

2014-2015

CURRICULUM GUIDE

For
Mendon Middle High School



A parent and student guide for:

- Course Descriptions
- Career Pathways
- Enrollment Information

Welcome to Mendon High School!

We want you to take full advantage of the well-rounded education available to you throughout your high school experience. You, your parents, and the Mendon Community School District share responsibility for preparing you to be a successful, productive citizen. Please be assured we will do everything we can to play our part and we expect you to do the same. We want your expectations of us to be just as high as our expectations of you.

You can expect a safe, warm, and supportive environment for your studies. The teachers of Mendon High School will do everything they can to help you reach your highest potential. Our administrative team will work with you and your teachers to keep learning as this school's highest priority. We are proud of Mendon High School graduates and their contributions to society. Someday, not too far in the future, you will be a proud graduate of this school.

The most successful schools enjoy a free-flow of communications between and among parents, students, teachers, and administrators. The information included in this guide is a very important piece in that communication process. Students and parents should promise each other to talk often about the choices facing high school students. Many of those choices are outlined in the pages which follow.

Thank you for continuing your education at Mendon High School.

Sincerely,

Robert Kuhlman
Superintendent

The Mendon Board of Education **Statement of Assurance of Compliance with Federal Laws on Anti-Discrimination**

The Mendon Board of Education complies with all federal laws and regulations prohibiting discrimination and with all requirements and regulations of the U. S. Department of Education. It is the policy of the Mendon Board of Education that no person, on the basis of race, color, religion, national origin or ancestry, age, gender, marital status, disability, or lack of English skills, shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise subjected to discrimination in any program or activity to which it is responsible to or for which it receives financial assistance from the U. S. Department of Education.

The grievance procedure and forms for grieving are available in the principal's office of any administrative unit in the Mendon Community School District. For further information, contact Robert Kuhlman, Superintendent.



We Believe . . .

It is the mission of the Mendon Community School District to provide the human and physical resources which assure a comprehensive curriculum and positive learning environment. *It is the vision of the district to instill a desire to learn; a sense of self-awareness of their needs and abilities; respect and understanding of themselves and others; responsibility for decisions and actions; competence in problem solving; and the development of essential skills and talents to become contributing members of our changing society.*



We Believe . . .

It is the mission of Mendon High School to facilitate learning by providing students with the basic opportunity to function responsibly as self-respecting, creative individuals in a rapidly changing global society.

Administration

Robert Kuhlman, Superintendent
Marc Kramer, Principal
Leasa Griffith, Co - Athletic Director
Glen Samson, Co - Athletic Director

Members of the Board of Education

Roger Cupp, President
Dune Batten, Vice President
Linda Thompson, Treasurer
Regina Schinker, Secretary
Chris Ames, Trustee
Shane Griffith, Trustee
Keith Heitkamp, Trustee

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⓪Mendon High School Promotes and Encourages Drug-Free Choices⓪



Academic Information

- Mendon High School is a fully accredited institution through the State of Michigan. Students graduating from Mendon High School will be granted diplomas on the basis of the successful completion of graduation requirements, which are detailed on pages 7 and 8.
- In keeping with Public Act 335, a student may request to test out of a course prior to enrolling in the course (with the exception of Government). Students wishing to "test out" should see the counselor or the high school principal for information on procedures.
A complete listing of course descriptions begins on page 22.
- A post-secondary option (dual enrollment) is available at Mendon High School. Students wishing to participate should see the counselor for more information about requirements regarding this option.
- Juniors are required to take the Michigan Merit Exam (MME) as well as the ACT.

Guidance and Counseling

At Mendon High School, the guidance and counseling staff provide a setting where students may discuss in confidence anything that is important to them. The staff will also provide information about the selection of classes, planning a high school program, information about the number of earned credits and their needs for graduation, as well as post-high school plans. Students may stop at the counseling office and make appointments by "signing in" before or after school or between classes. Or, they may call:

| | |
|---------------------|----------|
| High School Office: | 496-8491 |
| Guidance Office: | 496-9944 |

| | |
|-----------------------|---------------------|
| Guidance Counselor: | Megan Sorensen |
| Guidance Secretary: | Leigh Ann Hagenbuch |
| School Social Worker: | Marian Heddle-Key |



MICHIGAN'S NEW HIGH SCHOOL GRADUATION REQUIREMENTS

The State Board of Education, the Governor and the Michigan Legislature have approved high school graduation requirements to improve the rigor, relevance and outcomes of Michigan high schools in order to prepare students to succeed in their post-secondary education and subsequent careers in the competitive global economy of the 21st Century.

While the new requirements dramatically change the face of education in Michigan, ***parent involvement remains critical to a student's success.*** The failure of even one semester of a required course could result in your son or daughter being in danger of not graduating with his/her class. While local districts will continue to determine the total number of credits needed to graduate, the state has now set the number of credits in each subject area and, in many cases, specified the specific courses that must be taken in English, Mathematics, Science, Social Studies, Health/Physical Education, the Arts (visual, performing or applied), and World Languages. An online learning experience is also required.

With the exception of World Languages, these requirements are effective with the Class of 2011. If you have children who will graduate in 2011 or later, it is essential that you fully understand the requirements so you can guide your child in making sound academic decisions as she/he moves toward high school graduation.

Some key concepts are:

1. The new requirements apply to ALL students in public schools.
2. Local boards of education may add to these requirements.
3. In limited cases, modifications may be made. However, no "opt out" provision is allowed.
4. Any type of school day schedule may be utilized to meet these requirements.
5. There is room in the high school schedule for electives.
6. Accelerated, honors, and advanced placement classes will count towards the new graduation requirements if the content matches the Michigan Merit Curriculum course expectations.
7. Help is available for students. Parents are encouraged to check with their school for support opportunities.
8. A Personal Curriculum may be requested for students. Certain criteria applies before this option can be utilized. Check with your school for eligibility or click the link for more information. http://www.michigan.gov/mde/0,1607,7-140-6530_30334_49879---,00.html
9. All public school teachers in the designated content areas must meet the Federal certification and degree standards for highly qualified teachers.
10. Your child should be prepared to take the classes for these new requirements. All St. Joseph County public schools have a plan for K-12 curriculum that is based on grade level content expectations (K-8) and subject area content expectations (9-12).

For more information, go to www.sjcisd.org. On the menu bar, click on Resources, Students, then click on *New Graduation Requirements*. For questions specific to your child, contact your school district's building principal, curriculum director, Tech Prep/Career Prep Coordinator or counselor.

MICHIGAN MERIT CURRICULUM*

Minimum Requirements

High School Graduation Requirements
PA 123 and PA 124

| Subject Area | Description | Personal Curriculum (Modifications) |
|--|---|--|
| English Language Arts 4 credits | <ul style="list-style-type: none"> Aligned with subject content expectations developed by the Department and approved by the State Board of Education | ✓ No modification |
| Mathematics 4 credits | <ul style="list-style-type: none"> Algebra 1 Geometry Algebra 2 1 additional math or math-related credit Math or math-related credit in the final year | All students: ✓ Complete at least 3.5 math-related credits ✓ Complete a math or math-related credit in the final year All students: ✓ Complete 2.5 credits including .5 of Algebra 2 OR ✓ Complete a two year Career and Technical Education curriculum which includes .5 credit of Algebra 2 content OR ✓ Complete Algebra 2 over 2 years with credit given for each year |
| Science 3 credits | <ul style="list-style-type: none"> Biology Chemistry 1 additional Science credit | ✓ No modification |
| Social Studies 3 credits | <ul style="list-style-type: none"> .5 Civics .5 Economics U. S. History and Geography World History and Geography | ✓ No modification of Civics ✓ 2 credits earned ✓ Modified only if students takes additional credit(s) beyond the required credits in English Language Arts, Math, Science, or World Languages |
| Health and Physical Education 1 credit | <ul style="list-style-type: none"> Credit guidelines developed by the Michigan Department of Education | ✓ Modification only if student takes additional credit(s) beyond the required credits in English Language Arts, Math Science, or World Languages |
| Visual, Performing, Applied Arts 1 credit | <ul style="list-style-type: none"> Credit guidelines developed by the Michigan Department of Education | ✓ Modification only if student takes additional credit(s) beyond the required credits in English Language Arts, Math Science, or World Languages |
| World Languages 2 credits | Begins with the Class of 2016 <ul style="list-style-type: none"> Credits earned in Grades 9 - 12 OR <ul style="list-style-type: none"> An equivalent learning experience in grades K - 12 | ✓ No modification |
| Online Learning Experience | Online course or learning experience OR Online experience is incorporated into each of the required credits | ✓ No modification |

Source: Michigan Department of Education

NOTES:

- The Class of 2016 will need a total of 18 credits that include the original 16 required credits plus 2 credits of World Languages.
- Special Education students: The Individualized Education Plan (IEP) shall identify the appropriate course or courses of study and identify the supports, accommodations, and modifications necessary to allow the pupil to progress in the curricular requirements or in a Personal Curriculum, and meet the requirements for a high school diploma.

*Mendon school's graduation requirements are on page 8.

Online Courses

Online High School Courses are open to high school students in grades 9-12. In order to take an online course, students must have the Mendon Schools' Internet Agreement and the proper course information registered for the online class. High school students may earn a maximum of six (6) units of credit to be applied toward graduation requirements by completing online courses. A maximum of two (2) units of credit may be earned during any one school year. One (1) credit for an online course may be earned only in the following circumstances:

1. The course is not offered through the high school.
2. Although the course is offered at the high school, the student is unable to take it due to scheduling conflicts.
3. The course will serve as a supplement to summer school and extended homebound instruction.
4. The student has been expelled from the regular high school setting, but education services are required.
5. The principal, with the agreement of the student and his or her parent(s) determined that the student required differentiated or accelerated learning environment.
6. Students taking such courses must be enrolled in the district.
7. Before beginning the course, students must declare before they begin the course whether they want to receive a letter grade or credit (CR) for their Online Course.

The express approval of the principal shall be obtained before a student enrolls in a virtual/online course. Each virtual/online student approved for such study shall be assigned a mentor teacher responsible for supervision and monitoring. The school must receive an official record of the final grade before credit toward graduation will be granted. Students must complete the course according to the Online Class deadlines. Students who take AP courses will have to pay the cost of the AP exam.

**Classes may change from year to year.*

**For class descriptions and offerings please make an appointment with the Guidance Counselor.*

What Are Career Pathways?

