entrepreneurship. Students will explore the economic and legal requirements of doing business. Hands-on projects will include creating a (fictional) business and writing a business plan.

**Careers**

Grades 9,10

1 Trimester | .5 credit

**This is encouraged to be taken in 9th grade, but can be taken in 10th.**

Students will utilize Xello in career exploration and research, as well as update their Educational Development Plan (EDP) for setting SMART goals and planning courses they will take throughout high school. Students in this course will review core computer skills, commonly used computer applications and improve keyboarding technique, speed, and accuracy. In addition, students will prepare for a career by identifying individual areas of interest and aptitudes; gaining job search skill; successfully completing job applications; and completing a resume and cover letter.

**Digital Design**

Grades 9, 10, 11 ,12

1 Trimester | .5 credit

**Prerequisite: Careers**

The objective of this course is to prepare students to employ and manipulate technology in publishing, design, and business presentations. Students will learn the essentials of professional design principles, typography, layout, file formats and production techniques. Additionally, learning to think about audience and medium and how those affect the way you craft your message will be covered. In the end, students will have a more critical eye for design, and production techniques. You will have valuable skills you can use in professional and social settings, from editing photographs, to creating a newsletter for an organization you belong to, to developing an effective marketing campaign for a small business. Adobe software will be utilized in production of various marketing materials.

**Microsoft Academy**

Grades 10, 11, 12

1 Trimester | .5 credit

**Prerequisite: Business Management**

This course is designed to cover competency in Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and Microsoft Access. Students who complete the class can gain industry certification from Microsoft. Microsoft Office Specialist (MOS) certification provides validation of knowledge, skills, and abilities relating to Microsoft Office Applications. Students taking this course will be guided in an independent setting, where they will get to choose which program(s) they want to focus on.

**Programming I**

Grades 10, 11, 12

1 Trimester | .5 credit

This course will introduce the basics of computer programming through the use of JavaScript. Students are encouraged to take Web Authoring I and II which also align with front end web development. Students will have the opportunity to take the JavaScript Certiport Certification test in this class.

**Sports Marketing**

Grades 10, 11, 12

1 Trimester | .5 credit

This course is a 1 Trimester course that is designed for the business student seeking to understand the marketing events and the role that sports and entertainment play in the movement of products and services in the global economy. We will also review career opportunities in sports. Concepts will include creation of awareness and excitement for events, planning of events, event management and creation of new products, services and revenue streams. Students will also learn promotional concepts associated with large events. Students become familiar with real-world concepts involved with public and sporting events. They will understand the business reasons behind promotional decisions and the power that sports and entertainment carries in the marketing of products and services in the global marketplace. Students learn how sports and entertainment has become a medium used to market products and services. Key concepts covered include marketing fundamentals, consumer behavior, market research and segmentation, sponsorships and endorsements, promotional activities, digital marketing and event merchandising. Students may participate in a fantasy sports league.

**Web Authoring I**

Grades 10, 11, 12

1 Trimester | .5 credit

This course is a project-based course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS, and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, be able to analyze and fix errors in existing websites, and create their very own multi-page websites. This course requires the Certiport IT Specialist: HTML & CSS exam.

**Web Authoring II**

Grades 10, 11, 12

1 Trimester | .5 credit

**Prerequisite: Web Authoring I**

This course will start with a review of Web I materials and advance into learning how to incorporate javascript into HTML files to work collaboratively and independently design, develop and implement function and responsive web pages using the foundational skills from Web I.

**Yearbook**

Grades 9, 10, 11, 12

3 Trimesters | 1.0 Elective, .5 credit English

**Prerequisite: Application/Instructor Approval**

This is a full-year course with its main objective the production of the yearbook. Students are responsible for business activities such as selling and distributing the book and selling advertisements to local businesses. They also select the theme, plan pages, select pictures and write yearbook copy. Students must submit a written application to the Yearbook Advisor. Staff members must be mature, responsible, reliable, and creative. They must also be willing to assume full responsibility for deadlines and camera equipment.

# CAD & Design Technology

**\*Completion of certain courses within Drafting/CAD may allow students to earn postsecondary credits at Mid Michigan College and/or Central Michigan University. See instructor for further information.**

Courses Offered	9	10	11	12
Introductory Drafting & CAD	•	•	•	•
Engineering CAD I		•	•	•
Engineering CAD II			•	•
Architectural Drafting I		•	•	•
Architectural Drafting II			•	•
Interior Drafting & Design I		•	•	•
Interior Drafting & Design II			•	•
CAD & Design Tech I (CCRESA)			•	•
CAD & Design Tech II (CCRESA)				•

## Architectural Drafting I

Grades 10, 11, 12

3 Trimesters | 1.5 credits

**Prerequisite: Introductory Drafting recommended but not required or written teacher approval.**

Architectural Drafting is a one-year course designed for the individual interested in residential house construction and design. This course will provide the students the opportunity to prepare a set of presentation drawings using traditional drawing techniques. The student will then complete a full set of working drawings using AutoCAD software.

## Architectural Drafting II

Grades 11, 12

3 Trimesters | 1.5 credits

**Prerequisite: Architectural Drafting I**

This course is designed for the student who is interested in careers related to architecture, construction, and interior design. College bound students pursuing a career in those areas should take this class using various CAD programs. Students will be introduced to architectural presentation drawings and photo-realistic renderings using CAD and 3D parametric solid modeling programs. Students will also be introduced to model construction of planned buildings.

## Engineering CAD I

Grades 10, 11, 12

3 Trimesters | 1.5 credits

**Prerequisite: Introductory Drafting & CAD**

This class is designed to help prepare a student for a career in CAD or engineering. Using CAD software, students will be introduced to engineering drawing & design fundamentals, as well as blueprint reading and industrial related math. Schools of engineering rely on the high schools to give students an introduction to this important area of study. Areas covered will include advanced detailing and dimensioning, geometric dimensioning and tolerancing, auxiliary views, revolutions, threads and fasteners, detail/assembly drawings, developments, cams & gears, welding drafting and an introduction to 3D CAD.

**Engineering CAD II**

Grades 11 ,12

3 Trimesters | 1.5 credits

**Prerequisite: Engineering CAD I or written Teacher approval**

This course is a continuation of Engineering CAD I designed for the student who is serious about a career in CAD, engineering, manufacturing, product design, or other related CAD design careers. This course is designed to introduce the student to advanced CAD techniques using various CAD software programs. Students will focus on completing 3D assembly and detail drawings using parametric solid modeling programs such as SolidWorks. Students will also be introduced to solid model presentations, rendering and animation techniques. Students will also have the opportunity to design and print designs using the 3D rapid prototype printer.

**Interior Drafting & Design I**

Grades 10, 11,12

2 Trimesters | 1 credit

**Prerequisite: Introductory Drafting is recommended but not required**

This course is designed to give the seriously interested interior design student skills in the interior design profession. Many students have chosen a career goal of interior design: this course gives background in drafting skills to help that student achieve higher levels in his/her chosen interior areas. Students will learn to use drafting equipment, draft and design floor plans, wall and room elevations, perspective room illustrations, design decorating schemes and develop presentation packages. Students will also be introduced to Computer-aided drafting (CAD) techniques using AutoCAD as they apply to interior design.

**Interior Drafting & Design II**

Grades 10, 11,12

3 Trimesters | 1.5 credits

**Prerequisite: Interior Drafting and Design I or written Teacher approval**

This course is designed to give the seriously interested interior design student skills in the interior design profession. All areas of instruction lead to a college bound career and portfolio in Interior Design. Study focuses on advanced elements and principles of design, advanced spatial planning of furniture and floor plan arrangements, color theory, surface materials presentation boards and portfolio building. This course also introduces the student to advanced CAD techniques using AutoDesk Revit and SketchUp software in the creation of interior drawings and presentations.

**Introductory Drafting & CAD**

Grades 9, 10, 11,12

2 Trimesters | 1 credit

Introductory Drafting is a two-trimester class that provides each student with the fundamentals of drafting and prepares them for future courses in the CAD & Design curriculum. It is also a recommended class for other technology programs, engineering bound students and various other related career opportunities. The first trimester of this class will cover care and use of drafting equipment, sketching skills, lettering, single views, multi-view projection, dimensioning, geometric drafting, pictorial drafting and floor plan development. The second trimester students will learn to use AutoCAD to complete single views, multi-views, sections, and architectural floor plans with elevations.

# English Language Arts

## Requirements:

- English 9
- American Literature 10
- World Literature 11
- Style and Rhetoric
- Elective English

Courses Offered	9	10	11	12
English 9	•			
Foundations of English	•			
American Literature 10		•		
World Literature 11				•
Modern American Literature			•	•
Modern World Literature			•	•
Speech		•	•	•
Forensics	•	•	•	•
Style and Rhetoric			•	
Theatre Appreciation	•	•	•	•
Theatrical Production	•	•	•	•
Writing Workshop			•	•
Film as Literature			•	•
Sports Literature			•	•
Advanced Placement English				•

## American Literature 10 Required Course

Grade 10

2 Trimesters | 1 credit

### Prerequisite: English 9

This class emphasizes the development of Literature (essay, poetry, short story, drama, non-fiction and novel). Another focus will be on writing essays following the steps in the writing process. Composition and vocabulary skill development will be used to aid in the improvement of the student's writing. The course will include journal writing, mini-grammar lessons, and focus techniques for writing more clearly and succinctly. Students should expect to verbally contribute daily in class as well as complete nightly homework assignments.

## Advanced Placement English

Grade 12

3 Trimesters | 1.5 credits

### Prerequisite: English 9, American Literature 10, World Literature 11 and Senior status.

Advanced Placement English is a yearlong college-level literature and composition course designed to give the English student with exceptional abilities the opportunity to earn college credits. Practice AP tests will be taken throughout the year. Poetry, world literature and expository essays are the focal point of the reading and writing. Upon completion of the course, the student will write the Advanced Placement test in English Literature and Composition, administered in May. In rare circumstances, a placement exam may have to be given to limit overcrowding. **AP Classes will not be dropped after August 1st.**

**English 9 Required Course**

Grade 9

2 Trimesters | 1 credit

In this two-trimester course, students will be exposed to a variety of written communication styles. This course will focus on the progression of successful written communication in a variety of situations. This will be accomplished through learning to understand and appreciate literature and its messages and themes, and responding to it. This course will include vocabulary/literary term building, punctuation, writing skills, and literature in the form of drama, non-fiction, and novels. Significant emphasis will be placed on learning to organize, communicate, and defend an opinion. Evaluation is based on daily assignments, written assessments, daily spoken and written classroom contributions, quizzes, and exams. Students' willingness to work, organizational skills, and participation in class discussions will impact final grade.

**Film as Literature**

Grades 11,12

1 Trimester | .5 credit

Film as Literature is designed to examine the unique literary topic of motion pictures. Students will examine all technical aspects of film production and analyze the messages they convey. The study of movies will be done through the viewing of films combined with the use of essays, writings, and research. Students will be expected to complete individual critiques of past and present films, as well as becoming familiar with genres and periods of movie making. Films from various eras and locations will be utilized, and students will strengthen their analytical skills as well as learn to recognize the film as an independent form of literature.

