



Career Exploration  
AP Courses/Exams  
Learning Skills  
College Credit Opportunities  
Music  
Health Science  
World Languages  
Regent Admission  
English  
Add/Drop  
NCAA  
Iowa BIG  
Art  
Social Science  
**MOUNT VERNON**  
**2020-2021 COURSE OFFERINGS**  
Physical  
**HIGH SCHOOL**  
Career Pathways  
Mathematics  
Eligibility  
Graduation Requirements  
Industrial Technology  
Business Education  
Vocational  
Education  
Family/Consumer Science



'Promoting Excellence in Academics, Arts, and Athletics'

## **TABLE OF CONTENTS**

Introduction .....	page 3
NCAA Eligibility.....	page 4
Add/Drop Rules.....	page 5
Graduation Requirements.....	page 6
Career Exploration.....	page 7
College Credit Opportunities – Senior Year Plus	
PSEO/Career Academy.....	page 8
AP Courses/Exams.....	page 11
Iowa Regent University Admission Requirements	page 13
Regent Admission Index (RAI).....	page 14
Miscellaneous.....	page 15
Art .....	page 15
Mount Vernon Business Education.....	page 17
English .....	page 20
Family/Consumer Science .....	page 25
Industrial Technology .....	page 27
Mathematics .....	page 30
Music .....	page 32
Physical Education/Health .....	page 34
Science .....	page 35
Social Science.....	page 38
Learning Skills .....	page 41
Vocational .....	page 42
World Languages .....	page 42
Iowa BIG.....	page 44

# INTRODUCTION

The staff at Mount Vernon Community High School has developed this Course of Studies booklet. Its purpose is to provide information about the courses offered at Mount Vernon High School next school year. This guide will help students and their parents become better acquainted with the content of specific courses and will aid students in the course selection process that will be taking place in February.

## HOW TO USE THIS COURSE GUIDE

In this booklet, you will find a brief description of each course offered at Mount Vernon High School.

The length of each course, recommended grade level, credit allotted, and any prerequisite for each course are listed. Prerequisites are conditions that must be met before enrollment. These prerequisites are established to provide the maximum assurance that the courses will be completed satisfactorily. A student who passes a course may not repeat that course for credit, unless indicated or approved by administration, but may repeat the course to earn a higher grade.

Students and parents are encouraged to read the descriptions, consider the recommendations made by your current instructors, discuss possible selection options, and be prepared to determine your final course selections in time for course registration, usually held in February.

Keep in mind that the counselor, registrar, and teachers are available to assist students and their parents in the selection of subjects and extra-curricular activities. It is recommended that parents contact the High School counselor regarding aptitude and achievement test scores when making college or vocational plans. Appointments with the counselor or administrative staff may be made by calling 895-8843.

Some courses are required at each grade level. Be sure to include them on your form for next year. It is recommended that every student, grades 9-11, take a minimum of thirteen (13) classes each academic year. It is recommended that seniors take a minimum of twelve (12) classes. Students must be enrolled in four (4) courses each semester to be considered a full-time student. A class is defined as any academic course in any of the core and/or vocational areas as well as band, choir, orchestra, and physical education. (Students should check the graduation requirements on page 6).

Before completing your course request form, read this course guide very carefully. Included in it are the requirements for graduation as well as the courses that will be offered for next year. After carefully reading the entire guide, you are to list the courses you wish to take on your grade level's course request form.

High School students all too often forget that the record they make during their high school career is part of their permanent record for life. Employers, colleges, and military personnel often contact the school for information about students. They are not only interested in grade point averages, they also want to know about attendance, behavior, extra-curricular involvement, etc. Your administrators, teachers, and counselor constantly remind you of the value of developing an appealing body of classes and activities during your four years at MVHS. Your parents should also help in stressing the importance of doing your best. Not all students can be top scholars, athletes, actors, musicians, cheerleaders, etc., but everyone should be attempting to do their best.

The records you establish in high school are important, as they are the start of life-time careers. It is essential that students plan for the future and contribute to their own growth as they progress through their high school years.

# NCAA Eligibility

If you wish to participate in NCAA Division I or II athletics, you need to be certified by the NCAA Eligibility Center. You need to qualify academically and you will also need to be cleared as an amateur student-athlete. You are responsible for achieving and protecting your eligibility status!