- Career Pathways are clusters of occupations or careers grouped together because the people in them share similar interests, strengths, and skills.
- A Career Pathways Program offers students an Educational Development Plan (EDP) based on their personal interests, talents, abilities, and desired level of personal and career goals.
- Students begin their pathway approach in seventh grade through the Career Prep Workbooks. The workbooks promote exploration through career research, job-shadowing, guest speakers, and other activities. Students are encouraged to talk to their parents and school staff through middle school and prior to choosing a pathway. The Pathways Program allows parents, counselors, and teachers to assist students in striving to meet their personal and career goals.
- Students select one of six Career Pathways, which are quite broad so that most careers will fit into one of them. Students can then take classes relevant to their selected career goal. With Career Pathways, students make informed choices during their career decision-making process. The six pathways are:
 1. **Arts and Communication**
 2. **Business, Management, Marketing, and Technology**
 3. **Engineering/Manufacturing and Industrial Technology**
 4. **Health Sciences**
 5. **Human Services**
 6. **Natural Resources and Agriscience**
- On pages 10-21, you will find Career Pathway/EDP Guides for each of the six Career Pathways. They are broken down into two categories: Professional and Technical. It is highly recommended that students follow these guides through their chosen pathway.

Career Prep Coordinator

The goal of the Career Prep Process is to bring the community to school, and to take the school to the community. To help teachers, counselors, students, and businesses achieve this link, Mendon High School has designated an individual to serve as a Career Prep Coordinator. This person coordinates activities that help students learn more about their chosen Career Pathway. Student job-shadowing, visitations to industry, and student portfolio presentations are a few of the activities organized by the Career Prep Coordinators. Efforts are made to work with area businesses and representatives.

Landmarks Along the Pathway

Employability Skills

All students in grades 6-12 actively participate in learning these skills and documenting what they have learned in a personal portfolio.

Site Visits

Student tours and visits are scheduled to various industrial and business sites. These visits provide information about particular companies rather than about specific jobs.

Job-Shadowing

All students, after extensive career exploration, may spend two to three hours with a business person learning about that person's job and if it is a possible career choice.

ACT Explore and PLAN

In the spring of their 8th and 10th grade years, Mendon High School students are assessed in three areas: Reading, Mathematics and Science. The American College Test Service (ACT), though best known for college entrance examinations, has a very useful tool for schools to use in relating academic skills to career planning. As post-secondary plans take shape, this is a valuable tool for our counselor to guide students into making appropriate decisions about coursework to remediate or accelerate according to needs. The ACT is administered to juniors in the late winter. Doing so helps us measure academic progress and also provide students with current results to use for various post-secondary opportunities.

County Speakers' Bureau

All teachers can request a speaker on any classroom topic.

Sophomore Portfolio Presentations

As students reach the mid-point of their high school experience, they are expected to present their portfolios in an interview setting. A panel of school administrators and faculty, as well as occasional guests from the community, conducts interviews. Students benefit from the experience in many ways, especially in terms of planning more wisely during the last two years of high school.

Senior Exit Interviews

All Seniors are required to successfully complete an Exit Portfolio Interview in front of a panel of community members.

Academic Requirements

Basic requirements for any of these curriculum areas and for graduation from Mendon are as follows:

1. All 9th and 10th grade students must enroll in seven classes per semester.
2. All 11th and 12th grade students must enroll in seven classes per semester. Exception: those students enrolled in expanded learning opportunities, as defined in this guide.
3. Students with Individualized Education Plans (IEP's) or valid medical excuses may have reduced schedules with administrative and parental approval.
4. To qualify for a district-endorsed diploma, students must have satisfactory completion in the courses outlined on page 8, and the required credits for these courses must have been earned.



Progression of Graduation Requirements

CLASS OF 2015

| | | |
|-----------------------------|----------------------------|------------------------|
| English 4 credits | Social Studies 3 credits | Science* 3 credits |
| Math* 4 credits | Computers ½ Credit | Physical Ed. 1 credit |
| Health ½ credit | Life Management** 1 credit | Art/Fine Arts 1 credit |
| Elective Courses: 7 credits | | |

*Certain Career-Technical Education classes may be counted toward this requirement.

**Students are required to complete the following steps to be eligible for ½ credit in Life Skills:

- | | |
|------------------------------------|---------------------------------|
| 1. Freshman Orientation Activities | 2. Educational Development Plan |
| 3. Resume/Portfolio Workshops | 4. Career Fair |
| 5. Community Service | 6. Sophomore Interview |
| 7. Senior Interview | |

Credits needed to graduate: 25 Plus 4 hours of community service

CLASS OF 2016

| | | |
|-----------------------------|----------------------------|------------------------|
| English 4 credits | Social Studies 3 credits | Science* 3 credits |
| Math* 4 credits | Computers ½ Credit | Physical Ed. 1 credit |
| Health ½ credit | Life Management** 1 credit | Art/Fine Arts 1 credit |
| Elective Courses: 6 credits | | |

World Language 2 credits

*Certain Career-Technical Education classes may be counted toward this requirement.

**Students are required to complete the following steps to be eligible for ½ credit in Life Skills:

- | | |
|------------------------------------|---------------------------------|
| 1. Freshman Orientation Activities | 2. Educational Development Plan |
| 3. Resume/Portfolio Workshops | 4. Career Fair |
| 5. Community Service | 6. Sophomore Interview |
| 7. Senior Interview | |

Credits needed to graduate: 25 Plus 4 hours of community service

CLASS OF 2017

| | | |
|-----------------------------|----------------------------|------------------------|
| English 4 credits | Social Studies 3 credits | Science* 3 credits |
| Math* 4 credits | Computers ½ Credit | Physical Ed. 1 credit |
| Health ½ credit | Life Management** 1 credit | Art/Fine Arts 1 credit |
| Elective Courses: 6 credits | | |

World Language 2 credits

*Certain Career-Technical Education classes may be counted toward this requirement.

**Students are required to complete the following steps to be eligible for ½ credit in Life Skills:

- | | |
|------------------------------------|---------------------------------|
| 1. Freshman Orientation Activities | 2. Educational Development Plan |
| 3. Resume/Portfolio Workshops | 4. Career Fair |
| 5. Community Service | 6. Sophomore Interview |
| 7. Senior Interview | |

Credits needed to graduate: 25 Plus 4 hours of community service

CLASS OF 2018

| | | |
|-------------------------------|----------------------------|------------------------|
| English 4 credits | Social Studies 3 credits | Science* 3 credits |
| Math* 4 credits | Physical Ed. 1 credit | |
| Health ½ credit | Life Management** 1 credit | Art/Fine Arts 1 credit |
| Elective Courses: 6.5 credits | | |

World Language 2 credits

*Certain Career-Technical Education classes may be counted toward this requirement.

**Students are required to complete the following steps to be eligible for ½ credit in Life Skills:

- | | |
|------------------------------------|---------------------------------|
| 1. Freshman Orientation Activities | 2. Educational Development Plan |
| 3. Resume/Portfolio Workshops | 4. Career Fair |
| 5. Community Service | 6. Sophomore Interview |
| 7. Senior Interview | |

Credits needed to graduate: 25 Plus 4 hours of community service

NCAA REGULATIONS in Division I or II College Athletics

For students entering any college or university on or after August 1, 2016, your NCAA initial eligibility will be evaluated as follows:

NCAA Eligibility Standards / 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 or foreign language, comparative religion/philosophy). |
|--|---|

For Division I: The minimum grade point average in the 16 core courses and required ACT or SAT score vary according to the Initial-Eligibility Index below:

DIVISION I TEST SCORE INDEX

| Core GPA | SAT | ACT |
|---------------|-----|-----|
| 3.550 & above | 400 | 37 |
| 3.525 | 410 | 38 |
| 3.500 | 420 | 39 |
| 3.475 | 430 | 40 |
| 3.450 | 440 | 41 |
| 3.425 | 450 | 41 |
| 3.400 | 460 | 42 |
| 3.375 | 470 | 42 |
| 3.350 | 480 | 43 |
| 3.325 | 490 | 44 |
| 3.300 | 500 | 44 |
| 3.275 | 510 | 45 |
| 3.250 | 520 | 46 |
| 3.225 | 530 | 46 |
| 3.200 | 540 | 47 |
| 3.175 | 550 | 47 |
| 3.150 | 560 | 48 |
| 3.125 | 570 | 49 |
| 3.100 | 580 | 49 |
| 3.075 | 590 | 50 |
| 3.050 | 600 | 50 |
| 3.025 | 610 | 51 |

| Core GPA | SAT | ACT |
|----------|---------|-----|
| 3.000 | 620 | 52 |
| 2.975 | 630 | 52 |
| 2.950 | 640 | 53 |
| 2.925 | 650 | 53 |
| 2.900 | 660 | 54 |
| 2.875 | 670 | 55 |
| 2.850 | 680 | 56 |
| 2.825 | 690 | 56 |
| 2.800 | 700 | 57 |
| 2.775 | 710 | 58 |
| 2.750 | 720 | 59 |
| 2.725 | 730 | 59 |
| 2.700 | 730 | 60 |
| 2.675 | 740-750 | 61 |
| 2.650 | 760 | 62 |
| 2.625 | 770 | 63 |
| 2.600 | 780 | 64 |
| 2.575 | 790 | 65 |
| 2.550 | 800 | 66 |
| 2.525 | 810 | 67 |
| 2.500 | 820 | 68 |

| Core GPA | SAT | ACT |
|----------|---------|-----|
| 2.475 | 830 | 69 |
| 2.450 | 840-850 | 70 |
| 2.425 | 860 | 70 |
| 2.400 | 860 | 71 |
| 2.375 | 870 | 72 |
| 2.350 | 880 | 73 |
| 2.325 | 890 | 74 |
| 2.300 | 900 | 75 |
| 2.275 | 910 | 76 |
| 2.250 | 920 | 77 |
| 2.225 | 930 | 78 |
| 2.200 | 940 | 79 |
| 2.175 | 950 | 80 |
| 2.150 | 960 | 80 |
| 2.125 | 960 | 81 |
| 2.100 | 970 | 82 |
| 2.075 | 980 | 83 |
| 2.050 | 990 | 84 |
| 2.025 | 1000 | 85 |
| 2.000 | 1010 | 86 |

DIVISION I REQUIREMENTS

- ✓ Graduate from high school.
- ✓ Have a GPA of 2.3 (based on a maximum of 4.000) in a successfully completed core curriculum of at least 16 academic course units.

DIVISION II REQUIREMENTS (Requirements will change as of August 1, 2018)

- ✓ Graduate from high school.
- ✓ Have a GPA of 2.0 (based on a maximum of 4.000) in a successfully completed core curriculum of at least 16 academic course units.
- ✓ Have a combined score on the SAT verbal and math sections of 820 or a 68 sum on the ACT.
- ✓ Successful completion of a required core curriculum consisting of 16 core courses and a 2.0 grade-point average in the core curriculum.