**Forensics (Competitive Speech and Drama)**

Grades 9, 10, 11,12

1 Trimester | .5 credit

This course offers students an opportunity to explore competitive speech events associated with the Michigan Interscholastic Forensics Association (MIFA). The course combines skills in speaking, interpreting, writing, performing, and researching. Through project-based learning, students will participate in each of the three types of events that are part of forensics: limited preparation events, prepared public address events and oral interpretation events. For limited preparation events, students will learn about events that cover politics, podcasts with social commentary and television broadcasting; they will also deliver impromptu speeches. Students will research, write, and deliver a prepared, informative, persuasive or sales speech. Finally, students will prepare a script for and perform an interpretive event of their choice, including Storytelling, Poetry, Pose, Dramatic Interpretation or Program Oral Interpretation. This class prepares students to compete in MIFA-sponsored speech competitions as part of the Forensics Team if they choose.

**Foundations of English**

Grade 9

1 Trimester | .5 credit

**Teacher Recommendation Only**

This course focuses on building strong foundational skills in reading, writing, speaking and critical thinking that are essential for academic success. Students will engage with a variety of literary and informational texts ranging from, but not limited to, poetry, novels, short stories, articles and music/lyrics; these interactions will help develop the ability to analyze themes, structure, and author's purpose while supporting their interpretations with evidence. Through classroom discussion, small group discussion and written opportunities, students will improve their written and spoken expression. Upon completing this course, all students' "foundations" will have been either developed or refined to ensure that they will have the necessary tools for success as they move through high school.

**Modern American Literature**

Grades 11,12

1 Trimester | .5 credit

**Prerequisite: "B" average in previous English courses**

This course, designed for the college-bound student, continues the study of American literature. Students will read and discuss 20th century fiction, poetry, drama, and non-fiction, focusing on how the works reflect, or sometimes try to escape, "modern life." The course assignments are designed to help students adjust to the type of class organization they will encounter in college. Students will be expected to complete regular reading assignments; writing assignments that accompany the reading are designed to help students develop an intelligent, informed, personal interpretation of the works. Discussion and participation are encouraged and expected; these works invite a wide variety of responses.

**Modern World Literature**

Grades 11,12

1 Trimester | .5 credit

**Prerequisite: "B" average in previous English courses**

Modern World Literature focuses on 20th century works that come from outside the United States. While Europe and North America are still major literary players, great literature is increasingly being produced in Latin and South America as well as Asia and Africa. These authors provide a totally fresh perspective on the events that have shaped the century. We will read a wide variety of works, fiction, poetry, drama, and non-fiction, from a wide range of authors representing different nationalities and experiences.

Like its companion course, Modern American Literature, this class stresses discussion, and individual interpretation. Students will be expected to complete regular reading assignments, in translation where necessary, and writing assignments will focus on the major global issues we discuss in class.

**Speech**

Grades 10, 11,12

1 Trimester | .5 credit

In this class students will develop more effective oral communication skills. Students will recognize the effectiveness of good oral communication while presenting a personality and expressing ideas. Materials covered are communication theory, listening skills, organization techniques, speech delivery techniques, research, and debate. Students are expected to; present speeches to entertain, inform, and stimulate; debate a resolution, and participate in speech delivery exercises while in front of an audience comprised of their classmates.

**Sports Literature**

Grades 11 ,12

1 Trimester | .5 credit

This course primarily focuses on nonfiction literature and nonfiction writing. Literary experiences may include reading autobiographies, memoirs, essays, and speeches of renowned coaches and athletes; examining documentary story structure; studying visual literacy through the evaluation of photojournalism and videography storytelling; analyzing sports reporting on both TV and radio; writing a research paper on relevant and current sports related issues; and discussing the influence sports have had on our culture.

Through a combination of reading, writing and research, we will explore the following questions:

1. What are the histories of sports in America?
2. What types of writing is done about sports in America? Who does that writing?
3. What purposes does writing about sports serve?
4. What themes are recurrent in writing about American sports?
5. What does writing about American sports reveal about American culture?

**Style and Rhetoric Required Course**

Grade 11

1 Trimester | .5 credit

**Prerequisite: English 9 and American Literature 10**

Students will explore how writers craft language to inform, persuade, and inspire. Through close reading and analysis of a variety of texts—including informational writing, personal narratives, literary works, speeches, and essays—students will study the elements that make communication clear, compelling, and effective. Emphasis will be placed on understanding rhetorical strategies, tone, and structure, as well as developing precision and control in students' own writing. The course will also provide focused instruction in grammar, syntax, and stylist conventions, helping students refine their writing for clarity, correctness, and impact. Students should expect to verbally contribute daily in class as well as complete nightly homework assignments.

**Theatre Appreciation**

Grades 9, 10, 11 ,12

1 Trimester | .5 credit

This course is designed to develop an understanding of the process of producing theatre from the written script, to develop skills in theatrical performance, and to develop an appreciation for the theatrical works. -Students will learn about the evolution of theatre over time, and how a show is produced from start to finish. This class will include watching and evaluating recorded theatrical performances, reading and discussing plays, performing scripted and nonscripted scenes in small groups and writing scripts and essays.

\*This class may count as a Performing Arts elective rather than as an English elective at colleges and universities.

**Theatrical Production**

Grades 9, 10, 11, 12

1 Trimester | .5 credit

In this course, students will learn the process of producing dramatic works and perform in a theatrical production. Students will learn how to read and select plays for production and will go through all phases of producing a show for the stage and an audience. The class centers its philosophy on the practical application of skills learned, such as set design, construction and painting, script analysis, lighting, make-up, costuming, properties, house organization and publicity. Students should be capable of expressing a great variety of meanings through voice and body. Students enrolled in this class may be expected to meet outside of class for technical preparation and rehearsals prior to performance dates. Plan to have at least one evening or weekend performance date (similar to how a music class culminates in a recital). Students will be expected to write essays evaluating the creative choices made during the production process.

\*This class may count as a Performing Arts elective rather than an English elective at colleges and universities.

**Writing Workshop**

Grades 11,12

1 Trimester | .5 credit

Writing Workshop is intended for those students who wish to express themselves creatively and imaginatively in such literary forms as short story and poetry. The keeping of journals as a source of ideas will be required. This course will enhance the students' skill and confidence as a writer.

**World Literature 11 Required Course**

Grade 11

2 Trimesters | 1 credit

**Prerequisite: English 9 and American Literature 10**

This course will involve the study of authors from various eras and cultures. Genres will include non fiction, poetry, drama, short stories, and novels. It will also focus on the organization and refinement of writing skills. Students should expect to verbally contribute daily in class as well as complete nightly homework assignments.

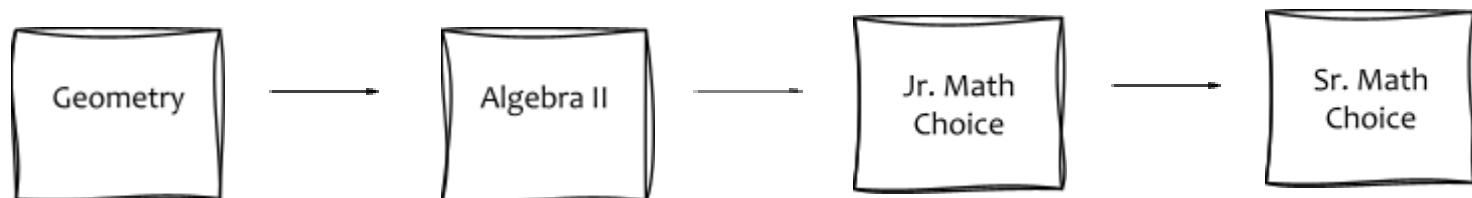
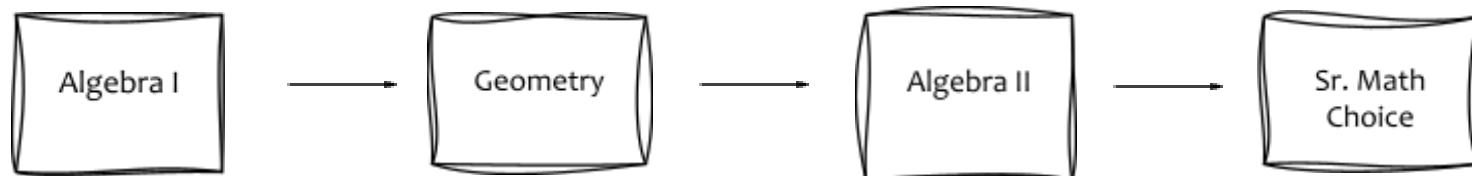
# Mathematics

## Requirements:

- Algebra I
- Geometry
- Algebra II
- One credit in additional Mathematics classes
- Math class taken during 12<sup>th</sup> grade

Courses Offered	9	10	11	12
Algebra I	•			
Geometry	•	•		
Algebra II		•	•	
Pre-Calculus			•	•
AP Calculus				•
Probability & Statistics			•	•
College Algebra			•	•
Worldly Math			•	•

## Suggested Course Sequence



**Algebra I Required Course**

Grades 9

3 Trimesters | 1.5 credits

Topics include writing and evaluating expressions; solving equations; graphing and writing linear equations and inequalities; understanding and graphing functions; graphing equations in slope-intercept form, point-slope form, and standard form; solving systems of equations; properties of exponents; exponential growth and decay; operations with polynomials; factoring; solving and graphing quadratic functions; data and statistics; and ratios, proportions, and percent.

**Algebra II Required Course**

Grades 10, 11

2 Trimesters | 1 credit

**Prerequisite: Geometry**

This course will provide an in-depth study of the fundamental skills of Advanced Algebra. Students will factor, solve, graph, find models, and use technology when working with linear, quadratic, polynomial, radical, exponential, logarithmic, rational, and trigonometric functions. Students will also study basic probability and statistics. The skills learned in Algebra II are essential to future success in both college and skilled trade programs.

**AP Calculus**

Grade 12

3 Trimesters | 1.5 credits

**Prerequisite: Pre-Calculus**

Advanced Placement Calculus is a year-long, college-level class designed to give the student with exceptional skills the opportunity to take the Advanced Placement test and earn college credit. This course covers graphing functions, differential calculus including rates of change and maximum-minimum applications, integral calculus including areas bounded by curves, volumes, and areas of solids of revolution and length of plane curves, transcendental functions, and techniques of integration. **AP classes will not be dropped after August 1st.**

**College Algebra**

Grades 11,12

2 Trimesters | 1 credit

**Prerequisite: Algebra II**

This course is designed for students who intend to go to college and feel that they need to strengthen their understanding of fundamental math concepts. Its purpose is to help students make connections between and within previous math concepts taught in Algebra I, Geometry and Algebra II. By better developing student understanding, the course will be able to take students' previous knowledge to the next level, which will allow them to face math problems and algorithms that have an increased level of difficulty similar to what students will see in introductory college math courses.

**Geometry Required Course**

Grades 9, 10

2 Trimesters | 1 credit

**Prerequisite: Algebra I**

This course will develop and strengthen reasoning and problem-solving skills through the study of geometric concepts. Skills that were developed in Algebra I will be reinforced throughout this course as students investigate topics such as parallel and perpendicular lines, congruence, similarity, right triangle trigonometry, circles, quadrilaterals, transformations, perimeter, area, surface area, volume, comparisons between 1, 2, and 3 dimensional measurements, tessellations, density, parabolas, coordinates in space, and probability. Students will be asked to make sense of problems and persevere in solving them by reasoning abstractly and quantitatively, constructing viable arguments, modeling real world applications, using appropriate tools strategically, and attending to precision.

**Pre-Calculus**

Grades 11, 12

2 Trimesters | 1 credit

**Prerequisite: Algebra II**

This course is intended for the student who plans to take mathematics at the college level. Any student who will major in math, science, medicine, or engineering in college should plan to take this course. This course includes analytic geometry, rational functions and their graphs, polynomial functions, circular functions, trigonometric functions and their graphs, trigonometric identities, logarithmic and exponential functions as well as sequences, series, and limits.