For more detailed information and to obtain a downloadable copy of the NCAA's official "Guide for College Student-Athletes", be sure to go to the NCAA Eligibility Center web site at: [www.eligibilitycenter.org](http://www.eligibilitycenter.org). You can also get a complete list of Mount Vernon High School's approved NCAA core courses by visiting the NCAA's web page. You can enter the site as an NCAA College-Bound Student-Athlete. Navigate to the "Resources" tab, click "U.S. Students", and then "List of NCAA Courses". You will find a complete list of Mount Vernon High School's approved NCAA core courses by typing in our school's 6-digit CEEB/ACT code: 163065.

Also available on the NCAA site are lists of the number of core courses in English, mathematics, science, social studies, and foreign language that any potential Division I or Division II student-athlete must complete in high school in order to be eligible for athletic competition as a first-year college student.

## Checklist for College-Bound Student-Athletes

If you think there may be a chance that you will be recruited as an NCAA Division I or Division II athlete, you should do the following:

- Beginning in your freshman year of high school, take rigorous and challenging course work.
- Register at the beginning of your junior year at [www.eligibilitycenter.org](http://www.eligibilitycenter.org).
- Ask your high school counselor to send your transcript to the NCAA Eligibility Center at the end of your junior year.
- Take the ACT or SAT and use the code "9999" to have your official scores sent directly to the NCAA Eligibility Center.
- Check with your high school counselor to make sure you are on track to graduate on time with your class and have the required number of core courses.
- Request final amateurism certification during your senior year (beginning April 1).
- Ask your high school counselor to submit your final transcript with proof of graduation.

## **Mount Vernon High School's "Denied / Not Recognized" NCAA Core Courses**

The NCAA Eligibility Center regularly evaluates high school course content and makes a judgment as to whether a core course (a course in only the areas of English, mathematics, social studies, science, or foreign language) is "approved" or "recognized" in determining initial eligibility to compete upon entering college. Only high school core courses that have been approved by the NCAA Eligibility Center may be used by a potential Division I or Division II student-athlete to meet the number of core courses required to be considered eligible for college athletic competition. The Mount Vernon High School core courses listed below have NOT been approved for eligibility consideration by the NCAA Eligibility Center.

\*\*It should be noted that all of these courses continue to meet the Mount Vernon School Board's standards as rigorous and comprehensive courses with credit applying toward graduation. Additionally, these are recognized core courses in all calculations related to the Regents Admission Index (RAI) as used by Iowa's three state universities for admission consideration.

DRAMATIC INTERP. & EXPRESSION  
PUBLICATION & DESIGN  
APPLIED MATH  
CONSUMER MATH

FILM AS LITERATURE  
INTERPERSONAL COMMUNICATION  
SPORTS IN AMERICAN SOCIETY

# **COURSES – STUDENT DROP / ADD REQUESTS**

At Mount Vernon High School the staff believes all students can learn and need to be in challenging and rigorous classes. Students are responsible for determining and accepting the course of study for which they register. They must plan very deliberately, always keeping in mind high school graduation requirements, individual abilities and interests, and post high school plans. Schedule adjustments will be made for academic reasons only. In many cases, parent permission will be required, but does not guarantee a schedule adjustment. Students are to limit their visits to the guidance office to make schedule changes to “one and done”.

Students must request to drop or add courses within the first three (3) days of each semester. Dropping a class after the third day of a semester will result in a grade of “F” on the student’s transcript. Drop / Add forms requiring parent and teacher signatures may be used to make any schedule change. Remember, students must be enrolled in four (4) courses each semester to be considered a full-time student.

Schedule changes are limited and will be based on the following criteria:

- 1. Will be made during your free time only. You will not be excused from classes to make changes.**
- 2. Only adds or drops allowed. Shuffling of classes for convenience is discouraged.**
- 3. No additions to sections with enrollment already at the designated maximum level.**
- 4. Changes can be made for legitimate educational reasons. If you have extenuating circumstances that you believe justify a schedule change please see a counselor. Unless there are unusual circumstances, the counselor will not allow changes such as.....**
  - a. to change teachers**
  - b. to change lunch periods**
  - c. to change to a friend’s class**
  - d. to change to a section with more students than the section you are already in.**
- 5. Administrative approval may be required for some schedule changes.**
- 6. MVHS will follow the Kirkwood policies for courses taken on the Kirkwood campus or for online Kirkwood offerings. For Kirkwood courses taught by MVHS instructors (ex. Menu Planning/Nutrition, Project Lead the Way courses), we will follow MVHS policy.**
- 7. In rare circumstances, students may be dropped from a course with a MEDICAL WITHDRAWAL. Students will need the correct paperwork from a physical or mental health care provider. Documentation must be in writing describing the absences and the medical procedures taking place with the student.**