If you have questions about NCAA eligibility, please call the NCAA Initial Eligibility Clearinghouse at (319) 337-1492 or Toll-Free at (877) 262-1492. You may also call the NCAA at (317) 917-6222.

Career Pathway: **ARTS AND COMMUNICATION**

Professional Pathway

Sample Occupations:

Anthropologist, Archeologist, Author, Chemist, Clergy, Counselor, Geologist, Mathematician, Meteorologist, Musician, Physicist, School Administrator, Social Worker, Teacher

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|--|---|---|--|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Algebra II or Trigonometry Economics Chemistry Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Trigonometry or Pre-Calculus Science Elective Career Core Elective Elective Elective Elective |
| <u>Career Preparation Activities:</u> <ul style="list-style-type: none"> • ACT/MME • ACT WorkKeys • ASVAB Test • Career Fair • College Nights • CTE Presentation • Educational Development Plan* • Freshman Orientation* • Job-Shadowing • PLAN Test • Resume/Portfolio Workshops* • Senior Exit Interview* • Sophomore Portfolio Presentations* | <u>Career Core Electives:</u> <div> Biology AP Biology Chemistry Computer Aided Design Elementary Tutor Environmental Science Externship Fine Arts (Selected courses) Food Fundamentals </div> <div> Hospitality-Related Occupations Industrial Arts (Selected courses) Intern Intro to Business Parenting and Child Development Spanish I, II, III Work and Family Writers Workshop </div> <u>Other Requirements:</u> <div> Community Service (4 hours minimum) Fine Arts Elective </div> <div> Life Management Elective Physical Education </div> | | |

****Required for ½ Life Management Credit***

Career Pathway: **ARTS AND COMMUNICATION**

Technical Pathway

Sample Occupations:

Actor, Broadcast Technician, Commercial Artist, Graphic Designer, Journalist, Photographer, Social Services Aide, Teacher Aide, Writer

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|--|--|--|---|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Economics Algebra II or Trigonometry Chemistry or Physics Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Math Elective Science Elective Career Core Elective Elective Elective Elective |
| <u>Career Preparation Activities:</u> <ul style="list-style-type: none"> • ACT/MME • ACT WorkKeys • ASVAB Test • Career Fair • College Nights • CTE Presentation • Educational Development Plan* • Freshman Orientation* • Job-Shadowing • PLAN Test • Resume/Portfolio Workshops* • Senior Exit Interview* • Sophomore Portfolio Presentations* | <u>Career Core Electives:</u> <div> AP Biology Chemistry Computer Aided Design Elementary Tutor Earth Science Externship Fine Arts (Selected courses) Food Fundamentals </div> <div> Hospitality-Related Occupations Industrial Arts (Selected courses) Intern Intro to Business Parenting & Child Development Spanish I, II, III Work and Family Writers Workshop </div> <u>Other Requirements:</u> <div> Community Service (4 hours minimum) Fine Arts Elective </div> <div> Life Management Elective Physical Education </div> | | |

****Required for ½ Life Management Credit***

Career Pathway: **BUSINESS, MANAGEMENT, MARKETING, AND TECHNOLOGY**

Professional Pathway

Sample Occupations:

Accountant, Auditor, City Manager, Computer Systems Analyst, Financial Analyst, Human Resource Manager, Market Research Analyst, Postmaster, Retail Sales Manager, Sales Engineer, Stockbroker

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|--|---|---|--|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Algebra II or Trigonometry Economics Chemistry Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Trigonometry or Pre-Calculus Science Elective Career Core Elective Career Core Elective Elective Elective |
| <u>Career Preparation Activities:</u> <ul style="list-style-type: none"> • ACT/MME • ACT WorkKeys • ASVAB Test • Career Fair • College Nights • CTE Presentation • Educational Development Plan* • Freshman Orientation* • Job-Shadowing • PLAN Test • Resume/Portfolio Workshops* • Senior Exit Interview* • Sophomore Portfolio Presentations* | <u>Career Core Electives:</u> <div> AP Biology Chemistry Computer Aided Design Computer Applications for Business Computer Systems Repair Computer Systems Technology Earth Science </div> <div> Externship Hospitality-Related Occupations Internship Intro to Business Marketing Education Spanish I, II, III </div> <u>Other Requirements:</u> <div> Community Service (4 hours minimum) Fine Arts Elective </div> <div> Life Management Elective Physical Education </div> | | |

****Required for ½ Life Management Credit***

Career Pathway: **BUSINESS, MANAGEMENT, MARKETING, AND TECHNOLOGY**

Technical Pathway

Sample Occupations:

Advertising Agent, Bank Teller, Bookkeeper, Cashier, Computer Operator, Court Clerk, Insurance Agent, Placement Specialist, Purchasing Agent, Real Estate Agent/Appraiser, Retail Sales, Secretary

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|--|---|--|---|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Economics Algebra II or Trigonometry Chemistry or Physics Career Core Elective CTE Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Math Elective Science Elective Career Core Elective CTE or Intern/Externship Elective Elective |
| <u>Career Preparation Activities:</u> <ul style="list-style-type: none"> • ACT/MME • ACT WorkKeys • ASVAB Test • Career Fair • College Nights • CTE Presentation • Educational Development Plan* • Freshman Orientation* • Job-Shadowing • PLAN Test • Resume/Portfolio Workshops* • Senior Exit Interview* • Sophomore Portfolio Presentations* | <u>Career Core Electives:</u> <div> Computer Aided Design Computer Applications for Business Computer Systems Technologies Desktop Publishing Early Childhood Education Externship </div> <div> Hospitality-Related Occupations Internship Marketing Education Spanish I, II, III Writers Workshop AP Biology </div> <u>Other Requirements:</u> <div> Community Service (4 hours minimum) Fine Arts Elective </div> <div> Life Management Elective Physical Education </div> | | |

****Required for ½ Life Management Credit***

Career Pathway: **ENGINEERING/MANUFACTURING AND INDUSTRIAL TECHNOLOGY**

Professional Pathway

Sample Occupations:

Air-Traffic Controller, Aircraft Pilot, Architect, Chemical Engineer, Civil Engineer, Electrical Engineer, Industrial Designer, Mechanical Engineer

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR | | | | | | | | | | | | | | | | | | |
|---|---|---|--|-------------------------|------------------------------|-----------------|------------|-----------|------------------------------------|-----------------------|----------------------------|---------------------------------|--------------------|---------------|------------|------------|--|-------------------------------------|--------------------------|--------------------|--------------------|
| English I World History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II U. S. History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Algebra II or Trigonometry Economics Chemistry Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Trigonometry or Pre-Calculus Science Elective Career Core Elective Elective Elective Elective | | | | | | | | | | | | | | | | | | |
| Career Preparation Activities: <ul style="list-style-type: none">• ACT/MME• ACT WorkKeys• ASVAB Test• Career Fair• College Nights• CTE Presentation• Educational Development Plan*• Freshman Orientation*• Job-Shadowing• PLAN Test• Resume/Portfolio Workshops*• Senior Exit Interview*• Sophomore Portfolio Presentations* | Career Core Electives: <table><tr><td>Automotive Technologies</td><td>Fine Arts (Selected courses)</td></tr><tr><td>Building Trades</td><td>Internship</td></tr><tr><td>Chemistry</td><td>Industrial Arts (Selected courses)</td></tr><tr><td>Computer Aided Design</td><td>Manufacturing Technologies</td></tr><tr><td>Electro-Mechanical Technologies</td><td>Spanish I, II, III</td></tr><tr><td>Earth Science</td><td>AP Biology</td></tr><tr><td>Externship</td><td></td></tr></table> Other Requirements: <table><tr><td>Community Service (4 hours minimum)</td><td>Life Management Elective</td></tr><tr><td>Fine Arts Elective</td><td>Physical Education</td></tr></table> | | | Automotive Technologies | Fine Arts (Selected courses) | Building Trades | Internship | Chemistry | Industrial Arts (Selected courses) | Computer Aided Design | Manufacturing Technologies | Electro-Mechanical Technologies | Spanish I, II, III | Earth Science | AP Biology | Externship | | Community Service (4 hours minimum) | Life Management Elective | Fine Arts Elective | Physical Education |
| Automotive Technologies | Fine Arts (Selected courses) | | | | | | | | | | | | | | | | | | | | |
| Building Trades | Internship | | | | | | | | | | | | | | | | | | | | |
| Chemistry | Industrial Arts (Selected courses) | | | | | | | | | | | | | | | | | | | | |
| Computer Aided Design | Manufacturing Technologies | | | | | | | | | | | | | | | | | | | | |
| Electro-Mechanical Technologies | Spanish I, II, III | | | | | | | | | | | | | | | | | | | | |
| Earth Science | AP Biology | | | | | | | | | | | | | | | | | | | | |
| Externship | | | | | | | | | | | | | | | | | | | | | |
| Community Service (4 hours minimum) | Life Management Elective | | | | | | | | | | | | | | | | | | | | |
| Fine Arts Elective | Physical Education | | | | | | | | | | | | | | | | | | | | |
| • | | | | | | | | | | | | | | | | | | | | | |
| <i>*Required for ½ Life Management Credit</i> | | | | | | | | | | | | | | | | | | | | | |
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Career Pathway: **ENGINEERING/MANUFACTURING AND INDUSTRIAL TECHNOLOGY**

Technical Pathway

Sample Occupations:

Aircraft/Auto Mechanic, Brick Mason, Carpenter, Contractor, Drafter, Electrician, Industrial Machine Maintenance, Lathe Operator, Machinist, Press Operator, Surveyor, Tool and Die Maker, Welder

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR | | | | |
|---|---|--|---|--|---|---|--|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Economics Algebra II or Trigonometry Chemistry or Physics Career Core Elective Career Core Elective Career Core Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Math Elective Science Elective Career Core Elective Career Core Elective Elective Elective | | | | |
| Career Preparation Activities: <ul style="list-style-type: none">• ACT/MME• ACT WorkKeys• ASVAB Test• Career Fair• College Nights• CTE Presentation• Educational Development Plan*• Freshman Orientation*• Job-Shadowing• PLAN Test• Resume/Portfolio Workshops*• Senior Exit Interview*• Sophomore Portfolio Presentations* | Career Core Electives: <table><tr><td>Automotive Technologies AP Biology Building Trades Chemistry Computer Aided Design Electro-Mechanical Technologies Earth Science</td><td>Externship Industrial Arts (Selected courses) Internship Intro to Business Manufacturing Technologies Spanish I, II, III</td></tr></table> Other Requirements: <table><tr><td>Community Service (4 hours minimum) Fine Arts Elective</td><td>Life Management Elective Physical Education</td></tr></table> | | | Automotive Technologies AP Biology Building Trades Chemistry Computer Aided Design Electro-Mechanical Technologies Earth Science | Externship Industrial Arts (Selected courses) Internship Intro to Business Manufacturing Technologies Spanish I, II, III | Community Service (4 hours minimum) Fine Arts Elective | Life Management Elective Physical Education |
| Automotive Technologies AP Biology Building Trades Chemistry Computer Aided Design Electro-Mechanical Technologies Earth Science | Externship Industrial Arts (Selected courses) Internship Intro to Business Manufacturing Technologies Spanish I, II, III | | | | | | |
| Community Service (4 hours minimum) Fine Arts Elective | Life Management Elective Physical Education | | | | | | |