**Probability & Statistics**

Grades 11, 12

2 Trimesters | 1 credit

**Prerequisite: Algebra II**

This course is an introduction to statistics comparable to a college “Elementary Statistics” course. Concepts to be covered include: an introduction to statistics, probability & probability distributions, confidence intervals, hypothesis testing, correlation and regressions, chi-squared tests, nonparametric tests, and introduction to calculus. This is an advanced level course, but it is NOT an Advanced Placement course. Students who complete this course may opt to take the AP Statistics exam.

**Worldly Math**

Grades 11\*, 12

2 Trimesters | 1 credit

**Prerequisite: Algebra II**

Examine many facets of the world and explore math’s relativity. Topics to be explored include: Mental math skills, managing your personal finances, investing, income and payroll taxes, buying and leasing a vehicle, gambling, home improvement, bargain shopping, cooking, many more exciting real-life topics. Many projects inside and outside of the classroom will help you understand why math is important to everyone and everything in this world. NOTE: This class is one that prepares students for life, NOT college. For those students planning on attending college, they should take this class concurrently with a college bound math class.

**\*Only may be taken in 11th grade in addition to another math course.**

# Metal Technology

Courses Offered	9	10	11	12
Metal Technology I	•	•	•	
Metal Technology II	•	•	•	

Metal Technology I & II may be taken in the same year.

## Metal Technology I

Grades 10, 11, 12

1 Trimester | .5 credit

This is a beginning level machine trades course that is designed to help students learn the proper use of machinery and important fundamentals related to a career in metal working/skilled trades. Students will be using tool room lathes, vertical knee mills, and a drill press to complete projects. Along with those machines students will be using multiple hand tools and machinery involved with doing sheet metal work. There is an emphasis on properly using layout and precision measurement.

## Metal Technology II

Grades 10, 11, 12

1 Trimester | 2 class hours | 1 credit

**Prerequisite: Metal Technology I, Recommended: Basic Drafting, Arc Welding**

This is a trimester/2 hour long advanced level machining class designed to explore advanced fixtures/jigs and project building with a high level of accuracy. Machines used by students will build on previous knowledge learned in Metal Tech I and will also include using the surface grinder, CNC mill and sand casting. This course is designed for those students who are seriously thinking of pursuing a career in machining. During this class there will be guest speakers from the industry with talking points on employment and industry expectations.

# Music

Courses Offered	9	10	11	12
Band 9	•			
Concert Band		•	•	•
Marching Band		•	•	•
Symphonic Band		•	•	•
Chorus	•	•	•	•
Concert Choir	•	•	•	•
Concert Orchestra	•	•	•	•
Symphony Orchestra		•	•	•

\*All music programs are designed to be year long, but can be taken 1 - 3 Trimesters

## Band 9

Grade 9

1-3 Trimesters | .5 - 1.5 credits

### Prerequisite: Successful completion of middle school band program/director approval

Ninth grade is a continuation of the music program and students must play an instrument. Enrollment is offered as an opportunity to develop individual and group skills, as well as self-respect, pride, citizenship, and aesthetic values. Performances include a marching show, concerts, solo and ensemble festival, band districts and parades. Grades will be evaluated in terms of the student's overall musical progress, attitude, and citizenship.

## Chorus

Grades 9, 10, 11, 12

1-3 Trimesters | .5 - 1.5 Credits

Chorus is for students new to the High School Vocal Music Program. Chorus is a performance-based class, and as such, all performances are mandatory and make up a large portion of the grade. Emphasis is on vocal tone and production, singing together as an ensemble, music reading, ear training, sight reading, and musical interpretation and expression. Challenging choral literature from different time periods and cultures is used to help teach these things. Student evaluation will be based on total points earned for rehearsals, concerts, tests, and participation. Attendance at outside rehearsals and performances is mandatory.

## Concert Band

Grades 10, 11, 12

1-2 Trimesters | .5 - 1 credit

### Prerequisite: Spring Audition

All band members who are not in Symphonic Band will be members of the Concert Band. Concert Band is a performing ensemble that begins at the conclusion of the marching season and continues throughout the year in all ensembles. Attendance at these performances is required. Concerts, district festivals, and solo and ensemble festivals constitute the main activities of this organization.

**Concert Choir**

Grades 9, 10, 11, 12

1-3 Trimesters | .5 - 1.5 Credits

**Prerequisite: Spring Audition**

Concert Choir is for students with previous music experience. After auditions in the Spring a list will be provided indicating who will be eligible to participate. Adjustments may be made prior to the start of the school year. Concert choir is a performance-based class, and as such, all performances are mandatory and make up a large portion of the grade. Students enrolled in the class are expected to have basic music reading skills. Emphasis is on vocal tone and production, singing together as an ensemble, ear training, sight reading, musicianship, and musical interpretation and expression. Challenging choral literature from different time periods and cultures is used to help teach these things. Student evaluation will be based on total points earned for rehearsals, concerts, tests, and participation. Attendance at outside rehearsals and performances is mandatory.

**Concert Orchestra**

Grades 9, 10, 11, 12

1-3 Trimesters | .5 - 1.5 Credits

**Prerequisite: Must have previous string instruction, or successful completion of the 8th grade orchestra, or the director's approval.**

Concert Orchestra is a performance-based class, and as such, all performances are mandatory and make up a large portion of the grade. Concert Orchestra allows the student to continue to develop his/her music skills and knowledge. Student evaluation will be based on total points earned for rehearsals, concerts, tests, and participation. Attendance at outside rehearsals and performances is mandatory. The student will be required to exert considerable effort at continued self-improvement on their instrumental skills. Attendance at outside rehearsals and performances is required. Grades will be evaluated in terms of the student's overall musical progress, class participation, and attendance at concerts. Opportunities for outside performances and participation in Band & Orchestra Festival and Solo & Ensemble are offered and encouraged.

**Marching Band**

Grades 10, 11, 12

1 Trimester | .5 credit

**Prerequisite: Successful Spring Audition**

All band members, grades 10-12, are eligible for the Marching Band. Attitude, playing and marching ability, and attendance determines the status of each band member in the "regular" marching unit. Marching Band includes one evening rehearsal a week, participating in all home football games, special marching events, concerts, and parades. Flags and percussion have required scheduled evening sectionals during the "marching" season. A Marching Band camp is offered in August. Attendance is highly recommended, but not mandatory.

**Symphonic Band**

Grades 10, 11, 12

1-2 Trimesters | .5 - 1 credit

**Prerequisite: Spring Audition**

Membership in the Symphonic Band is available to all band members in grades 10<sup>th</sup>, 11<sup>th</sup> & 12<sup>th</sup>. Instrumentation shall be determined through tryouts based on musical proficiency. A list will be provided indicating who will be eligible to participate. Adjustments may be made at the conclusion of the "marching" season. Concerts, district festivals, and solo and ensemble festivals constitute the main activities of this organization.

**Symphony Orchestra**

Grades 10, 11, 12

1-3 Trimesters |.5 - 1.5 Credits

**Prerequisite: Spring Audition**

Students in the Symphony Orchestra continue what they have learned and achieved in Concert Orchestra by playing more advanced music and increasing their instrument technique level. Symphony orchestra also offers more opportunities for performance both in school and in the community. The first trimester is a strings only class, the second and third trimesters are a full symphonic orchestra when the top woodwinds, brass, and percussion from the symphonic band join the class. Students will be required to exert considerable effort at continued self-improvement on their instrumental skills. Attendance at outside rehearsals and performances is required. Grades will be evaluated in terms of the student's overall musical progress, participation, and attendance at concerts. Opportunities for outside performances and participation in Band & Orchestra Festival and Solo & Ensemble are offered and encouraged.

# Physical Education

## Requirements:

- **Physical Education I**
- **Additional .5 Credit of Physical Education**

Courses Offered	9	10	11	12
Physical Education I	•			
Physical Education II	•	•		
Physical Education III		•		
Physical Education IV - Sports		•	•	•
Physical Education V - Walking		•	•	•
Physical Education VI - Weights		•	•	•
Advanced PE for Athletes	•	•	•	•
Personal Development	•	•	•	•

## Personal Development

Grades 9, 10, 11, 12

1 Trimester | .5 credit

This course is designed to introduce students to the skills and knowledge necessary for understanding themselves and better managing their lives. The emphasis will be on students applying these skills to help them make sound decisions regarding their physical, mental, emotional, and social health and wellness. Some areas for study will include nutrition/healthy baking, walking, building healthy relationships, enhancing self-esteem, and mental/emotional health.

## Physical Education I Required Course

Grade 9

1 Trimester | .5 credit

This is a required course for all freshmen. This course aims at developing and educating the individual through a variety of physical activities. Emphasis is placed upon developing a solid foundation involving individual and team activities. Some activities are presented in a coeducational manner. State health drug and sex education requirements will also be presented. State health HIV education will also be presented.

## Physical Education II

Grades 9, 10

1 Trimester | .5 credit

This course aims at developing and educating the individual through a variety of physical activities. Emphasis is placed upon developing a solid foundation involving individual and team activities. Some activities are presented in a coeducational manner. State Health Sex Ed requirements will also be presented.

## Physical Education III

Grade 10

1 Trimester | .5 credit

### Prerequisite: Successful completion of Physical Education I.

This class is a continuation of activities and skills learned in PE I and PE II. In addition, this class is designed to promote better health choices, and to develop skills necessary to be successful in lifetime sports and fitness activities. Some activities are presented in a coeducational manner. A small fee will be required for a few PE activities. Financial assistance is available.

**Physical Education IV (Team & Individual Sports)**

Grades 10, 11, 12

1 Trimester | .5 credit

This course is designed for the male or female student who would like to participate in a continuation of team and individual sports. This class will include game variation of popular team and individual sports. Students will be expected to dress and participate daily. Students will also be completing a RepReps course to begin the process of becoming a MHSAA certified official in various sports depending on the trimester.

**Physical Education V (Walking)**

Grades 10, 11, 12

1 Trimester | .5 credit

Power walking has been proven to be one of the best all-around aerobic activities a person can do over an extended period of time to promote wellness. This class will teach students the skills necessary to make healthy lifestyle choices. This course will emphasize lifelong fitness by combining aerobic power walking with various cardiovascular activities.

**Physical Education VI (Weight Training & Conditioning)**

Grades 10, 11, 12

1 Trimester | .5 credit

This course is designed for the student who would like to improve his/her physical strength through weight training. Emphasis will be on proper lifting and conditioning techniques. Conditioning, agility, and endurance will be included. Students should have a positive attitude towards weight training and conditioning.

**Physical Education VII (Advanced P.E. for Athletes)**

Grades 9, 10, 11, 12

1 Trimester | .5 credit

This course is designed for the athlete who wants to participate in an intense, structured weight training and conditioning program. This class is structured around a customized weight training program which has been designed to improve athletic ability in all sports. All students will be required to participate in all segments of the weight training as well as speed/agility training.