# GRADUATION REQUIREMENTS

Physical Education	2.0 credits (0.5 / year)
Health 9	* 0.50 credit (J-Term – 9 <sup>th</sup> grade)
Mathematics	3.0 credits
Science – must include:	3.0 credits
Earth Science (Class of 2023+)	0.5 credit
Chemistry 1 (Class of 2023+)	0.5 credit
Biology	1.0 credit
Physics 1	0.5 credit
Social Studies - must include:	3.0 credits
US History	1.0 credit
World History	1.0 credit
Political Science	0.5 credit
Psychology or Sociology (Gr. 11 or 12)	0.5 credit
Language Arts – must include:	4.0 credits
English I	1.0 credit
English II	0.5 credit
One Communication Course	0.5 credit
One Literature Course	0.5 credit
One Composition Course	0.5 credit
Financial Literacy (Grade 11 or 12)	0.5 credit
Electives – must include:	11.0 credits (Class of 2021)
	11.5 credits (Class of 2022 and beyond)
Fine Arts/Practical Arts/Vocational Education	1.0 credit
CPR Completion (no credit, but must have to graduate, usually taught during Health 9)	

*All students must successfully participate  
every academic school year in the MVHS J-Term.*

*(The only exception is a senior who is graduating at the end of the 1st semester and not returning for 2nd semester.)*

<b><u>Total Credits</u></b>	<b><u>26.5 credits (Class of 2021)</u></b>
	<b><u>27.0 credits (Class of 2022 and beyond)</u></b>

**SUCCESSFULLY COMPLETED COURSES THAT MEET DAILY EARN .5 CREDIT / SEMESTER.** All students are required to comply with the attendance policies set forth by the Board of Education. Failure to comply with this policy may affect a student's graduation status. Students will be allowed to participate in the graduation ceremony and in all senior activities if they are in good standing and have met or exceeded the graduation requirements set by the Board. Students are not required to participate in the graduation ceremony. Graduation requirements are subject to review for students who transfer from other school districts.

# CAREER EXPLORATION OPPORTUNITIES

- **INTERNSHIP - .5 credit**  
**GRADES 11-12 ONE SEMESTER COURSE**  
**PREREQUISITE: COMPLETE A JOB SHADOW**

Through its internship program, the Workplace Learning Connection offers students a chance to gain work experience and specific knowledge about a particular career by spending time on a real job site.

High school juniors and seniors are assigned to a job site for 90 hours of planned and supervised career experiences spread over a 9-week period. Interns learn new skills, apply classroom knowledge in a real-world setting, develop employability behaviors that better prepare them for the workplace, and gain insight that will help them make more informed career choices. There are three requirements to meet in order to receive elective credit through MVHS:

- Complete 90 hours on a job site, working 2 hours per day for at least a 9-week period. Note that this requirement will mean blocking out at least a 2-hour window of time during the regular school day, thus limiting total class availability at MVHS. You will earn .5 unit of elective credit at MVHS for your 90-hour commitment.
- Complete the Guided Student Journal provided by the Workplace Learning Connection.
- Attend and participate in the three career development meetings sponsored by the Workplace Learning Connection.

A job internship is a real-life career exploration opportunity. The experience is designed for a student who has accumulated enough credits to allow the time to spend off-campus on a job site. Even though the internship will most likely be completed in 9 weeks, a student will have to make time available in his/her regular school schedule throughout an entire semester.

- **JOB SHADOW – NO CREDIT**  
**GRADES 10-12 1 DAY**  
**NO PREREQUISITES**

Job shadow students go into the workplace and spend two to six hours learning as much as they can about a specific job. Students will observe and interact with employers and workers on an actual job site to see if this career is a good fit for them.

In general, a student may apply for one job shadow experience per semester. Application forms must be completed and are available to students in late August (to apply for a first-semester job shadow) and in early December (to apply for a second-semester job shadow).