****Required for ½ Life Management Credit***

Career Pathway: **HEALTH SCIENCES**

Professional Pathway

Sample Occupations:

Athletic Trainer, Biochemist, Chiropractor, Dentist, Optometrist, Pharmacist, Physician Physical Therapist, Registered Nurse, Veterinarian

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|--|---|---|---|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Algebra II or Trigonometry Economics Chemistry Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Trigonometry or Pre-Calculus Chemistry Career Core Elective Elective Elective Elective |
| <u>Career Preparation Activities:</u> <ul style="list-style-type: none"> • ACT/MME • ACT WorkKeys • ASVAB Test • Career Fair • College Nights • CTE Presentation • Educational Development Plan* • Freshman Orientation* • Job-Shadowing • PLAN Test • Resume/Portfolio Workshops* • Senior Exit Interview* • Sophomore Portfolio Presentations* | <u>Career Core Electives:</u> <div> Earth Science Externship Food Fundamentals Internship Medical Occupations </div> <div> Parenting and Child Development Physical Fitness Spanish I, II, III Work and Family AP Biology </div> <u>Other Requirements:</u> <div> Community Service (4 hours minimum) Fine Arts Elective </div> <div> Life Management Elective Physical Education </div> | | |

****Required for ½ Life Management Credit***

Career Pathway: **HEALTH SCIENCES**

Technical Pathway

Sample Occupations:

Animal Caretaker, Certified Nursing Assistant, Dental Hygienist, Emergency Medical Technician, Home Health Aide, Laboratory Technician, Laser Technician, Optical Laboratory Technician, Respiratory Technician

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|--|---|---|--|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Economics Algebra II or Trigonometry Chemistry Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Math Elective Chemistry Career Core Elective Career Core Elective Elective Elective |
| <u>Career Preparation Activities:</u> <ul style="list-style-type: none"> • ACT/MME • ACT WorkKeys • ASVAB Test • Career Fair • College Nights • CTE Presentation • Educational Development Plan* • Freshman Orientation* • Job-Shadowing • PLAN Test • Resume/Portfolio Workshops* • Senior Exit Interview* • Sophomore Portfolio Presentations* | <u>Career Core Electives:</u> <div> Earth Science Externship Food Fundamentals Internship Medical Occupations </div> <div> Parenting and Child Development Physical Fitness Spanish I, II, III Work and Family AP Biology </div> <u>Other Requirements:</u> <div> Community Service (4 hours minimum) Fine Arts Elective </div> <div> Life Management Elective Physical Education </div> | | |

****Required for ½ Life Management Credit***

Career Pathway: **HUMAN SERVICES**

Professional Pathway

Sample Occupations:

City Planner, Corrections Officer, Employment Counselor, Fashion Designer, Hotel/Motel Manager, Interior Designer, Jeweler, Lawyer, Librarian, Nursing Home Administrator, Police Officer

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR | | | | |
|---|---|---|--|--|---|---|--|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Algebra II or Trigonometry Economics Chemistry Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Trigonometry or Pre-Calculus Science Elective Career Core Elective Career Core Elective Elective Elective | | | | |
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| Art AP Biology Calculus Computer Aided Design Computer Applications for Business Early Childhood Education Externship Food Fundamentals | Hospitality-Related Occupations Industrial Arts (Selected courses) Internship Marketing Education Spanish I, II, III Work and Family | | | | | | |
| Community Service (4 hours minimum) Fine Arts Elective | Life Management Elective Physical Education | | | | | | |

****Required for ½ Life Management Credit***

Career Pathway: **HUMAN SERVICES**

Technical Pathway

Sample Occupations:

Baker, Chef, Cosmetologist, Dispatcher, Electronics Installation and Repair, Fire Fighter, Florist, Guard, Health Inspector, Locksmith, Mail Carrier, Travel Agent, Upholsterer, Waiter, Waitress

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR | | | | |
|---|--|--|---|---|---|---|--|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Algebra II or Trigonometry Economics Chemistry or Physics Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Math Elective Science Elective Career Core Elective Career Core Elective Elective Elective | | | | |
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| Community Service (4 hours minimum) Fine Arts Elective | Life Management Elective Physical Education | | | | | | |

***Required for ½ Life Management Credit**

Career Pathway: NATURAL RESOURCES AND AGRISCIENCE*Professional Pathway***Sample Occupations:**

Agricultural Engineer, Agricultural Scientist, Botanist, Conservation Officer, Conservationist, Forester, Landscape Architect

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR |
|--|---|---|---|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Algebra II or Trigonometry Chemistry Economics Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Trigonometry or Pre-Calculus Environmental Science Career Core Elective Elective Elective Elective |
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****Required for ½ Life Management Credit***

Career Pathway: **NATURAL RESOURCES AND AGRISCIENCE**

Technical Pathway

Sample Occupations:

Cooperative Extension Office Clerk, Farmer, Farm Mechanic, Farm Supervisor, Groundskeeper, Nursery Worker, Pest Controller

| FRESHMAN | SOPHOMORE | JUNIOR | SENIOR | | | | | | | | | | | | | | |
|---|--|--|---|-----------------------------------|------------------------------|-------------------------|-------------------|------------|--|-----------------|------------------------------------|---------------------------------|--------------------|-------------------------------------|--------------------------|--------------------|--------------------|
| English I American History Algebra I and/or Geometry Physical Science Health Computers Physical Education Elective | English II World History Geometry or Algebra II Biology Fine Arts Elective Elective Elective | English III Government Economics Algebra II or Trigonometry Chemistry or Physics Career Core Elective Elective Elective Elective | English IV or AP Language and Composition Social Studies Elective Math Elective Science Elective Career Core Elective Career Core Elective Elective Elective | | | | | | | | | | | | | | |
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| Agriscience and Natural Resources | Fine Arts (Selected Courses) | | | | | | | | | | | | | | | | |
| Automotive Technologies | Food Fundamentals | | | | | | | | | | | | | | | | |
| AP Biology | | | | | | | | | | | | | | | | | |
| Building Trades | Industrial Arts (Selected Courses) | | | | | | | | | | | | | | | | |
| Electro-Mechanical Technologies | Spanish I, II, III | | | | | | | | | | | | | | | | |
| Community Service (4 hours minimum) | Life Management Elective | | | | | | | | | | | | | | | | |
| Fine Arts Elective | Physical Education | | | | | | | | | | | | | | | | |

****Required for ½ Life Management Credit***

MENDON HIGH SCHOOL COURSE DESCRIPTIONS

FINE ARTS & PERFORMING ARTS

1 Credit required for graduation

| | | |
|---------------------------------|---------------------|-----------------|
| ART FUNDAMENTALS (AR520) | Grades: 9-12 | 1 Credit |
|---------------------------------|---------------------|-----------------|

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| Prerequisites: None | Required: No |
|----------------------------|---------------------|

Art Fundamentals emphasizes the art elements and design principles used in the creative process. Art appreciation and art analysis are also a part of the student's experience in this introductory high school course. The course will cover the use of different materials, techniques, and ways to compose the artwork.

Assessment: Meeting the objectives of the art projects, participation in discussions and art production, written and oral critiques, a semester and final exam.

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|-----------------------------|---------------------|-----------------|
| CHORAL MUSIC (CH100) | Grades: 9-12 | 1 Credit |
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|---------------------------|---------------------|
| Prerequisite: None | Required: No |
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Choral Music (more often referred to as "choir") is a one-year course that emphasizes learning musical and artistic skills through singing. Musical and artistic skills include performing various styles of music, listening to and analyzing various styles of music, and learning to interpret musical symbols for individual music-making.

Assessment: Students will have the opportunity to express what they have learned in a variety of ways. Assessments will include: participation in rehearsals and performances, written and oral discussions of performances, oral testing of singing (quarterly), weekly homework assignments, written quizzes and examinations, and oral presentations.

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|--------------------------------|---------------------|-----------------|
| CLAY AND CRAFTS (CC100) | Grades: 9-12 | 1 Credit |
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| Prerequisites: Art Fundamentals | Required: No |
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Clay and crafts is great for the student that prefers to work tactilely. The art elements are a strong consideration when creating three-dimensionally. The student will focus on shape and form, and consider ways to decorate using the elements and design principles.

Assessment: Meeting the objectives of the art projects, participation in art discussions and art production, written and oral critiques, a semester and final exam.

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|-------------------------------------|---------------------|-----------------|
| DRAWING AND PAINTING (DP100) | Grades: 9-12 | 1 Credit |
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| Prerequisites: Art Fundamentals | Required: No |
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The Drawing and Painting course will reinforce the use of the art elements and principles of design. Drawing and painting techniques are emphasized, along with art appreciation.

Assessment: Meeting the objectives of the art projects, participation in art discussions and art production, written and oral critiques, a semester and final exam.

ILLUSTRATION AND GRAPHICS (IG100)**Grades:** 10-12**1 Credit****Prerequisites:** Art Fundamentals**Required:** No

Illustration and Graphics covers the elements of design and producing work for the “business world.” Many career opportunities exist in the field of design, and this course will help the art student gain an understanding of the field. The elements of design are covered in-depth. The student will be working in several different mediums and techniques. Emphasis will be placed on craftsmanship, lettering, idea development, problem-solving, and working with the design principles.

Assessment: Meeting the objectives of the art assignments, participation in art discussions and critiques, as well as written and oral critiques, a semester and final exam.

INDEPENDENT ART (INDAR)**Grades:** 10-12**1 Credit****Prerequisites:** Art Fundamentals; recommendation of instructor**Required:** No

Independent Art is for the art student who has taken all the available art courses and is very serious about art. The student will be working in the other art classes that are offered during the school year. The student will need to be placed in the course that best meets his or her center of interest, if possible, but much will depend on what is offered in a particular year. The student must be highly motivated and committed to working independently. The course will give the student an opportunity to work in an area of interest such as painting, drawing, ceramics, etc. An application for the course will be required to determine if the student is eligible, and to determine interests, expectations, and the course objectives. The application is due before scheduling is completed. The student and the art teacher will determine course objectives.