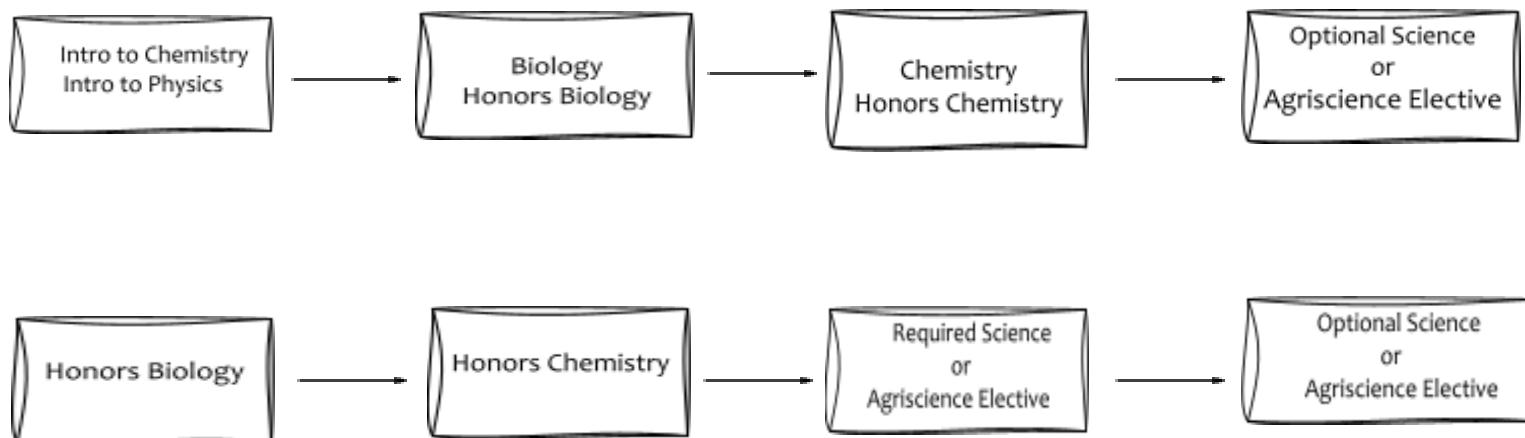
# Science

## Requirements:

- 3 years of Science including Biology & Chemistry

Courses Offered	9	10	11	12
Intro to Chemistry	•	•		
Intro to Physics	•	•		
Honors Biology	•	•		
Biology		•	•	
Chemistry			•	•
Honors Chemistry		•	•	•
Honors Physics			•	•
Anatomy and Physiology			•	•
Environmental Science			•	•
AP Biology			•	•
AP Chemistry			•	•

## Science Enrollment Options



**AP Biology**

Grades 11, 12

3 Trimesters | 1.5 credits

**Prerequisite: Honors Biology, Honors Chemistry**

The AP Biology course is structured and taught as a first-year college biology course. It is an extension of the regular biology course and will cover several topics including cells, macromolecules, enzyme activity, respiration, photosynthesis, genetics, evolution, plant and animal structure and function, and ecology. Students are expected (but not required) to take the Advanced Placement Biology exam in May, which will determine their eligibility for college credit. Those students electing not to take the AP exam will take a final exam in the class. This course is strongly encouraged for students who will need biology for their college degrees. **AP classes will not be dropped after August 1st.**

**AP Chemistry**

Grades 11, 12

3 Trimesters | 1.5 credits

**Prerequisite: Honors Biology, Honors Chemistry, Algebra II or Concurrently**

Advanced Placement Chemistry is a course designed and structured similar to a first-year college chemistry course. It is an extension of the regular chemistry course and will cover several topics including kinetics, thermochemistry, equilibrium, reduction and oxidation, organic and nuclear chemistry. This class heavily emphasizes laboratory skills and laboratory reports. Students in this class are expected (but not required) to take the Advanced Placement Chemistry test in May. This course is strongly encouraged for students who will need chemistry for their college degrees. **AP classes will not be dropped after August 1st.**

**Anatomy and Physiology**

Grades 11, 12

2 Trimesters | 1 credit

**Prerequisite: Biology (or Honors Biology) and Chemistry (or Honors Chemistry) or concurrently.**

Anatomy and Physiology is a course designed for students with a strong curiosity in mammalian biology and themselves. The goals of this course are to introduce students to the structure and organization of the human body and several functions of the systems that make up the human body to teach students laboratory skills including the proper use of the microscope and proper dissection techniques, to develop student's problem solving and research skills, and to enable students to become familiar with common diseases, as well as conditions that are genetically linked to their family

**Biology**

Grades 10, 11

2 Trimesters | 1 credit

**Prerequisite: Intro to Physics, Intro to Chemistry**

The five standards emphasized are: Inquiry, Reflection and Social Implications; Organization and Development of Living Systems; Interdependence of Living Systems and the Environment; Genetics; and Evolution and Biodiversity. This course is designed to meet and achieve the state graduation requirement for Biology.

**Chemistry**

Grades 11, 12

2 Trimesters | 1 credit

**Prerequisite: Intro to Chemistry, Biology**

This Chemistry course is designed to educate students in the areas of fundamental chemistry concepts, while at the same time, demonstrate to students the application of chemistry in both industry and their everyday lives. The course has a strong focus on mineral refinement, petroleum material science, water treatment and testing, nuclear processes, nutritional chemistry, and both fossil fuel and nuclear energy. Students will leave this course with a firm understanding of how chemistry is involved in both scientific and nonscientific careers.

**Environmental Science**

Grades 11, 12

2 Trimesters | 1 credit

**Prerequisite: Biology (or Honors Biology) and Chemistry (or Honors Chemistry) or concurrently**

Environmental Science is a course designed for students to gain experience in scientific procedures and the use of field equipment in carrying out on site investigations which affect the local environment. Students will use their biology, chemistry, and Earth science knowledge to explore and evaluate alternatives to the existing environmental conditions locally, nationally, and globally. Students will study environmental practices in terms of scientific or technological feasibility, cost, the effect on the economy, and the quality of life in the community. In cases in which environmental improvement is desirable, the students will develop and evaluate proposals for achieving desired improvement or assist community groups. The environmental conditions studied may involve natural resource use and alternative, waste disposal, and pollution (air, water, land, visual or sound) issues. The course will take advantage of local resources and organizations, such as Agro-Culture Liquid Fertilizer, the St. Johns WasteWater Treatment Plant, Michigan State University Programs, and our own Maple River wetland complex.

**Honors Biology**

Grades 9, 10

2 Trimesters | 1 credit

**Prerequisite: 9th grade (approval of 8th grade Science Teacher) 10th grade (Intro to Chem, Intro to Physics)**

This is a rigorous course designed for students planning on attending a two- or four-year college. Honors Biology provides the student with a basic understanding of life's processes and its meaning in both plants and animals. In addition, the student has an opportunity to develop curiosity for future experiences in sciences. The five standards emphasized are: Inquiry, Reflection and SoCal Implications; Organization and development of Living Systems; Interdependence of Living Systems and the Environment; Genetics; and Evolution and Biodiversity. This course is designed to meet and achieve the state graduation requirement for Biology.

**Honors Chemistry**

Grades 10, 11, 12

2 Trimesters | 1 credit

**Prerequisite: Honors Biology or Teacher Recommendation**

This is a rigorous course designed for students planning on attending a two- or four-year college. Chemistry will be especially helpful for those students who plan to pursue any type of chemical, medical, dental, engineering, biological or technical career. The five standards emphasized are: Inquiry, Reflection and Social Implications; Forms of Energy; Energy Transfer and Conversion; Properties of Matter; and Changes in Matter. This course satisfies the state graduation requirement for chemistry.

**Honors Physics**

Grades 11, 12

2 Trimesters | 1 credit

**Prerequisite: Honors Biology, Algebra II or concurrently**

Honors Physics is designed to prepare students for Physics in college. The course requires a strong background in mathematics. Topics include Kinematics, Dynamics, Vector Analysis, multidimensional motion and force, Universal gravitation, Momentum, Work, Power, Simple Machines, Energy, Waves, Sound, and Light. Honors Physics is strongly recommended for any student who will be taking Physics in college.

**Introduction to Chemistry**

Grades 9, 10

1 Trimester | .5 credit

The Introduction to Chemistry course gives the student a strong foundation in the subject of chemistry that will be directly applied to and help them succeed in the Chemistry course they will take in a following year. Topics that will be focused upon include the scientific method, the structure and nature of matter, the Periodic Table, chemical bonding, and reactions, along with solution chemistry including acids and bases.

**Introduction to Physics**

Grade 9, 10

1 Trimester | .5 credit

Intro to Physics is an introduction to the study of the physical world. Topics include Scientific Method, Motion, Force, Momentum Energy, Waves, Sound, Light, Electricity and Magnetism. This course is mathematical in nature and requires a basic knowledge of Algebra.

# Social Studies

## Requirements:

- U.S. History I & II
- World History I & II
- Economics/Personal Finance\*
- Government

\*starting with class of 2028

Courses Offered	9	10	11	12
U.S. History I & II				
World History I & II	•	•		
Government			•	•
Economics/Personal Finance			•	•
General Psychology		•	•	•
Global Issues			•	•
AP US History		•	•	•
AP Psychology			•	•
AP Government			•	•

## AP US History

Grades 10, 11, 12

3 Trimesters | 1 History .5 English credit

10<sup>th</sup> Grade with Teacher approval only

Prerequisite: Strong writing skills.

This program is a year-long college level American History course designed to give the student with exceptional abilities the opportunity to earn college credits. Upon completion of the course, the student will write the AP test in American History. Students will study American History from colonization to present day. In addition to a comprehensive textbook, students will use both primary and secondary source materials to write various types of essays within an historical context. **AP classes will not be dropped after August 1st.**

## AP Government

Grades 11, 12

2 Trimesters | 1 credit

Prerequisite: A "B" average in AP US History or US History

Note: AP Government can take the place of the one semester government course

AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning, assess causes and consequences of political events, and interpret data to develop evidence-based arguments. **AP classes will not be dropped after August 1st.**

**AP Psychology**

Grades 11, 12

3 Trimesters | 1.5 credits

**Prerequisite: General Psychology or Instructor approval is required.**

The Advanced Placement Psychology course is structured and taught as a first-year college psychology course. It covers research methods, biological psychology, neuroscience, sensation, perception, states of consciousness, learning, cognition, motivation, emotions, developmental psychology, personality, intelligence, abnormal psychology, treatment of psychological disorders, and social psychology. Students are expected to take the AP Psychology test in May; however, this is not a requirement. Those students electing to not take the Advanced Placement exam will take a final exam. **AP classes will not be dropped after August 1st.**

**Economics/Personal Finance Required Course**

Grades 11, 12

1 Trimester | 1 credit

This course offers the student a practical approach to the subject of economics. The course deals with such topics as credit, taxes, insurance, housing, money management, and other survival techniques, while looking at the realities of our economic system.

**Global Issues**

Grades 11, 12

1 Trimester | .5 credit

This course will help students develop an understanding of the events they see each day in the news media. This course will show the relationships of nations to the world situation and the need for all nations to have a sense of security and a place in the global community. From a cause-and-effect perspective, we will forecast where we are headed as part of a global community. You will study how these events affect your future.

**Government Required Course (Or AP Government)**

Grades 11, 12

1 Trimester | .5 credit

American Government is a systematic study of national, state, and local governments. There is special emphasis on decision-making through the President, Congress, and the Judicial Branch. The class will cover the origins of Government, the constitutional history of the U.S. elections process, the legislative process, and key Supreme Court cases from John Marshall to Civil Rights.

**Psychology**

Grades 10, 11, 12

2 Trimesters | 1 credit

Psychology is the scientific study of behavior and mental processes. In taking this class, students will better understand themselves and others. Topics of study include: Historical figures of the subject; psychological perspectives and fields of study; genetic and environmental influences on psychology; the nervous system; sensory perception; effects and management of stress; states of consciousness; mood disorders; abnormal psychology; and forms of therapy.

**U.S History I Required Course or AP History**

1 Trimester | .5 credit

This course will review America's expansion westward efforts and cover the turn of the 20th century through World War II. Students will be able to conceptualize important events, places and time periods of American History through the lenses of geography, social sciences and the past in relation to the present.