This experiential learning helps students better understand available local careers, as well as make a connection between what they're learning in high school and what will be required of them as employees.

Students must apply for a job shadow in a specific career area. Once assigned to a job shadow a student is responsible to:

- Contact the employer to verify that the student will attend the job shadow opportunity.
- Complete and return a MVHS pre-absence form at least one day prior to going on the job shadow.
- After the job shadow, complete an online survey to provide feedback to the employer and to the Workplace Learning Connection.
- After the job shadow, complete a "Thank You" post card, addressed to the employer. The post card is supplied and mailed by the Workplace Learning Connection.

A job shadow is a real-life career exploration opportunity. The experience is designed for a student who wants more direct information about a specific career area. A job shadow student must be responsible and dependable. The student will miss regular classroom time and must make up all missed work. A student must meet application deadlines, contact the employer in advance to verify attendance and follow up with the employer after the job shadow experience.

- No grade or credit is awarded for completing a job shadow.

# PROFILE OF A SUCCESSFUL STUDENT AT KIRKWOOD COMMUNITY COLLEGE:

This profile defines student characteristics that most commonly lead to successful participation and completion of College Credit in High School classes:

Academic skills or standing:

- ◆ Demonstrates excellent reading or writing skills, or uses reading and writing accommodations effectively
- ◆ Completes all assignments by due date, including assigned reading
- ◆ Demonstrates self-motivation as a learner
- ◆ Applies classroom learning to cases, observations, and service learning
- ◆ Has a minimum cumulative GPA of 2.5 in academic courses

Personal Traits/Dispositions:

- ◆ Demonstrates respect for others
- ◆ Demonstrates persistence
- ◆ Attends class (the entire class) every day unless there is a legitimate reason (illness, death in family, participation in required school activity, etc.)
- ◆ Exhibits intellectual curiosity and openness to new ideas
- ◆ Works well as part of a team
- ◆ Demonstrates honesty and ethical decision-making

Maturity:

- ◆ Demonstrates self-advocacy and communications skills (communicates needs)
- ◆ Successfully manages academic, work, extracurricular, and other commitments

## COLLEGE CREDIT OPPORTUNITIES

### • SENIOR YEAR PLUS

At MVHS, there are numerous opportunities to take courses that would earn a student college credit while in high school. This is due in large part to the legislation known as "Senior Year Plus". Senior Year Plus serves as an umbrella for a variety of programs including Alternative Concurrent Enrollment (formerly community college PSEO), concurrent enrollment and Post-Secondary Enrollment Options through a four year institution.

Mount Vernon High School, in cooperation with area colleges, offers a wide variety of dual credit (credit given on both a high school and college transcript) college courses to 12th 11th and recommended 9th and 10th graders.

Students must be aware when taking courses through Senior Year Plus that the grade they receive will be their grade for that class on their high school transcript. In addition, MVHS only receives midterm and final grade reports from the college/university about student performance. The student is ultimately responsible for monitoring their own progress and success.

Students must consider that there can be serious consequences for poor grades in college courses. All grades for college courses will go on their official college transcript. A student who does poorly on college classes creates a low college grade point average (GPA) which may put that student on academic probation when beginning their post-secondary education. Please consider all the consequences, good or bad, of taking college level work.

Students may enroll in Kirkwood courses (alternative concurrent enrollment) or other post-secondary institutions. Most commonly, students enroll in courses through Cornell College and the University of Iowa, however other non-community colleges are included under the Senior Year Plus Legislation.

- **ALTERNATIVE CONCURRENT ENROLLMENT**

Students in 11th and 12th grades and recommended 9th and 10th graders may enroll in courses at eligible post-secondary community colleges under the Senior Year Plus legislation. The district will pay the post-secondary institution for each course enrollment approved by the Board. This includes payment for the required books for the course. In these courses, high school students are immersed with college students and the instructor is not necessarily aware that the student is still in high school.

Mount Vernon High school contracts with Kirkwood Community College for alternative concurrent enrollment courses. As part of earning Kirkwood college credit for these courses, students must complete an online application to Kirkwood Community College and must provide a Social Security number as part of the secure online college application process to create the official student record.