Assessment: Meeting the objectives determined by the teacher and student, student and teacher reviews during AC, final presentation (display of artwork), and presentation of portfolio.

INSTRUMENTAL MUSIC (MS601)**Grades:** 9-12**1 Credit****Prerequisite:** Participation in elementary and middle school band, or approval of band director**Required:** No

Instrumental Music (more often referred to as “band”) is a one-year course that emphasizes learning musical and artistic skills through performing on an instrument. Musical and artistic skills include performing various styles of music, listening to and analyzing various styles of music, and learning to interpret musical symbols for individual music-making. Emphasis will be placed on refining tone quality, articulation, range, and stamina.

Assessment: Students will have the opportunity to express what they have learned in a variety of ways. Assessments will include: participation in rehearsals and performances, written and oral discussions of performances, testing of playing skills (quarterly), written quizzes, and examinations.

Prerequisites: Art Fundamentals**Required:** No

The Sculpture and Jewelry course will allow the student to work three-dimensionally. The course will focus on the art elements and design principles. Using examples from other artists and references in art history, the student will become aware of the importance and cultural significance of jewelry-making and sculpture. A variety of techniques and materials will be explored.

Assessment: Meeting the objectives of the art assignments, participation in art discussions and critiques, written and oral critiques, a semester and final exam.

COMPUTER SCIENCE AND BUSINESS

DESKTOP PUBLISHING/YEARBOOK (DP325)

Grades: 10-12

1 Credit

Prerequisite: None

Required: No

Desktop Publishing emphasizes various formatting skills using on-line publication software. A variety of computer skills are used to create *The Sting*, our school Annual, and other activities.

Assessment: Short writings, daily activities on the computer and designing creative yearbook pages are among the assessments. Outside class and school assignments are **REQUIRED**. These include, but are not limited to: sporting events, concerts, dances, and various other school activities. Students are expected to attend these events outside of the school day and complete the given assignments pertaining to the occasion.

WEB DESIGN I (WD001)

Grades: 10-12

1 Credit

Prerequisite: None

Required: No

In accordance to the International Society for Technology in Education (ISTE) developed National Technology Standards for Students. (NETS-S), this class will review a short history of the Internet, the class explores Websites to plan a well-designed and well-functioning site. The class teaches web page basics and explores the “behind the scenes” language of every web page (HTML). Students will learn to use a web page editor, such as Dreamweaver, while construction web pages that include text, graphics, and animation created through software such as Flash, Freehand, Paint, and Fireworks. Students will construct, edit and maintain various web sites, web pages and templates related to curricular content areas and personal interests.

Assessment: Tests, Hands-On Projects, Observations, Written Reflections, Peer Evaluations, Semester Examination and Comprehensive Year-end Examination.

WEB DESIGN II (WD002)**Grades:** 11-12**1 Credit****Prerequisite:** "B" or better in PC325, WD001 AND
Teacher Recommendation**Required:** No

In accordance to the International Society for Technology in Education (ISTE) developed National Technology Standards for Students. (NETS-S), this class will review a short history of the Internet, the class explores Websites to plan a well-designed and well-functioning site. Students will learn to use Dreamweaver, while construction web pages that include text, graphics, and animation created through software such as Flash, Freehand, Paint, and Fireworks. Students will construct, edit, maintain and update the Mendon Community Schools web site and the web pages and templates related to www.mendonschools.org

Assessment: Hands-On Projects, Observations, Written Reflections, and Peer Evaluations, Semester Examination and Comprehensive Year-end Examination.

INTRODUCTION TO BUSINESS (BE101)**Grades:** 10-12**1 Credit****Prerequisite:** None**Required:** No

Introduction to Business is an exploratory course which includes units of study in consumer economics, insurance, personal finance, investment, savings, banking, marketing, government in business, technology in business and business communications.

Assessment: Daily activities, sessions test (hands-on, objective, and essay question), participation in class activities, project, Semester Examination and Comprehensive Year-end Examination.

CAREER TECHNICAL EDUCATION (CTE) PROGRAMS

0 credits required for graduation

Students who attend CTE have the opportunity to get a head start on a technical career through a process known as articulation. The CTE Consortium has articulation agreements with some colleges for several of the CTE programs. This means that the credit earned in specific CTE programs can be applied towards college graduation requirements for a degree or certificate. Some of the colleges that have such agreements are:

Glen Oaks Community College

Baker College

Davenport University

Ferris State University

Some CTE courses allow students to earn Direct Credit from Glen Oaks Community College. Students receive a Glen Oaks Community College transcript. Credit may transfer to many other colleges.

AGRISCIENCE & NATURAL RESOURCES (AGSI)

Grades: 11-12

3 Credits

Prerequisite: Counselor approval
(*Science background helpful*)

Required: No

Weighted: No

2 Semesters

Credit: Third Science Credit is available

Class Site: Centreville High School

This course will prepare students for careers related to agriculture, the environment and natural resources. Topics include agricultural sciences, earth sciences, environmental sciences, forestry, horticulture and wildlife. The program is composed of the following courses: Natural Resources, Agriculture, Mechanics, Management and Marketing, Agriscience, Landscape Horticulture and Advanced Plant and Soil Science. Hands-on activities focus on scientific topics related to agriculture in student learning labs. These labs include a greenhouse, land lab, nature area and a fully equipped barn. Students have the opportunity to develop leadership skills by participating in the FFA, a national organization for students in agricultural education.

AUTOMOTIVE TECHNOLOGIES (AUTO)

Grades: 11-12

3 Credits

Prerequisites: Accuplacer test;
Counselor approval

(*Ability to read technical manuals and mechanical aptitude helpful*)

Required: No

Weighted: No

2 Semesters

Class Site: Glen Oaks Community College

Automotive Technologies is designed for students interested in an automotive related career. Students will learn foundation knowledge, service skills and diagnostic problem solving in the following areas: brake systems, ignition systems, emissions and engine controls, fuel and exhaust systems, steering and suspension, electrical systems, electronics and cylinder head reconditioning. Safety is emphasized throughout the course. Common repair practices are emphasized by utilizing hands-on experiences on shop-owned vehicles, component parts, and actual customer vehicles. State of Michigan testing is required. Michigan Motor Vehicle Mechanic Competency tests are administered. Students who successfully complete this program can earn up to 21 Glen Oaks Community College credits while still in high school.

| | | |
|---|----------------------|---------------------|
| BUILDING TRADES (BTRD) | Grades: 11-12 | 3 Credits |
| Prerequisite: Counselor approval (<i>Measuring/math skills, Industrial /Technology classes preferred</i>) | Required: No | Weighted: No |
| | | 2 Semesters |
| Credit: Fourth Related Math Credit is available | | |

Class Site: Building Trades Site - White Pigeon

This course offers basic knowledge and practical experience in various aspects of the construction trades. Students build a new residence at a job site from the foundation to the roof by learning various methods and techniques. The house project requires the student to do physical labor in both indoor and outdoor conditions. Students learn framing, roofing, concrete, finish work, safe use of power equipment and other construction skills.

| | | |
|--|----------------------|---------------------|
| COMPUTER AIDED DESIGN (CAD) | Grades: 11-12 | 3 Credits |
| Prerequisites: Counselor approval; Drafting - 1 Trimester, if available (<i>Mechanical aptitude, Geometry/Algebra preferred</i>) | Required: No | Weighted: No |
| | | 2 Semesters |

Class Site: Three Rivers High School

Computer Aided Design (CAD) is a program in which students learn drafting skills using Auto CAD to solve detailed engineering drawing problems. This course is geared toward students interested in becoming a drafter or engineer. Students work on projects related to mechanical tool design, jig and fixture design, assembly drawings and other in-depth applications of the CAD system. Credit may be articulated with Glen Oaks Community College, Davenport University and Baker College.

| | | |
|--|----------------------|---------------------|
| COMPUTER INFORMATION TECHNOLOGIES (CIT) | Grades: 11-12 | 3 Credits |
| Prerequisites: Accuplacer test; General computer knowledge; Counselor approval | Required: No | Weighted: No |
| | | 2 Semesters |

Class Site: Three Rivers High School

This course is designed to prepare students for a variety of certifications in computer network administration. Students will learn to install operating systems, configure and troubleshoot the desktop environment, manage the local workstation, implement and monitor security, comply with legal and ethical functions of computers. Students will also learn to troubleshoot and install hardware, maintain equipment and use diagnostic software to test PC operation. Students passing the Microsoft Certified Professional test will be certified upon the completion of the class. Students are given the opportunity to participate in Business Professionals of America (BPA), a national student organization. Students who successfully complete this program can earn up to 5 Glen Oaks Community College credits while still in high school.

| | | |
|--|----------------------|---------------------|
| WELDING (WELD) | Grades: 11-12 | 3 Credits |
| Prerequisites: Counselor Approval | Required: No | Weighted: No |
| | | 2 semesters |

Class Site: Constantine High School

Welding is a course that will prepare students for careers in many fields that use _____. Welding students will learn hands on applications of the oxy/acetylene and plasma cutting processes, learn shielded metal arc, gas metal arc and gas tungsten welding processes. Students will learn to utilize both Miller and Lincoln Equipment as well as learn to recognize the different metal types and welding techniques. Students will also learn math techniques that are used in practical field applications and learn project set-up, material estimating and ordering, inventory management and material utilization.

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|---|----------------------|---------------------|
| MARKETING EDUCATION (MKT) | Grades: 11-12 | 3 Credits |
| Prerequisite: Counselor approval (<i>Computer skills preferred; business classes helpful</i>) | Required: No | Weighted: No |
| | | 2 Semesters |

Class Sites: Three Rivers High School

Marketing Education is the study of basic business and marketing concepts. This program prepares students for careers in marketing and retail in a wide variety of areas such as apparel and accessories, sports/entertainment, retail merchandising and business ownership. Students will receive instruction on building displays, sales techniques, management, promotions, human relations, economics, financing, pricing, market trends and advertising. Students have the opportunity to practice these skills through the operation of the school store. Students may participate in DECA, a national student organization, which provides students with leadership and competitive conference opportunities. Credit may be articulated with Glen Oaks Community College, Davenport University and Baker College.

| | | |
|---|----------------------|---------------------|
| MEDICAL OCCUPATIONS (MO) | Grades: 11-12 | 3 Credits |
| Prerequisites: Accuplacer test; Counselor approval <i>Chemistry and Biology preferred</i> | Required: No | Weighted: No |
| | | 2 Semesters |

Credit: Third Science Credit is available

Class Site: Centreville High School

This course is designed for students interested in a career in the health field. Students learn basic human anatomy and physiology, human growth & development, vital signs, CPR, therapy techniques for rehabilitation and medical terminology. Classroom, laboratory & clinical experiences are used to give an overview of the health care field. After mastering the core curriculum, students are given the opportunity to individualize their clinical experience to meet their career interests. Students have the opportunity to participate in Health Occupations Students of America (HOSA), a national organization for students. Students who successfully complete this program can earn up to 10 Glen Oaks Community College credits while still in high school.