**U.S. History II Required Course or AP History**

1 Trimester | .5 credit

This course completes the chronological order of American History starting with post World War II America and moving through the fall of Communism. Students will be able to conceptualize important events, places and time periods of American History through the lenses of geography, social sciences and the past in relation to the present.

**World History I Required Course**

Grade 9, 10

1 Trimester | .5 credit

This course will follow a "cause and effect" sequence starting in the European Renaissance/Reformation and following through the Age of Imperialism. We will cover the Renaissance, a variety of Revolutions, the spread of Democracy, and the beginnings of major European Empires who will imperialize much of the world through the conflict of World War II. The Geography component will be looked at through analyzing maps, charts, and geographic features which have an impact throughout history to present day society.

**World History II Required Course**

Grade 9, 10

1 Trimester | .5 credit

This course begins with World War II and the Russian Revolution. The course continues to look at Nationalism of the 1930's, World War II, Communist Revolutions, The Cold War and the Post Cold War Era. Cultural as well as historical events will be discussed bringing topics to the forefront in the modern world as this century's wars, economic and political changes between the superpower are studied. The Geography component will be looked at through analyzing maps, charts and geographic features which have an impact throughout history up to present day society.

# Special Education

## Foundations for Employment

Grades 9, 10, 11, 12

1 Trimester | .5 credit

This course is designed to equip students with essential workplace habits and skills that are crucial for success in future careers. Through hands-on activities and real-world applications, students will develop professional skills in communication, time management, teamwork, problem-solving, customer service and adaptability. Emphasis will be placed on fostering a strong work ethic, cultivating leadership abilities and employability skills. The goal is for students to be well prepared to transition into the workforce with confidence and the practical skills needed to thrive in a variety of professional environments.

## Language

Grades 9, 10, 11, 12

2 Trimesters | 1 credit

This course covers the essentials for reading success. Students will have the opportunity to improve reading skills through studies in phonemic awareness, word recognition, and vocabulary. Reading comprehension will also be infused through a variety of activities including studies in organization of text, information recalling, and using context clues to improve comprehension. This course focuses on remediation through strategy-based instruction.

## MiCI Special Education Program

Grades 9, 10, 11, 12

Year Long

**Prerequisite:** Special Education Department Approval

The MiCI Special Education Program will maximize the student's independence for integration within society, by providing skills in basic academics and experimental employment. The curriculum is based on a four-year rotation schedule of required and elective classes. Furthermore, this program will connect the student with outside agencies to further the transition goals of the program.

## Support

Grades 9, 10, 11, 12

3 Trimesters | .5 credit per Trimester

Tutoring is available to special education students who need support to be successful in their classes. Assistance on homework, projects, and studying is provided. Assistance on tests is also available.

# Welding Technology

Courses Offered	9	10	11	12
Arc Welding	•	•	•	•
Acetylene Welding	•	•	•	•
Advanced Welding		•	•	•

**Arc and Acetylene Welding can be taken in the same year**

## **Arc Welding**

Grades 9, 10, 11, 12

1 Trimester | .5 credit

Arc welding is a trimester long introductory course designed to teach important welding fundamentals like: Lab safety, proper weld joint set up, welding techniques, destructive and non-destructive testing. Students will acquire a basic understanding of hand tools, materials and certain processes used in arc welding.

## **Acetylene Welding**

Grades 9, 10, 11, 12

1 Trimester | .5 credit

Acetylene welding is a trimester long introductory course designed to teach important welding fundamentals like: Lab safety, proper weld joint set up, welding techniques, destructive and non-destructive testing. Students will acquire a basic understanding of hand tools, materials and certain processes used in acetylene welding.

## **Advanced Welding**

Grades 10, 11, 12

1 Trimester | 2 class hours | 1 credit

### **Prerequisite: Arc and Acetylene Welding or Teacher Approval**

Advanced Welding is a trimester two-hour long course designed to introduce students to more advanced welding techniques and set ups. Welds are done both in horizontal and vertical positions using both acetylene and arc welding and introducing MIG and TIG welding. This class is also designed with students building projects in mind with instructor approval. Students must pass both acetylene welding and arc welding with a C or better to be eligible to take this course or have instructor's approval.

# Wood Technology

**\*Completion of certain courses within Wood Technology may allow students to earn post secondary credits from Northern Michigan University.**

Courses Offered	9	10	11	12
Intro to Woodworking	•	•	•	•
Intro to Manufacturing	•	•	•	•
Intro to Computer Numerical Control	•	•	•	•
Furniture Building		•	•	•
Cabinetmaking			•	•

## Introduction to Woodworking

Grades 9, 10, 11, 12

1 Trimester | .5 credit

This beginner-level course is designed for students with no prior woodworking experience. Emphasis is placed on safety, with each machine and tool thoroughly explained before use. Students will learn the fundamentals of project planning, material selection, measurement, cost estimation, wood joinery, sanding and finishing. Hands-on learning in the lab will lead to completion of one to two entry-level projects during the trimester.

*Lab Fee: Covers project materials. Financial assistance available.*

## Introduction to Manufacturing

Grades 9, 10, 11, 12

2 Trimesters | 1 credit

This two-trimester introductory course teaches students mass production principles through hands-on experience. Rather than building individual projects, the class collaborates to produce a single product in quantity. Each student invests in one personal item to use as a sample for taking orders, then earns a paycheck based on sales and production. The course emphasizes real-world skills in manufacturing, teamwork and production efficiency.

*Lab Fee: Cost of project materials. Financial assistance available.*

## Introduction to CNC

Grades 9, 10, 11, 12

1 Trimesters | .5 credit

This entry-level course introduces students to CNC (Computer Numerical Control) machining and toolpath design, with no prior experience required. Students learn to create digital designs, generate toolpaths using industry-relevant software and operate CNC equipment to produce physical projects. Emphasis is placed on precision, measurement, tooling, and the coordination system-building foundational skills for modern manufacturing.

*Lab Fee: Cost of project materials. Financial assistance available.*

**Furniture Building**

Grades 10, 11, 12

2 Trimesters | 1 credit

**Prerequisite: Introduction to Woodworking**

This two-trimester intermediate course is designed for students who want to deepen their woodworking skills beyond the introductory level. Building on concepts from Introduction to Woodworking, students will advance their knowledge of materials, machinery and techniques. The course emphasizes independent project planning, as each student designs and constructs a custom piece of furniture from start to finish.

*Lab Fee: Cost of project materials. Financial assistance available.*

**Cabinetmaking**

Grades 11, 12

1-3 Trimesters | .5 credit per trimester

**Prerequisite: Furniture Building**

This advanced woodworking course is designed for students seeking in-depth experience in the craft. Building on prior coursework, students refine their skills in materials, machinery and construction techniques. Working independently, each student designs and builds a complex, custom project.

*Lab fee: Covers project materials. Financial assistance available.*

# World Languages

## Requirements: Spanish I/French I, Spanish II/French II

**Note:** Students interested in traveling to France with their classmates should plan their schedules accordingly. Students must be enrolled in French III/IV the year of the trip.

Courses Offered	9	10	11	12
Spanish I or French I	•	•	•	•
Spanish II or French II	•	•	•	•
Spanish III or French III		•	•	•
Spanish IV or French IV			•	•

### Spanish I or French I

Grades 9, 10, 11, 12

2 Trimesters | 1 credit

The conversational approach to language learning and the importance of oral competence is emphasized in this level, including expressions of basic needs, courtesy, descriptions of self/others, agreement, and disagreement, likes and dislikes. Students will begin to make connections between the target language and cultures and their own.

### Spanish II or French II

Grades 9, 10, 11, 12

2 Trimesters | 1 credit

#### Prerequisite: Spanish I or French I

The purpose of this level is to continue to develop all aspects of communication, including the understanding and interpreting of a wider variety of topics in different tenses. Students learn more specialized vocabulary connecting to other disciplines and compare the nature of the language and culture to that of their own.

### Spanish III or French III

Grades 10, 11, 12

2 Trimesters | 1 credit

#### Prerequisite: A “C” average in Spanish II or French II

This level continues with emphasis on the development of the student’s conversational skills. Oral presentations and increased oral proficiency are required. Students are given the opportunity to utilize the language in depth, both in and outside of the classroom. An optional trip to visit and experience family life in another country may be offered at this level.

### Spanish IV or French IV

Grades 11, 12

2 Trimesters | 1 credit

#### Prerequisite: A “C” average in Spanish III or French III

This level is a continuation of the third level. Communicating in the target language and oral proficiency are the goals of this class. Through the study of cultural perspectives, students will continue to improve their conversational and written skills. Expressive forms of the culture will be studied, including art, literature, music, dance, history, and the social perspectives of the countries. An optional trip to visit and experience family life in another country may be offered at this level.

# Additional Programs

## Dual Enrollment

Postsecondary Enrollment Options Act, effective April 1996, allows students in grades 11 or 12 to attend courses at local colleges or universities while still attending high school. Tuition and fees may be covered by the local high school. For further information contact your counselor or see SJHS website.

Deadline for Fall Semester: June 1

Deadline for Spring Semester: December 1

Grades 11, 12

1 or 2 Trimesters | .5 credit per trimester

## LINKS Peer to Peer Program

Grades 9, 10, 11, 12

1 Trimester | .5 credit

### **Prerequisite: Accepted through application process**

LINKS are peer role models, mentors, tutors, and friends. They mentor students with Autism Spectrum Disorders (ASD) in both academic and social settings, with adult supervision. The LINK student's commitment requires permission from parents or guardians.

The LINK curriculum benefits typical students and students with a disability in reciprocal manner. The LINK student learns, through participation in the curriculum, to act as an advocate and a mentor for a student with a disability as they master content standards. The interactive nature of instruction enables the LINK to consistently broaden the range of opportunities for the student who has a disability. LINK students are engaged with students who have disabilities in the classroom as well as environments outside of the classroom.

# Clinton County Career Connection Courses

The following courses are available to juniors and seniors and provide possible LCC, Mid Michigan, Baker College or Delta College credits. Classes are year-long and replace 2 classes each trimester.

## ALLIED HEALTH - Year 1

Course Location: CCRESA

**Prerequisites:** Students must have local approval based on high school graduation requirements.

**Students will be responsible to purchase a “uniform”. Students will need access to the internet for online instructional days.**

Does caring for individuals who are sick interest you? Or trying to determine what illness a person has interest in? Maybe you like approaching health from an angle of prevention, or developing research for cures, or using technology to treat a disease. In Allied Health, students will build a wide range of basic knowledge that can be applied to a variety of careers tied to health care such as learning medical terms, medical ethics, prevention of illness, anatomy of body systems as well as diseases that affect the system, how food and exercise play a role in health, and a view into insurance. Students will take that knowledge and apply it to health care skills such as taking vital signs, performing CPR, and using AED, basic patient care skills, and safety precautions. This course is a prerequisite for the Allied Health Internship course.

## ALLIED HEALTH INTERNSHIP - Year 2

Course Location: CCRESA

**Prerequisites:** Students must have local approval based on high school graduation requirements. Allied Health I.

**Students will be required to purchase a “uniform”. Students must complete the intent to return process. Instructor Approval**

**Admittance into the Program is based on multiple factors including: 1) Allied Health Grades, 2) Reference letter, 3) A student written paper, 4) Interview with Advisory Board Members.**

**Field Placement Requirements:** To provide up-to-date immunization records and take a two-step TB skin test.

This module-based course for seniors is designed to present and provide limited career exploration opportunities for multiple health care careers in the following core areas: Dental, Nursing, Medical Assisting, Imaging Technology areas (Radiology and Sonography), Laboratory and Technology related areas, Special Needs Health Care, Surgical Technology, Integrated and Holistic areas (Nutrition, Massage, etc.), Pre-Medicine related areas, Physical Therapy related areas (including Occupational Therapy, Sports Medicine, etc.), and Age Based Health areas (including Pediatrics, Geriatrics, etc.). These core areas are based on availability of mentors in the career fields and may be subject to change. Students will rotate through modules to explore duties and responsibilities within each career. Time will be spent between the modular components of the course reviewing employability skills and attributes designed to assist the student with assessing their career selection fit, and the development of self-promotion, interviewing, and general employability skills.

**AUTOMOTIVE TECHNOLOGY & REPAIR - Year 1 & 2****Course Location: St. Johns High School****Prerequisites for Automotive Technology & Repair Year:** Students must have local approval based on high school graduation requirements.**Prerequisites for Auto Technology Repair Year 2:** Students must have local approval based on high school graduation requirements.**Automotive Technology & Repair year 1. Students must complete the intent to return process. Instructor Approval.**

If you are a student who enjoys taking apart and putting them back together or wrenching on your own car, the Auto Services program may be a great fit for you! You will have access to an online book, spend minimal time in the classroom and get right to work out in the shop. Our curriculum will cover breaks, suspension, electrical, engine performance, engine repair, HVAC, manual and auto transmission, and an introduction into electric cars. You will have the opportunity to obtain Automotive Service Excellence (ASE) entrée level certifications in 2 years, receiving 8-10 certifications. When you successfully complete the class, the goal is that you can be a better consumer and have the skills necessary in helping automotive technicians. Other opportunities, if you work hard, are entry level positions at a tire shop, oil change station, or car dealership. If you choose to attend college after high school, you will be more advanced than other students.

**BUSINESS MANAGEMENT AND ENTREPRENEURSHIP - Year 1****Course Location: DeWitt High School****Prerequisite:** Students must have local approval based on high school graduation requirements.**Method of Instruction:** ONLINE with required class days at DeWitt High School

Ever wonder what it takes to own your own business, be your own boss and write your own paycheck? This course will introduce students to the world of entrepreneurs and their role in the economy.

During the first semester, students will combine an online and traditional learning experience with an emphasis on entrepreneurship and starting a business while having work experiences in the class, print ship and café. Typically, three days online and two days face-to-face. Along with running two businesses, students will have the opportunity to write a business plan for an innovative idea of their own.

The second semester will provide students with a more in-depth work experience in the Café and the Print Shop with an emphasis on business ownership. Typically alternating one week working in the business and one week online. This course is a must have for the future business leader!

**BUSINESS MANAGEMENT AND ENTREPRENEURSHIP - Year 2****Course Location: DeWitt High School**

**Prerequisite: 1) Business Management and Entrepreneurship Year 1 2) Students must have local approval based on high school graduation requirements. 3) Students must complete the intent to return process. 4) Instructor Approval.**

During the first semester, students will combine an online and traditional learning experience with an emphasis on managing a business. They will continue to develop and hone the skills and knowledge obtained in year 1 as they take on managerial roles in the classroom and the class businesses. Areas of study include: Problems of small business operation, going into business, financing business, the feasibility study, marketing, and management of business phases. The second semester of this course will offer an opportunity to work as an intern in the business field.

**CAD & DESIGN TECHNOLOGY I & 2****Course Location: St. Johns High School**

**Prerequisites for CAD & Design I & II: 1) Students must have completed a basic drafting course at their local high school. 2) Students must have local approval based on high school graduation requirements.**

CAD and Design Technology is a program for those interested in designing and creating, drawing, house design, product design, 3D computer graphics, and working with your hands and minds. This project-based program allows you to gain high-level experience and skills in engineering design and architecture. You will learn how these disciplines interact in the building of products, buildings, and communities. Turn ideas into products using the same design, drafting, and 3D modeling as professional architects and engineers.

**Engineering Design Path**

If you choose this path you will learn the basic and advanced skills common to all engineering careers while learning about different engineering disciplines. Learn to sketch ideas, use 2D and 3D CAD software and 3D printing to examine the results of your designs.

**Architectural Design Path**

If you choose this path you will learn to read and create blueprints. Learn to create architectural sketches, presentation drawings for homes and light commercial buildings. See designs come to life through model mockups and 3D printing.

## **COMPUTER SECURITY**

**Course Location: CCRESA**

**Prerequisites: Students must have local approval based on high school graduation requirements.**

The Computer Security program is designed to start students on a Cybersecurity Pathway. It provides an in-depth look at Cybersecurity, how computers and networks operate. Overview of Operating Systems and Hardware, Principles of Security, Introduction to Cryptography, Physical Security, Web Security, Malicious Software and Attacks, Vulnerabilities and how to defend them. You will install, configure, and secure various operating systems. You will also troubleshoot computers and peripherals, using systems tools and other diagnostic software. You will have the opportunity to develop the skills in building, maintaining, and administering modern computer networks. Enjoy some friendly competition? Compete in different Cyber Challenges and Play Capture the Flag (CTF) competitions. You will also meet with workers in the Cyber Security Industry from around the state, from both the Government and Public Sector. Upon successful completion of the Computer Security Program, you may qualify to take the CompTIA A+ certification.

## **CONSTRUCTION TRADES -Year I**

**Course Location: CCRESA**

**Prerequisite for Construction Trades I: Students must have local approval based on high school graduation requirements.**

This course will be taught using a combination of presentations both in the laboratory and on the job site. Lumber industry careers, blueprint reading, estimating, and safety will be covered. Students will become acquainted with the procedures for purchasing land, developing sites, securing utilities, hiring contractors, securing permits, building procedures and project closeout. Students will be exposed to blueprint reading, estimating, ordering materials, and installing materials according to codes and specifications.

The student will demonstrate substantial proficiency in the basic building procedures and practices.

Emphasis will be placed on the need for safe work habits and the development of cooperative working relations.

The student must develop an ability to see a job that needs to be done and do it.

## **CONSTRUCTION TRADES - Year 2**

**Course Location: CCRESA**

**Prerequisites: 1) Students must have local approval based on high school graduation requirements. 2) Construction Trades I. 3) Students must complete the intent to return process. 4) Instructor Approval**

Coursework will expand on first-year topics in an applied lab setting. The course may include a major residential building project.

**CRIMINAL JUSTICE - Year 1****Course Location: CCRESA**

**Prerequisites:** 1) Students must have local approval based on high school graduation requirements. 2) No Criminal History. 3) Instructor Approval. 4) Students will be required to purchase a “uniform”.

If the legal industry excites you, this program may be a great fit! This program starts with being introduced to the components of the criminal justice system. You will examine corrections, courts, police systems, as well as history, relationships, administration, and philosophy of the criminal justice system. You will learn the importance of community-based corrections services including sentencing alternatives and process, probation, parole, and imprisonment. Criminal investigation will cover the rules of evidence from its history development through the present day. You will learn all this using real world cases. You will also earn your first aid certification.

**CRIMINAL JUSTICE - Year 2****Course Location: CCRESA**

**Prerequisites:** 1) Students must have local approval based on high school graduation requirements. 2) No Criminal History. 3) Criminal Justice Year 1 with a minimum grade of 2.0 4) Students will be required to purchase a “uniform” along with black leather boots. 5) Students must complete the intent to return process. 6) Instructor Approval.

Coursework will expand on first-year training at a higher tempo with emphasis on academics, hands-on participation, and physical fitness. Each student will participate in:

- Community Service
- SkillsUSA Competitions and Leadership activities
- Multiple job shadows with various Clinton County Criminal Justice agencies
- Field Trips
- Students create a resume, sample cover letter, & participate in mock job interviews with members of the criminal justice advisory committee.

**EDUCATION: EARLY CHILDHOOD - Year 1 & 2****Course Location: CCRESA**

**Prerequisite:** 1) Students must have local approval based on high school graduation requirements.

Early childhood development is a foundation for over 100 careers and understanding how children grow and develop is important to many fields beyond education and daycare. Understanding child development impacts the fields of: Pediatric Medicine, Therapy Specialists, Mental Health, Family Services, General Services, and Legal and Nonprofit careers. In addition, you will learn about guiding children’s behavior and communicating effectively with children.

**SPORTS MEDICINE - Year 1****Course Location: St. Johns High School****Prerequisites: 1) Students must have local approval based on high school graduation requirements.**

This course is for those wishing to pursue a profession in Sports Medicine. Included in this course are components of kinesiology, exercise science, physical activity, injury prevention, rehabilitation, nutrition, and maintaining a healthy lifestyle. The opportunity to understand and navigate the college/university environment, value of learning, and student responsibilities within the healthcare culture, interprofessional education, ethical and legal issues, employment opportunities, and market demands. All of this while having the opportunity for hands-on experiences and real-world situations.

**SPORTS MEDICINE - Year 2 - NASM Certified Personal Trainer****Course Location: St. Johns High School****Prerequisites: Sports Medicine I**

This course is designed for individuals aiming to become certified personal trainers through the National Academy of Sports Medicine (NASM). The curriculum expands on foundational knowledge and skills acquired in the Year One Sports Medicine program, with a concentrated focus on personal training. This program is 80% online, requiring self-motivated individuals who are disciplined with time management and independent work, as students will meet with their instructor once a week. Key areas of study include advanced kinesiology, exercise physiology, program design, client assessment, corrective exercise and performance enhancement. Students will delve deeper into nutrition science, behavior change strategies and professional responsibilities, all integral to personal training. The course also covers business aspects, such as client management, marketing and legal considerations to prepare students for a successful career in personal training. A significant emphasis is placed on practical hands-on experiences. Students will have opportunities to shadow Personal Trainers working directly with clients, participate in fitness assessments and develop personalized training programs. Additionally, job shadowing and work-based learning with local fitness professionals and organizations will provide real-world insights and networking opportunities.

## **VIDEO AND AUDIO PRODUCTION - Year 1**

**Course Location: Ovid-Elsie High School**

**Prerequisite:** Students must have local approval based on high school graduation requirements.

This course is an integration of Video production, audio production and digital media production.

**Video Production:** This program is an extensive hands-on experience in all facets of video production, both in studio and in the field. The class contains a broadcast journalism unit featuring TV newscasts using a professional broadcast TV news set. You will also learn the role of reporter, photographer, drone photographer, director, writer, producer, and editor.

**Audio Production:** This component of the course emphasizes the creation of audio projects including commercials, podcasts, dramatic work, talk shows, and music. Audio fundamentals and advanced audio production are covered.

**Digital Media Production:** Learn to integrate video and audio programs into digital media formats. Emphasis will be on taking finished programs and converting them into streaming media.

## **VIDEO AND AUDIO PRODUCTION INTERNSHIP - Year 2**

**Course Location: Ovid-Elsie High School**

**Prerequisites:** 1) Students must have local approval based on high school graduation requirements. 2) Digital Media Arts I 3) Students must complete the intent to return process. 4) Instructor Approval.

Students will pick either a Television or Radio track. The focus of this course is deep exploration of the theory and practice of what it takes to be a successful TV or Radio professional. In addition to working every day at a Radio or Television Station, students will be expected to complete at least one major original work and enter it for competition. Students will also help teach other students. After successful completion of this course, students will have extensive “real-world” experience in TV or Radio. Students will have developed practical skills that will make them employable in their chosen area of concentration. They will also be exceptionally prepared for further study at the college level.