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|--|----------------------|---------------------|
| GRAPHIC DESIGN (GD) | Grades: 11-12 | 3 Credits |
| Prerequisites: Counselor approval (<i>Computer skills preferred</i>) | Required: No | Weighted: No |
| | | 2 Semesters |

Class Site: Glen Oaks Community College

Graphic Design is the industry that puts words and pictures on phone cards, candy wrappers, websites, T-shirts and your favorite publication. It is an industry on the lookout for new talent with great paying jobs for people with all types of skills. Students will work on MAC computers and learn color theory, Digital Illustration Vector, Digital Illustration Raster, Digital Illustration 3D, Digital photography basics and design and layout. Students will also learn how to display graphics and self promotion portfolio. Career opportunities include Graphics Designer, Package Designer, Digital Image Specialist, Desktop Publisher and Illustrator. Articulated College Credit/Direct Credit can be achieved for Glen Oaks Community College and Davenport University.

LANGUAGE ARTS

4 Credits required for graduation

ENGLISH I (EN120)

Grade: 9-10

1 Credit

Prerequisite: None

Required: Yes

In English I, the grammar goal is to help students continue their growth in Language Arts and prepare them for college and state-mandated tests. During the course students will do a complete overview of grammar. Grammatical components in English I includes: parts of speech, sentence structure, punctuation usage, phrases, clauses, verbal's, parallel structure, subject verb agreement with consistency and tense, active and passive voice, connectives, transitions, modifiers, pronoun usage, paragraph structure, punctuation for dialogue, creative writing techniques, organizational forms, MLA documentation and other related topics.

During this course students will learn to write specific types of essays, including a persuasive essay. Students will also complete several research papers and there will be many writing assignments based on assigned reading in which students will be expected to support with details and examples from the texts. Additionally students will read, respond to in writing and discuss short stories, poetry, essays novels and other literary documents.

Students participation in class discussions is required and is a big part of the grade.

WRITER'S WORKSHOP (CA203)

Grades: 10-12

1 Credit

Prerequisite: English I

Required: No

Description: This course is for students committed to strengthening their talents in written expression. The focus of the course is on improving writing ability, both creatively and academically, by using the writing process. Students should expect to share/present their work with other students and the class.

Assessment: Tests, quizzes, written assignments, and classroom participation.

ENGLISH II (EN121)

Grade: 10

1 Credit

Prerequisite: English I

Required: Yes

English II offers the student high-quality, appealing, traditional and contemporary literary selections, including the short story, drama, non-fiction, poetry, and the novel. Study aids are provided that will guide students into, through, and beyond literature. The course will also incorporate grammar, vocabulary development, sentence improvement, the writing process (paragraph), and the composition, and will culminate in a research paper.

Assessment: Short and extended writings, quizzes, chapter tests (objective and essay questions), participation in class discussions, and comprehensive semester examinations (objective and essay questions).

MODERN LITERATURE (ML300)

Grades: 10-12

½ Credit

Prerequisite: English I

Required: No

Modern Literature is a reading-based course taught as a semester class. Students will read various types of works involving fiction, nonfiction, novels, short stories, poetry, essays and more. The students will be assessed through daily journal entries, class discussions, research projects, and other state content standard-based assignments.

Assessment: Various writing assignments along with quizzes, tests, class discussions and projects are used to determine grades.

ENGLISH III (ENG122)**Grade:** 11**1 Credit****Prerequisite:** English II**Required:** Yes

In English III, the goal is to help students continue their growth in Language Arts and prepare them for college and state-mandated tests. During this course students will learn to write specific types of essays, especially a persuasive essay. Students will also complete an 8-10 page minimum term paper and there will be many writing assignments based on assigned reading in which students will be expected to support with details and examples from the texts. Grammatical components in English III include parts of speech, sentence structure, punctuation usage, phrases, clauses, verbals, parallel structure, consistency and tense, connectives, transitions, modifiers, paragraph structure, organizational forms, MLA documentation and other related topics.

Additionally students read, respond to in writing and discuss short stories, poetry, essays and other documents related to American Literature.

Participation in class discussions is required and is a big part of the grade.

AP LANGUAGE AND COMPOSITION (APLANG)**Grade:** 12**1 Credit****Prerequisite:** None**Required:** Yes

Advanced Placement English Language and Composition is a rigorous college-level course for highly motivated students in 12th grade and emphasizes critical reading, analytical and persuasive writing and shared inquiry discussion. Of primary importance is a focus on rhetoric and argumentation through the study of various forms of discourse, primary nonfiction but also including some prose fiction, drama, poetry, photography and film.

Assessment:

70% Tests/Essays/Projects—Most tests will be in the format of the AP Language multiple-choice reading section. The questions are designed to evaluate students' ability to recognize rhetorical strategies and devices and to infer meanings, purposes, attitudes, characterizations, etc.; Projects will include oral presentations and/or out of class synthesis assignments; Essays include in-class essays as well as multi-draft compositions that have been revised after evaluations by peers and/or the teacher. The writing is evaluated with the use of analytical rubrics to help students develop effective and varied diction, syntax, organization, a balance of generalization and detail, and effective voice and tone.

30% Homework/Quizzes/Minor Writing Assignments—Quizzes will include reading checks and vocabulary assignments. Minor Writing Assignments include rough drafts, journaling and short paragraph assignments.

ENGLISH IV (EN123)**Grade:** 12**1 Credit****Prerequisite:** English III**Required:** Yes

The focus of the course will be on intensive reading and discussion of a number of great works of literature as well as completion of a senior portfolio. The course is designed to help students be prepared for whatever course they choose to pursue after high school graduation. This course will also include a writing component that focuses on expository, analytical and argumentative writing about the literature through both discussion and essay format. Students are expected to be active readers as they analyze and interpret textual detail, establish connections among their observations and draw logical inferences leading toward an interpretive conclusion.

Assessment:

Assessments will make up 70% of the course grade. Assessments will be based on completing content expectations. Assessments may take the form of tests/quizzes, essays, projects or presentations. Shorter in-class and homework assignments will account for the remaining 30% of the students' grade.

LIFE MANAGEMENT EDUCATION

1½ Credit required for graduation

HEALTH AND WELLNESS (HEL09)

Grade: 9

½ Credit

Prerequisite: None

Required: Yes

Health and Wellness is a study of the physical, emotional, social, and cognitive aspects of health and wellness issues for the individual, family, and community. This course is designed to reinforce and expand upon concepts learning in previous classes.

Topics of study may include: personal health and fitness; mental health; maintaining healthy body systems; reproductive health and abstinence; nutrition and weight control; treating, controlling, and preventing infectious and non-infectious diseases; alcohol, drugs, and tobacco in society; family and social health; consumer health, etc.

Assessment: Objectives will be assessed through a variety of methods including research projects, research reports, articles analysis, writing assignments, and traditional academic evaluations. The final exam consists of several components including traditional methods and essays.

WORK AND FAMILY BALANCE (WF400)

Grades: 10-12

1 Credit

Prerequisite: None

Required: No

Work and Family Balance is an in-depth course in establishing and balancing thriving and healthy independent and family lives with life-sustaining occupations and careers within a functioning household.

Topics of study may include: understanding yourself and others; occupations and careers; managing independent life; life relationships; balancing work & family life; life application projects; financial education; interpersonal relationships and family studies.

Assessment: Objectives will be assessed through critical analysis, resource utilization, application of developed skills and concepts, role-playing, simulation activities, and traditional academic evaluations. Discussion plays a strong role in assessing concept comprehension. Each student will complete a final individual life application project which weighs heavily in final grades; the projects will consist of research, project development, a research paper, and presentation. Possible examples: planning a wedding, housekeeping skills, writing a will, infant care, basic cooking skills, etc.

FOOD FUNDAMENTALS (FF400)

Grades: 11-12

1 Credit

Prerequisite: Health and Wellness

Required: No

Food Fundamentals is an overview of food selection, food preparation, food safety, and food storage. Units of study may include the importance of food, the management of food, the preparation of food, and foods of the world including social and cultural aspects, nutrition and health, career options, food lab equipment, consumer skills, meal management, food preparation skills, and food science and technology. It is important to note that Food Fundamentals is *not* a “home ec” or “cooking class.” The class utilizes a textbook, and students will complete assignments, research, projects, writing assignments, and other activities as well as performing labs.

Assessment: Objectives will be assessed through traditional methods, discussion, and demonstration of developed skills through lab assessment and analysis. Students will complete a portfolio during the course of the class. The final exam will consist of a written segment including essays and a segment with a skills-based assessment via a significant in-class and take-home food project.

PARENTING AND CHILD DEVELOPMENT (CO400)**Grade:** 11-12**1 Credit****Prerequisite:** None**Required:** No

Parenting and Child Development is an overview of the many roles and responsibilities of parenting and the development of children through adolescence. This course is designed to serve as an extension of the learning students have already gained in their own childhood and youth environments. Units of study may include defining parenting in terms of types, skills, and its roles within the immediate, extended, and blended families and community; human reproduction, planning pregnancy and prenatal care; preparing for birth, adoption, guardianship and family blending; adjusting to new parenthood experiences; understanding and parenting infants and young children; health and safety issues for infants and young children; early childhood physical, emotional, social, and cognitive development.

Assessment: Objectives will be assessed through traditional methods, discussion, research projects, interviews, research reports, vocabulary, readings, assignments, writing assignments, etc. Guest speakers will also be a part of the class content. Several extensive and independent projects are a part of this course. An emphasis will be placed on skills and insights demonstrated through role-playing and simulations.

The most significant simulation will be the Baby *Think It Over Simulator*. The student and guardian must be willing to take responsibility (including financial responsibility) for the infant simulator. This large project includes both the care of the infant simulator for a length and the accompanying assignments. FAILURE TO COMPLETE THIS PORTION OF THE CLASS WILL RESULT IN CLASS FAILURE!!!