In general, students will:

- Perform day-to-day job duties as WOES-TV or Radio staff member
- Complete one or more long-form special project(s)
- Be expected to take responsibility for learning advanced software and hardware components
- Be expected to act as mentors and help instruct Year I students
- Complete other academic and extracurricular duties as assigned

Specifically, each student will:

- Receive a personalized course of study
- Be assigned to a TV or Radio job position
- Have written performance evaluations every month
- Take midterm and final exams each semester to assess level of mastery of academics pertaining to their chosen field
- Be guided through the process of producing a major work for TV or Radio

## **WELDING I/WELDING II**

**Course Location: Ovid-Elsie High School**

**Prerequisites: 1) Students must have local approval based on high school graduation requirements.**

Clinton County Career Connections welding is the intro for stick, mig, tig, and cutting processes for metals of all types. Students will learn fabrication and techniques for current industry requirements and job placements. Average pay rate for a two-year experienced welder and fabricator are upwards of 50-100k per year. Experienced welders making upwards of 170k per year. Fabrication and welding industries are in high demand and are increasing. Projects will be assigned and built during class from the students' drawings and blueprints. Steel, aluminum, stainless steel, and cast iron are used in the class and are welded with up-to-date welding machines and processes. Advanced students can learn pipeline welding procedures as well.

# **Eaton Intermediate School District (EISD)**

Eaton Intermediate School District offers the following courses for our students. If there is additional interest in courses not identified here, please see your counselor. Each class is year-long and replaces 2 classes each trimester and Seminar.

Enrollment for the following courses includes a field trip to Lansing Community College. Students meeting academic and attendance standards in courses at L.C.C. may also receive college credit. Transportation for these classes is the responsibility of the student/parent.

## **HEAVY EQUIPMENT OPERATOR**

Learn skills for your lifetime! This program provides students with an orientation to the heavy equipment industry including heavy equipment safety, equipment maintenance and basic operation techniques. Included will be the techniques of underground construction including grades, below grade construction, and earth moving. Also covered is how to lay pipe and cable including the different kinds of soils and processes used in different kinds of construction. This can be Part Two of a two-year program. If college level work is attained, students may earn up to 8 articulated LCC credits after two years.

Student learning outcomes include but are not limited to:

- Orientation to the trade
- Heavy equipment safety
- Identification of heavy equipment
- National Center for Construction Education and Research  
Entry level Certification in: Excavator, Front End Loader, Bulldozer, Forklift, and Backhoe
- Below grade construction
- Earthmoving methods
- Soil compaction
- Introduction to Grades including:  
Site Preparation  
Site Grading Plans Overview and layout

## **HEAVY EQUIPMENT REPAIR**

Learn skills for your lifetime! Classroom and hands on repair of construction and farm equipment. This is a unique opportunity for you to be trained at AIS Construction Company, a state-wide heavy equipment dealer. Tasks and skills learned will include operating a diesel engine; perform common repairs on modern diesel engines including routine maintenance according to industry guidelines; basic electricity; fundamentals of hydraulics including tearing down and assembling hydraulic components and cylinders; heavy equipment power trains; disassembling and reassembling transmissions and axle assemblies; applying all course content to the latest technology coming in from construction and farm equipment manufacturers. Part One of a two-year program. If college level work is attained, students may earn up to 8 articulated LCC credits after two years.

Student learning outcomes include but are not limited to:

- Basic shop principles
- Diesel engines
- Basic electrical
- Equipment powertrain
- Basic equipment hydraulics
- Welding

## **Course Location: AIS Construction Equipment Company**

## **Course Location: AIS Construction Equipment Company**

Learn skills for your lifetime! Classroom and hands on repair of construction and farm equipment. This is a unique opportunity for you to be trained at AIS Construction Company, a state-wide heavy equipment dealer. Tasks and skills learned will include operating a diesel engine; perform common repairs on modern diesel engines including routine maintenance according to industry guidelines; basic electricity; fundamentals of hydraulics including tearing down and assembling hydraulic components and cylinders; heavy equipment power trains; disassembling and reassembling transmissions and axle assemblies; applying all course content to the latest technology coming in from construction and farm equipment manufacturers. Part One of a two-year program. If college level work is attained, students may earn up to 8 articulated LCC credits after two years.

Student learning outcomes include but are not limited to:

- Basic shop principles
- Diesel engines
- Basic electrical
- Equipment powertrain
- Basic equipment hydraulics
- Welding

## Assessment Tests

- The PSAT 9 is administered to all freshmen in April of each year.
- The PSAT 10 is administered to all sophomores in April of each year.
- The PSAT/NMSQT (Preliminary Scholastic Aptitude Test) is offered in October of the junior year as a practice test for the SAT.

The Michigan Merit Exam (MME) will be given to all juniors in April of each year. The MME has three components:

- The SAT
- WIN Test
- M-STEP

All juniors will be taking the SAT in April at SJHS as part of the Michigan Merit Exam. Registration for the April test only will be handled by the school. Information on the SAT is available at [www.collegeboard.com](http://www.collegeboard.com).

The ACT will be an optional test given on specific Saturdays throughout the year. Registration information is available on-line at [www.actstudent.org](http://www.actstudent.org).

## Testing Out

A student may “test out” of a course if they can demonstrate proficiency in the course material. Each course has a different set of criteria for testing out which can range from passing the final exam to completing independent work, and/or portfolio assignments in addition to a required final exam. In all cases a C+ (77%) is the minimum score required for “passing”. Students who earn a C+ (77%) or better will earn credit for the class and are allowed to enroll in the next course in the sequence. Students who earn credit for the course through “testing out” will have a letter grade recorded on their transcript which will not be calculated into a student’s cumulative grade point average.

Where other activities are required to demonstrate mastery in a course for the purpose of testing out, in place or in addition to a testing out exam, the student might be required to complete the assignments in advance of the testing out period and submit those assignments at the time of the testing out period.

Students are given the opportunity to test out once each calendar year. Testing out will occur on a designated date in April.

Students requesting to test out, must complete a Request to Test Out Form and have it turned into the counseling office.

# NCAA Eligibility Center Quick Reference Guide

Refer to [www.eligibilitycenter.org](http://www.eligibilitycenter.org) for further information

## Division I and II Initial-Eligibility Requirements

### Core Courses

NCAA Divisions I and II require 16 core courses.

#### Division I

##### 16 Core Courses

- 4 years of English
- 3 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 1 year of additional English, mathematics, or natural/physical science
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language, or comparative religion/philosophy)

#### Grade-Point Average

- Be sure to look at your high school's List of NCAA Courses on the NCAA Eligibility Center's website ([www.eligibilitycenter.org](http://www.eligibilitycenter.org)). Only courses that appear on your school's List of NCAA Courses will count toward the 16 core-course requirements. Use the list as a guide.
- The NCAA Eligibility Center calculates your grade-point average based only on grades you earn in NCAA-approved core courses.
- Division I requires a minimum 2.3 GPA
- Division II requires a minimum 2.2 GPA

#### Division II

##### 16 Core Courses

- 3 years of English
- 2 years of mathematics (Algebra I or higher)
- 2 years of natural/physical science (1 year of lab if offered by high school)
- 2 years of social science
- 4 years of additional courses (from any area above, foreign language, or comparative religion/philosophy)
- 3 years of additional English, mathematics, or natural/physical science

# Military Information

**U.S. Air Force**  
341 N. Marketplace Blvd  
Lansing, MI 48917  
(517) 393-4174  
[www.airforce.com](http://www.airforce.com)

**U.S. Army**  
5754 W. Saginaw Hwy  
Lansing, MI 48917  
[www.goarmy.com](http://www.goarmy.com)

**U.S. Marines**  
314 N Marketplace Blvd.  
East Lansing, MI  
(734) 516-4645  
[www.marines.com](http://www.marines.com)

**U.S. Navy**  
341 N. Marketplace Blvd.  
Lansing, MI 48911  
(517) 393-0224  
[www.navy.com](http://www.navy.com)

**U.S. Coast Guard**  
(706)-815-6646  
[www.gocoastguard.com](http://www.gocoastguard.com)

**Air National Guard**  
3545 Mustang Ave  
Battle Creek, MI 49037  
517-388-8774  
Recruiter: Tsgt Aylex Cunneen  
[aylex.cunneen.1@us.af.mil](mailto:aylex.cunneen.1@us.af.mil)  
[www.airforce.com](http://www.airforce.com)

**Michigan Army National Guard**  
5154 W Saginaw Hwy.  
Lansing, MI 48917  
(517) 763-3748  
[Tanner.J.Hitchcock.mil@army.mil](mailto:Tanner.J.Hitchcock.mil@army.mil)  
[www.nationalguard.com/michigan](http://www.nationalguard.com/michigan)

# College & Career Websites

ACT Test  
College Board  
Michigan Talent Connect  
Career, College and Military Planning  
Peterson's Test Prep Courses  
US News Education

[www.actstudent.org](http://www.actstudent.org)  
[www.collegeboard.com](http://www.collegeboard.com)  
[www.mitalent.org](http://www.mitalent.org)  
[www.myfuture.com](http://www.myfuture.com)  
[www.petersons.com](http://www.petersons.com)  
[www.usnews.com/education](http://www.usnews.com/education)

# Financial Aid Website

Federal Student Aid  
Federal Student Aid Estimator  
Find Scholarships  
Go-to Guide for College Financial Aid  
Foster Youth in Transition  
Michigan Rehabilitation Services  
St. Johns Public Schools  
Michigan Education Savings Program  
Nat. Assoc. of Student Financial Aid  
Sallie Mae Student Loans  
Michigan Education Trust  
MI 529 Advisor Plan  
State of Michigan

[www.studentaid.gov/h/apply-for-aid/fafsa](http://www.studentaid.gov/h/apply-for-aid/fafsa)  
[www.studentaid.gov](http://www.studentaid.gov)  
[www.fastweb.com](http://www.fastweb.com)  
[www.finaid.org](http://www.finaid.org)  
[www.michigan.gov/fyit](http://www.michigan.gov/fyit)  
[www.michigan.gov/mrs](http://www.michigan.gov/mrs)  
[www.sjredwings.org](http://www.sjredwings.org)  
[www.misaves.com](http://www.misaves.com)  
[www.nasfaa.org](http://www.nasfaa.org)  
[www.salliemae.com](http://www.salliemae.com)  
[www.setwithmet.com](http://www.setwithmet.com)  
[www.mi529advisor.com](http://www.mi529advisor.com)  
[www.michigan.gov/mistudentaid](http://www.michigan.gov/mistudentaid)

# Steps to Applying for Financial Aid

- 1. Apply for admission as well as financial aid** - Before a student's chances for aid can be determined, many colleges require an application both for admission and for financial aid. Since application deadlines vary from institution to institution, you may want to develop a calendar of important dates. In any case, it is wise to apply as early as you can.
- 2. Submit required financial aid forms** – File all required forms for financial aid consideration at the college(s) you are contemplating. This includes the correct year's **Free Application for Federal Student Aid (FAFSA)** and obtaining a Federal Student Aid ID (FSAID).

Note: Students should file only one FAFSA regardless of how many colleges they are considering. The FAFSA includes a section for students to list the colleges to which they want their information sent.

Go to [www.studentaid.gov](http://www.studentaid.gov) to complete and submit the form online. The website includes deadlines, instructions for completing the form and follow up procedures to check on the status of your form. **During your senior year, complete and submit the FAFSA after October 1st.**

The FAFSA collects demographic and financial information from students and parents to be used to determine an Expected Family Contribution (EFC) – the figure used to determine a student's eligibility for Federal Pell Grants, Other federal financial aid programs, and many state programs. The EFC is determined according to formulas set periodically by the U.S. Congress. You should also check with each college to determine if there are additional forms the college requires you to file. Be sure to file all forms in time to meet the colleges' financial aid application deadlines. Note: Admissions and financial aid deadlines are often different; be sure to meet each requirement.