CAREER PREPARATION (CP101)**Grades:** 9-12**1 Credit****Prerequisite:** None**Required:** No

Career Preparation examines many aspects within the world of work and careers. Emphasis will be placed on career exploration, employment skills, employment preparation, and basic business and economic concepts. During the length of the course, students will: complete several projects in which they will create and present projects on various careers; perform interviews of people employed in various careers; examine how their own personality skills and traits match careers; learn the basic concepts behind the economic and market system; understand credit and its advantages and disadvantages; explore how their strengths, weaknesses, skills, and interests will fit into career areas; participate in mock interviews; learn how to write and perfect resumes, letters, and other documents for employment; practice job search methods, develop public speaking skills; develop leadership skills which can be applied as employees and citizens.

Assessment: Objectives will be assessed through traditional methods, discussion, and demonstration of developed skills. Role-playing, performance speaking, performance interviews, and projects will also be utilized.

MATHEMATICS

*4 Credits required for graduation
*Michigan Merit Curriculum requires that all Seniors take a Math Course**

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| ALGEBRA I (AL222) | Grades: 9-10 | 1 Credit |
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| Prerequisite: Teacher Recommendation | Required: Yes |
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Algebra I-A develops skills in logical reasoning, which are essential in many areas of employment. Symbols of mathematics, their meanings, and techniques of manipulation will be covered. Other topics include: order of operations, solving equations, algebraic fractions, graphing, exponents, and algebraic word problems.

Assessment: May include, but is not limited to, daily homework, quizzes, chapter tests, a notebook, class participation, and comprehensive semester exams.

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|------------------------------|---------------------|-----------------|
| ALGEBRA II (A)(AL223) | Grades: 9-11 | 1 Credit |
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| Prerequisite: Algebra I or Teacher Recommendation | Required: Yes or Alg II |
|--|--------------------------------|

Algebra II-A continues with the skills developed in Algebra I. It is expected that the students will further their knowledge of basic algebra including linear equations, polynomials, exponents, and algebraic word problems. Other topics include: factoring, quadratic functions, rational and radical expressions and equations, as well as a firm grasp of the Pythagorean theorem and its application.

Assessment: Daily individual homework, oral presentations, quizzes, chapter tests, participation in class discussions, and comprehensive semester exams.

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| ALGEBRA II (B)(AL223) | Grades: 9-11 | 1 Credit |
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|---|--------------------------------|
| Prerequisite: Algebra II-A or Teacher Recommendation | Required: Yes or Alg II |
|---|--------------------------------|

Algebra II-B continues with the skills developed in Algebra II-A. It is expected that the students will further their knowledge of basic algebra including linear equations, polynomials, exponents, and algebraic word problems. Other topics include: factoring, quadratic functions, rational and radical expressions and equations, as well as a firm grasp of the Pythagorean theorem and its application.

Assessment: Daily individual homework, oral presentations, quizzes, chapter tests, participation in class discussions, and comprehensive semester exams.

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| GEOMETRY (GE224) | Grades: 9-11 | 1 Credit |
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| Required: Yes |
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Geometry is a course designed to give students an understanding of and basic vocabulary for geometry topics. These include, but are not limited to: congruence, similarity, circles, polygons, perimeter, area, and volume. Students are exposed to some history of geometry and are presented with problems such as proofs to enhance logic skills.

Assessment: May include, but is not limited to, daily homework, quizzes, chapter tests, a notebook, class participation, and comprehensive semester exams.

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| ALGEBRA II (AL225) | Grades: 10-12 | 1 Credit |
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Prerequisite: GE224 or GE225

Required: Yes or both Alg II-A & II-B

Algebra II emphasizes concepts of Advanced Algebra. Topics included are: solving absolute value equations and graphing; relations and functions; slope; statistical graphs and statistical applications; solving systems of linear equations and inequalities; matrices; roots; complex numbers; solving radical equations and inequalities; quadratic functions and inequalities; and trigonometry.

Assessment: May include, but is not limited to, daily homework, quizzes, chapter tests, a notebook, class participation, and comprehensive semester exams.

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| SENIOR MATH (CM228) | Grades: 11-12 | 1 Credit |
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Prerequisite: None (*Suggested for juniors & seniors*)

Required: No

Senior Math is a course designed to introduce and study the mathematics used in conducting everyday financial business for a home and family. It also introduces students to small-business mathematics. Record keeping, dealing with mortgages, purchasing a vehicle, and paying off loans are some of the topics covered in this class.

Assessment: May include, but is not limited to, daily homework, quizzes, chapter tests, a notebook, class participation, and comprehensive semester exams.

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| PRECALCULUS (PC100) | Grades: 11-12 | 1 Credit |
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Prerequisite: “B” or better in Trigonometry or teacher recommendation

Required: No

Pre-Calculus emphasizes advanced mathematics. Topics may include: conic sections, sequence/series, probability, statistics, limits and their properties, as well as the beginnings of the world of Calculus. Students will be asked to work individually and cooperatively to solve complex problems. This is intended to be a challenging mathematics course.

Assessment: May include, but is not limited to, daily homework, pop and regular quizzes, chapter tests, a notebook, class participation, and comprehensive semester exams.

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| TRIGONOMETRY (AM226) | Grades: 10-12 | 1 Credit |
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Prerequisite: “B” or better in Algebra II, or teacher recommendation

Required: No

Trigonometry emphasizes triangular mathematics. Students will gain knowledge, which will prepare them for higher-level mathematics. Topics covered may include: basic and complex trigonometry; the Law of Sines, Cosines, and Tangents, word problems involving vectors, angles and forces, logarithms, complex numbers and exponential properties. This is intended to be a challenging mathematics course.

Assessment: May include, but is not limited to, daily homework, comprehensive notebook/folder, quizzes, unit tests, participation in class discussions, and comprehensive semester exams.

Michigan Merit Curriculum requires that all Seniors take a Math Course for their senior year

PHYSICAL EDUCATION

*½ Credit required for graduation**

PHYSICAL FITNESS (PF101)

Grades: 9-12

½ or 1 Credit

Prerequisite: None

Required: Yes

Physical conditioning activities, both aerobic and anaerobic, are the focus of this class. Typical activities include weight training, agility drills, and fitness walking/running. Students may develop individualized fitness plans based on personal goals and needs. Topics related to healthy lifestyles will be addressed from time to time.

Assessment: Class participation, effort/improvement, and attitude.

STRENGTH & CONDITIONING (SC201)

Grades: 9

1 Credit

Prerequisite: None

Required: No

Specific, personal workouts will be developed for each students enrolled in the Strength and Conditioning class. Workouts will be geared toward goals set by the student and instructor at the beginning of the course. Workouts may include weight lifting, running, plyometrics, as well as other exercises deemed important by the instructor.

Assessment: Students will be expected to workout daily. Non-participation is not an option as students will be assessed on their workout habits, improvement in all categories of lifting/conditioning, and daily log of activity. Attitude and self-motivation are also important and will be factored in to the grade.

SCIENCE

3 Credits required for graduation

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| BIOLOGY I (BI321) | Grades: 10-12 | 1 Credit |
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| Prerequisite: None | Required: Yes |
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Biology I emphasizes the study of currently accepted scientific theories regarding the life sciences. The course will also incorporate the use of basic scientific equipment during laboratory explorations. Topics of study include cell structure/functioning, genetics, evolution, ecology, and life on earth.

Assessment: Oral presentations, short and extended writings, quizzes, tests, class discussions, and comprehensive semester examinations.

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|---------------------------------|---------------------|-----------------|
| PHYSICAL SCIENCE (PS101) | Grades: 9-10 | 1 Credit |
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| Prerequisite: None | Required: Chemistry or Physics |
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Physical Science is a course that uses the steps of the scientific method as a means to discover how it is used in everyday living, and in a science-life setting through laboratory experiments. Topics will include matter, motion, force heat, electricity, magnetism, sound, light, and general Chemistry, including composition, structure, and properties of matter.

Assessment: Chapter standardized tests, lab reports, quizzes, unit tests, semester exams, chapter questions, etc.

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| ANATOMY & PHYSIOLOGY (BI322) | Grades: 11-12 | 1 Credit |
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| Prerequisite: Successful completion of Biology I, or teacher recommendation | Required: No |
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Anatomy & Physiology is the study of mammalian anatomy and physiology. The course will also incorporate the use of basic scientific equipment during in-depth laboratory explorations and gross dissection. Students will produce in-depth written reports and summaries of their investigations.

Assessment: Oral presentations, short and extended writings, quizzes, and tests.

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| CHEMISTRY (CH001) | Grades: 10-12 | 1 Credit |
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| Prerequisite: Algebra II or Concurrent | Required: 1 of PH001, PH002, CH001 or PS101 |
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In Chemistry, the student studies the composition, structure, and properties of substances, and the changes they undergo under a variety of natural and man-made circumstances. The language and methods of chemistry are part of the study. Students are expected to demonstrate familiarity with a wide range of laboratory equipment gained through extensive classroom applications and experiments.

Assessment: Lab reports, chapter tests, class assignments, and quizzes.

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| AP Biology | Grades: 10-12 | 1 Credit |
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| Prerequisite: Biology I | Required: No |
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AP Biology is a year long course which is graded on a 5 point scale that is designed to be taken by students after the successful completion of both high school biology. AP Biology is a course that aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology. This course is designed to prepare students for the Biology College Board.

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| ADVANCED PHYSICS (APPHY) | Grades: 10-12 | 1 Credit |
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| Prerequisite: Physical Science and Algebra I or Concurrent | Required: 1 of PH001, PH002, CH001 or PS101 |
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Physics is intended to offer the opportunity to study physics topics both for academic preparation and to help give background for other technical needs. Students will gain an understanding of the physical laws and principles that influence every aspect of our lives; an introduction to the attitudes and methods of science as approaches to problem-solving in all areas of human experience; and an insight into career opportunities related to physics.

Assessment: Lab reports, chapter tests, class assignments, and quizzes.

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| CONCEPTUAL PHYSICS (CP103) | Grades: 10-12 | 1 Credit |
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| Prerequisite: Physical Science | Required: 1 of PH001, PH002, CH001 or PS101 |
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Introductory Physics course covering mechanics, matter, heat, sound, light and electricity. This course builds conceptual understanding through activities and labs without the advanced math seen in the AP Physics course.

Assessment: Tests, Activities, Labs.

SOCIAL STUDIES

4 Credits required for graduation

WORLD HISTORY/GEOGRAPHY (SS009)

Grade: 9

1 Credit

Prerequisite: None

Required: Yes

World History/Geography emphasizes reading, writing, speaking, listening, and research. Students will be able to describe major factors that characterize the following eras in the history of our shared planet: *Expanding and Intensified Hemispheric Interactions (300 – 1500 C.E. /A.D.), The Emergence of the First Global Age (15th – 18th centuries), An Age of Global Resolutions (18th century -1914), Global Crisis and Achievement (1900 – 1945), and The Cold War and its aftermath the 20th century since 1945.* Students will be able to use this knowledge of the past to construct meaningful understanding of our diverse cultural heritage and to inform their civic judgments.