- 3. Apply for scholarships and grants** – Besides aid offered directly by a college and aid for which your FAFSA form is an automatic application (for example, a Federal Pell Grant), be sure to inquire about state scholarship, grant and loan programs. Ask about institutional, community, foundation, and corporation programs as well. To be considered for financial aid directly through the State of Michigan, enter code number 2076 to have your SAT scores sent directly to the financial aid office for the State of Michigan.
- 4. Keep track of progress** – Monitor all the information you receive from individual college business offices regarding fees, payment schedules, etc. Include this information in your college planning.

# Types of Financial Scholarships

**Scholarships** – Non-repayable awards based on merit or merit plus need

**Grants** – Non-repayable awards based on need

**Loans** – Educational loans are available through private lending institutions, colleges, and the federal government. Most educational loans have low interest rates with payments deferred while the student is enrolled in school. Loan programs are also available to eligible parents to help with college expenses for their qualifying children. Loans must be repaid.

**Work study programs** – Jobs that allow students to earn money toward their expenses while they are enrolled in school. (Students can sometimes get jobs related to their program of study.)

Sources of financial assistance include the federal government, state agencies, professional and service organizations, private foundations, and individual postsecondary schools. Your school counselor can help you determine the programs you may be eligible for and how to apply.

## Applying for Scholarships

1. Start early. Begin looking into possibilities early in your high school career. Be ready to locate and complete applications early in the senior year.
2. Be aware of deadlines. Scholarship applications become available throughout a student's senior year, and sometimes are due only weeks after being publicized. SJHS uses the bulletin boards near the counselor's office as well as the daily bulletin and website to post information.
3. Check for scholarship opportunities with your place of employment, your church, or any organizations to which you belong, etc. Also, the Internet, books, and Xello are additional scholarship services.
4. Be organized and aware of deadlines. Make copies of everything. Make sure teachers and counselors are given plenty of time to prepare letters of recommendations, transcripts, etc.
5. Beware of any service that asks you to pay for scholarship searches or wants to charge you for completing the free application for Federal Student Aid (FAFSA). You can get free information about scholarships on the internet, at your local library or in the counseling center.
6. More information regarding scholarship scams can be found at:  
<https://consumer.ftc.gov/jobs-and-making-money/education-and-training>

# Directory of Michigan Colleges and Universities

INSTITUTION NAME	ADMISSIONS	WEBSITE
State of Michigan		<a href="http://www.michigan.gov/studentaid">www.michigan.gov/studentaid</a>
NCAA		<a href="http://www.ncaa.org">www.ncaa.org</a>
Adrian College	800-877-2246	<a href="http://www.adrian.edu">www.adrian.edu</a>
Albion College	517-629-1000	<a href="http://www.albion.edu">www.albion.edu</a>
Alma College	989-463-7111	<a href="http://www.alma.edu">www.alma.edu</a>
Alpena Community College	989-356-9021	<a href="https://discover.alpenacc.edu/">https://discover.alpenacc.edu/</a>
Andrews University	800-253-2874	<a href="http://www.andrews.edu">www.andrews.edu</a>
Aquinas College	616-632-8900	<a href="http://www.aquinas.edu">www.aquinas.edu</a>
Baker College of Auburn Hills	855-487-7888	<a href="http://www.baker.edu">www.baker.edu</a>
Baker College of Cadillac	855-487-7888	<a href="http://www.baker.edu">www.baker.edu</a>
Baker College of Flint	855-487-7888	<a href="http://www.baker.edu">www.baker.edu</a>
Baker College of Jackson	855-487-7888	<a href="http://www.baker.edu">www.baker.edu</a>
Baker College of Clinton Twp.	855-487-7888	<a href="http://www.baker.edu">www.baker.edu</a>
Baker College of Muskegon	855-487-7888	<a href="http://www.baker.edu">www.baker.edu</a>
Baker College of Owosso	855-487-7888	<a href="http://www.baker.edu">www.baker.edu</a>
Baker College of Port Huron	855-487-7888	<a href="http://www.baker.edu">www.baker.edu</a>
Bay Community College	906-789-5802	<a href="http://www.baycollege.edu">www.baycollege.edu</a>
Calvin University	616-526-6000	<a href="http://www.calvin.edu">www.calvin.edu</a>
Central Michigan University	989-774-4000	<a href="http://www.cmich.edu">www.cmich.edu</a>
Charles S. Mott Community College	810-762-0200	<a href="http://www.mcc.edu">www.mcc.edu</a>
Cleary University	800-686-1883	<a href="http://www.cleary.edu">www.cleary.edu</a>
College for Creative Studies	313-664-7400	<a href="http://www.collegeforcreativestudies.edu">www.collegeforcreativestudies.edu</a>
Concordia University	734-995-7300	<a href="http://www.cuaa.edu">www.cuaa.edu</a>
Cornerstone University	616-949-5300	<a href="http://www.cornerstone.edu">www.cornerstone.edu</a>
Davenport University-Midland	989-835-5588	<a href="http://www.davenport.edu">www.davenport.edu</a>
Davenport University-Dearborn	313-481-2800	<a href="http://www.davenport.edu">www.davenport.edu</a>
Davenport University-Grand Rapids	800-686-1600	<a href="http://www.davenport.edu">www.davenport.edu</a>
Davenport University-Kalamazoo	269-382-2835	<a href="http://www.davenport.edu">www.davenport.edu</a>
Davenport University-Lansing	517-484-2600	<a href="http://www.davenport.edu">www.davenport.edu</a>
Delta College	989-686-9093	<a href="http://www.delta.edu">www.delta.edu</a>
Eastern Michigan University	734-487-3060	<a href="http://www.emich.edu">www.emich.edu</a>
Glen Oaks Community College	616-467-9945 x320	<a href="http://www.glenoaks.edu">www.glenoaks.edu</a>
Gogebic Community College	906-932-4231 x207	<a href="http://www.gogebic.edu">www.gogebic.edu</a>
Grace Christian University	616-538-2330	<a href="http://www.gracechristian.edu">www.gracechristian.edu</a>

INSTITUTION NAME	ADMISSIONS	WEBSITE
Grand Rapids Community College	616-234-4100	<a href="http://www.crcc.edu">www.crcc.edu</a>
Grand Valley State University	616-331-5000	<a href="http://www.gvsu.edu">www.gvsu.edu</a>
Great Lakes Christian College	517-321-0242	<a href="http://www.glcc.edu">www.glcc.edu</a>
Great Lakes Maritime Academy	877-824-7447	<a href="http://www.hmc.edu">www.hmc.edu</a>
Henry Ford Community College	313-845-9600	<a href="http://www.hfcc.edu">www.hfcc.edu</a>
Hillsdale College	517-437-7341	<a href="http://www.hillsdale.edu">www.hillsdale.edu</a>
Hope College	616-395-7000	<a href="http://www.hope.edu">www.hope.edu</a>
Jackson Community College	517-796-8425	<a href="http://www.jccmi.edu">www.jccmi.edu</a>
Kalamazoo College	269-337-7000	<a href="http://www.kzoo.edu">www.kzoo.edu</a>
Kellogg Community College	269-965-3931	<a href="http://www.kellogg.edu">www.kellogg.edu</a>
Kendall College of Art & Design of Ferris State University	800-676-2787	<a href="http://www.Kcad.ferris.edu">www.Kcad.ferris.edu</a>
Kettering University	800-955-4464	<a href="http://www.kettering.edu">www.kettering.edu</a>
Kirtland Community College	866-247-6440	<a href="http://www.kirtland.edu">www.kirtland.edu</a>
Lake Michigan College	269-927-1000	<a href="http://www.Lakemichigancollege.edu">www.Lakemichigancollege.edu</a>
Lake Superior State University	906-632-6841	<a href="http://www.lssu.edu">www.lssu.edu</a>
Lansing Community College	517-483-1957	<a href="http://www.lcc.edu">www.lcc.edu</a>
Lawrence Technological University	248-204-4000	<a href="http://www.ltu.edu">www.ltu.edu</a>
Lewis College of Business	313-862-6300	
Macomb Community College	586-445-7999	<a href="http://www.macomb.edu">www.macomb.edu</a>
Madonna University	734-432-5300	<a href="http://www.madonna.edu">www.madonna.edu</a>
Marygrove College	313-927-1200	<a href="http://www.marygrove.edu">www.marygrove.edu</a>
Michigan State University	517-355-1855	<a href="http://www.msu.edu">www.msu.edu</a>
Michigan Tech University	906-487-1885	<a href="http://www.mtu.edu">www.mtu.edu</a>
Mid Michigan Community College	989-386-6622	<a href="http://www.midmich.edu">www.midmich.edu</a>
Monroe County Community College	734-242-7300	<a href="http://www.monroecc.edu">www.monroecc.edu</a>

INSTITUTION NAME	ADMISSIONS	WEBSITE
Muskegon Community College	231-773-9131	<a href="http://www.muskegoncc.edu">www.muskegoncc.edu</a>
North Central Michigan College	888-298-6605	<a href="http://www.ncmich.edu">www.ncmich.edu</a>
Olivet College	800-456-7189	<a href="http://www.olivetcollege.edu">www.olivetcollege.edu</a>
Reformed Bible College	888-722-1517	<a href="http://www.reformantionbiblecollege.org">www.reformantionbiblecollege.org</a>
Rochester University	248-218-2000	<a href="http://www.rochesteru.edu">www.rochesteru.edu</a>
Sacred Heart Major Seminary	313-883-8500	<a href="http://www.shms.edu">www.shms.edu</a>
Saginaw Valley State University	989-964-4000	<a href="http://www.svsu.edu">www.svsu.edu</a>
Siena Heights University	800-521-0009	<a href="http://www.sienahights.edu">www.sienahights.edu</a>
St. Clair County Community College	810-984-3881	<a href="http://www.sc4.edu">www.sc4.edu</a>
Schoolcraft College	734-462-4400	<a href="http://www.schoolcraft.edu">www.schoolcraft.edu</a>
Southwestern Michigan College	800-456-8675	<a href="http://www.swmich.edu">www.swmich.edu</a>
Spring Arbor University	800-968-9103	<a href="http://www.arbor.edu">www.arbor.edu</a>
University of Detroit Mercy	313-993-1245	<a href="http://www.udmercy.edu">www.udmercy.edu</a>
University of Michigan-Ann Arbor	734-936-2938	<a href="http://www.umich.edu">www.umich.edu</a>
University of Michigan-Dearborn	313-593-5000	<a href="http://www.umdearborn.edu">www.umdearborn.edu</a>
University of Michigan-Flint	810-762-3300	<a href="http://www.umflint.edu">www.umflint.edu</a>
Walsh College-Clinton Twp.	248-689-8282	<a href="http://www.walshcollege.edu">www.walshcollege.edu</a>
Washtenaw Community College	734-973-3300	<a href="http://www.wccnet.edu">www.wccnet.edu</a>
Wayne County Community College	313-496-2600	<a href="http://www.wcccd.edu">www.wcccd.edu</a>
Wayne State University	313-577-2424	<a href="http://www.wayne.edu">www.wayne.edu</a>
Western Michigan University	269-387-1000	<a href="http://www.wmich.edu">www.wmich.edu</a>
West Shore Community College	231-845-6211	<a href="http://www.westshore.edu">www.westshore.edu</a>