Assessment: Students will have the opportunity to express what they have learned in a variety of ways. In recognition of diverse learning styles and talents, students may expect to make choices from time to time regarding the kind of work they produce. Assessments will include: dependency grading, short and extended writing, chapter tests, participation in class discussions, oral presentations, quizzes, unit tests, and comprehensive semester examinations.

CAREER PREPARATION (CP101)

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

Career Preparation examines many aspects within the world of work and careers. Emphasis will be placed on career exploration, employment skills, employment preparation, and basic business and economic concepts. During the length of the course, students will: complete several projects in which they will create and present projects on various careers; perform interviews of people employed in various careers; examine how their own personality skills and traits match careers; learn the basic concepts behind the economic and market system; understand credit and its advantages and disadvantages; explore how their strengths, weaknesses, skills, and interests will fit into career areas; participate in mock interviews; learn how to write and perfect resumes, letters, and other documents for employment; practice job search methods; develop public speaking skills; develop leadership skills which can be applied as employees and citizens.

Assessment: Objectives will be assessed through traditional methods, discussion, and demonstration of developed skills. Role-playing, performance speaking, performance interviews, and projects will also be utilized.

GLOBAL STUDIES (CE200)

Grades: 9-12

1 Credit

Prerequisite: None

Required: No

Global Studies is an elective class designed to study local and worldwide issues affecting our lives. Media such as television news, newspaper, and newsmagazines, will be the driving force in determining topics for discussion. Students will explore the social, psychological, political, and economic impacts of news events on our society.

Assessment: Discussion points will be given on a daily basis. Students will be expected to write responses and defend their positions on teacher initiated questions.

UNITED STATES HISTORY/GEOGRAPHY (SS010)

Grade: 10

1 Credit

Prerequisite: None

Required: Yes

United States History emphasizes reading, writing, speaking, listening, and research. Students will be able to describe major factors that characterize the following eras in United States history: *The development of an Industrial, Urban, and Global United States (1870-1930), The Great Depression and World War II (1920-1945), Post-World War II United States (1945-1989) and America in a New Global Age (1980-present).* Students will be able to use this knowledge of the past to construct meaningful understanding of our diverse cultural heritage and to inform their civic judgments.

Assessment: Students will have the opportunity to express what they have learned in a variety of ways. In recognition of diverse learning styles and talents, students may expect to make choices from time to time regarding the kind of work they produce. Assessments will include: dependency grading, short and extended writing, chapter tests, participation in class discussions, oral presentations, quizzes, unit tests, and comprehensive semester examinations.

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| GOVERNMENT (GO432) | Grade: 11 | .5 Credit |
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| Prerequisite: None |
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| Required: Yes |
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Government is the study of established systems of political administration through which a central authority exercises control. This course provides the student with the knowledge of the essential elements that constitute the United States political system, including an understanding of the function, philosophy, and the history of both major political parties.

Assessment: Oral presentation (group and individual), short essays, chapter tests (essay), participation in class discussion, and a comprehensive exam (essay).

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| ECONOMICS (EC431) |
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| Grade: 11 |
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| .5 Credit |
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| Prerequisite: None |
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| Required: Yes |
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This one semester course will build economic literacy in students. The overarching problem of scarcity and unlimited human wants pursuing limited resources will be a focal point of the course. Students will deepen their prior knowledge of basic economic concepts and apply them to national and international economic systems and problems as a whole. In addition to their study of macroeconomics, students will study how interactions of buyers and sellers impact prices and supplies, as well as the role of trade-offs and incentives in consumer and business decisions. Using a variety of media, they will compile, analyze and present statistical data pertinent to economic problems. Students will use their economic knowledge to make informed decisions as consumers and to participate as citizens in deciding matters of economic policy.

Assessment: Participation in class discussions, simulations and projects, tests, research and evaluation of supplemental readings.

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| SOCIOLOGY (SO301) |
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| Grades: 11-12 |
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| 1 Credit |
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| Prerequisite: None |
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| Required: No |
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Sociology is the study of social relationships that exist between individuals, groups, and society. Major emphasis will be placed on the sociological aspects of culture, communication, and cultural development and change. The student will be provided the opportunities to understand sociological terminology, explain the process of socialization, analyze roles of people in various situations, and understand the causes of social change.

Assessment: Participation in class discussions, simulation and projects, tests, research, and evaluation of supplemental readings.

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| WORLD CULTURES (WC301) |
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| Grade: 11-12 |
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| 1 Credit |
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| Prerequisite: SS009 and SS010 |
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| Required: No |
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World Cultures is the study of how the origins of civilizations and world religions influence modern culture. Students will compare and contrast ancient and modern accomplishments as well as mistakes, historical trends, and individuals significantly impacting world history.

Assessment: Quizzes, chapter tests (objective and essay), participation in class, periodic research, and report writing, and a comprehensive final exam.

WORLD LANGUAGES

0 Credits required for graduation this year (2 credits required for class of 2016)

* Distance Learning Courses have been offered through Virtual High School. Students taking a Distance Learning Course are required to purchase all materials for their class. Courses may not be available for the 2004-05 school year or may be offered at the student's expense.

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|-------------------------|--------------------------|---------------------|-----------------|
| FRENCH I (SS009) | Distance Learning | Grade: 10-12 | 1 Credit |
|-------------------------|--------------------------|---------------------|-----------------|

Prerequisite: None

Required: No

This is the first semester of a year-long course. Learning language is a process, a natural bridge from listening to understanding to speaking. This is the guiding principle behind the French I introductory language course. French I avoids the rote memorization of grammar rules and vocabulary typical to other language courses; instead, the course focuses on listening, reading, writing and spontaneous, natural speech.

Students use online audio and a variety of written exercises to acquire the skills, knowledge and experience to lay the foundation for a continuing pursuit of language mastery. The course is correlated to national foreign language standards.

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| FRENCH II (SS010) | Distance Learning | Grades: 10-12 | 1 Credit |
|--------------------------|--------------------------|----------------------|-----------------|

Prerequisite: Full year of French I or equivalent

Required: No

This is the first semester of a year-long course. French II is a continuation of the innovative French I course that teaches students to speak French the way they learned their own native tongue as a child. French II is the second half of a two-year course of study. The course is correlated to national foreign language standards.

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| GERMAN I (SS011) | Distance Learning | Grades: 10-12 | 1 Credit |
|-------------------------|--------------------------|----------------------|-----------------|

Prerequisite: None

Required: No

This is the first semester of a year-long course. Think about how you learned to speak when you were a small child. Did you spend hours memorizing grammar rules and vocabulary lists? Probably not. Students won't in German I either. This innovative course, based on new information about how language is acquired, teaches students to speak German by focusing on listening, reading, writing, and spontaneous, natural speech.

German I is the first half of a two-year course of study. Students use online audio and a variety of written exercises to acquire the skills, knowledge and experience to lay the foundation for a continuing pursuit of language master. The course is correlated to national foreign language standards.

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| GERMAN II (SS012) | Distance Learning | Grade: 10-12 | 1 Credit |
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Prerequisite: German I

Required: Yes

This is the first semester of a year-long course. German II is a continuation of the innovative German I course that teaches students to speak German the way they learned their own native tongue as a child. German II is the second half of a two-year course of study. This course is correlated to national foreign language standards.

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| SPANISH I (SP101) | Grade: 9-12 | 1 Credit |
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| Prerequisite: None |
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| Required: No |
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Spanish I is an introductory course which emphasizes vocabulary, translation, grammar, idioms, and conjugations of regular/irregular verbs. Opportunities for oral reading and conversation will extend from the grammar and literature offerings. Students will also become acquainted with aspects of the larger cultural features of the Spanish-speaking world.

Assessment: Tests, quizzes, translations are all given point values and totaled. The grade scale is: 90-100%=A; 80-90%=B; 70-79%=C; 60-69%=D.

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|---------------------------|--------------------|-----------------|
| SPANISH II (SP102) | Grade: 9-12 | 1 Credit |
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| Prerequisite: Spanish I |
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| Required: No |
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Spanish II is a one-year elective course that emphasizes reading, writing, speaking, and listening. Students acquire working knowledge of all verb tenses, as well as subjunctive usage, through conversational and written work. Text exercises are supplemented with short stories and histories of the American Southwest, Spain, and Latin America written in Spanish. Feature-length films dubbed or originally produced in Spanish and the series *Destinos* and *Viva Espana* compliment aural comprehension.

Assessment: Students receive points on grammar exercises and/or tests that translate into letter grade scale is: 90-100%=A; 80-90%=B; 70-79%=C; 60-69%=D.

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| SPANISH III (SP103) | Grades: 10-12 | 1 Credit |
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| Prerequisite: Spanish II |
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| Required: No |
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Spanish III is a one-year elective course, which is a continuation of Spanish II. Review of grammatical structures and verb forms with an emphasis on subjunctive usage and idiom as demonstrated in literature and translation provides course structure. Students read/translate newspapers, magazines, short stories, and write short essays. Motion pictures and television programs in Spanish provide opportunities for aural comprehension.

Assessment: Students receive points on grammar exercises and/or tests. The grade scale is: 90-100% = A; 80-89% = B; 70-79% = C; 60-69% = D.

EDUCATIONAL DEVELOPMENT PLAN (EDP)

Name: _____

Career Pathway:_____

Occupational Choices: _____

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|------------------------------|------------------|-------------------------------|
| FRESHMAN | SOPHOMORE | CAREER PREP ACTIVITIES |
| | | |
| JUNIOR | SENIOR | |
| | | |
| CAREER CORE ELECTIVES | | |
| | | |

Parent/Guardian Signature

Date

Student Signature

Date

NOTES

Children are people who are going to carry on what you have started. They are going to sit where you are sitting and, when you are gone, attend to those things which you think are important. You may adopt all the policies you please, but how they are carried out depends on them. They will assume control of your cities, states, and nations. They are going to move in and take over your churches, schools, universities, and corporations - - the fate of humanity is in their hands.

Abraham Lincoln



The Mendon Community Schools would like to recognize the fact that our students are receiving such an excellent education because of the following partnership efforts on their behalf:

**Mendon Community Schools
148 Kirby Rd.
Mendon, MI 49072
(269) 496-8491**

**St. Joseph County ISD
62445 Shimmel Road
Centreville, MI 49032
(269) 467-5400**