**THE SENIOR YEAR PLUS PROGRAM REQUIRES THAT THE FOLLOWING PREREQUISITES BE FULFILLED FOR ALTERNATIVE CONCURRENT ENROLLMENT COURSES AND PSEO COURSES:**

- ◆ Students must demonstrate proficiency in each of 3 academic areas: Reading, Mathematics, and Science as measured by standardized scores on the Iowa Assessments OR ACT.
- ◆ At Kirkwood Community College, students must take the ACCUPLACER, ALEKS or the ACT and have a qualifying score that meets Kirkwood admission requirements. Interested students should check with the counselor to look at specific scores required. The ACCUPLACER and ALEKS can be taken at no cost at the Kirkwood Testing Center in Cedar Hall (319-398-5456). For the ACT, students must plan ahead and register in advance.
- ◆ Students who don't meet qualifying scores established by area colleges will forfeit the opportunity to enroll in a college credit class.
- ◆ A student may not enroll in an Alternate Concurrent Enrollment course that has a Kirkwood course number below 100
- ◆ Courses must be credit-bearing and lead to an educational degree at an eligible post-secondary institution (music and art lessons, internship type courses are examples of courses not approved under Senior Year Plus Legislation).
- ◆ Courses must be non-religious or sectarian. Prior to registering for any college course, students must receive approval from MVHS.
- ◆ Successfully completed alternative concurrent courses award both high school and college credit. The student will be awarded .5 credit for Mount Vernon High School and the credits awarded by Kirkwood. The grade received will appear on the high school and college transcript and will be calculated into the high school GPA.
- ◆ Students not planning to attend the college where credit was awarded upon graduating high school should plan to include the college transcript as part of their application process to other colleges. This does not guarantee that the credit will transfer to other colleges or into your degree program. Students must request the college transcript. MVHS does not have access to college transcripts.
- ◆ MVHS students are highly encouraged to exhaust the MVHS course offerings before taking courses through a post-secondary school. Students who complete the high school course first have shown the greatest success in the college course.

**Students who wish to enroll in an Alternative Concurrent course should contact the counselor for a list of courses available, the application form, and to confirm that pre-requisites for the course(s) have been fulfilled.**

- **CAREER ACADEMIES through Kirkwood Community College**

The concurrent enrollment program, also known as district-to-community-college sharing, promotes rigorous academic or career and technical pursuits by providing opportunities for high school students to enroll part-time in eligible nonsectarian courses at or through a community college. Per Senior Year Plus, concurrent enrollment courses are offered through contractual agreements between community colleges and school districts within their service area. All college credit-bearing coursework offered at the Kirkwood Linn Regional Center and Mount Vernon High school are considered concurrent enrollment. (Same pre-requisites apply as described above). MVHS is responsible for payment of the course fee and will get supplementary funding from the state for student enrollment in the course(s). Academies offered at the Linn County Regional Center for the 2018-2019 school year are:

- ◆ Arts and Sciences Academy: General education core courses for students that are going to go for an associate's degree or transfer to a four year college.
- ◆ Advanced Manufacturing and Welding Academy: Students learn basic AutoCAD operations, general machine set-up, basic blueprint reading and math skills, as well as computer-based and hands-on training in code writing and CNC machine setup and operations.
- ◆ Architecture, Construction, and Engineering Academy: Unique, hands-on laboratory and classroom experiences in basic architecture and construction skills, with support from industry experts, including jobsite tours.
- ◆ Business Exploration Academy: Some of the most popular college majors are in business-related fields. This academy will give you a jump start to determine which areas best match your future goals.
- ◆ Business Social Media Marketing: Organizations of all sizes are turning to Social Media to create, manage and enhance brands via a Facebook page, Twitter profile or Instagram feed. This experience packages four courses required for Kirkwood's Social Media Marketing certificate that can be completed at the post-secondary level. Learn the fundamentals, design principles and core concepts of marketing necessary to become more effective in one of the fastest growing approaches to communication in a variety of sectors and career fields.
- ◆ Computer Software Development Academy: The Kirkwood Computer Software Development Academy can lead students to college certificates, diplomas, associates, bachelors and graduate degrees. Examples of college majors include, but are not limited to: Computer Programmer, Business Systems Analyst, Internet Programmer, and more
- ◆ Criminal Justice Academy: This college-level course work is designed to prepare you for your next step into a degree program or familiarize you with the criminal justice system before you seek entry-level opportunities.
- ◆ Dental Academy: Foundational course work jump-starts students in one of three dental related career fields.
- ◆ Education Academy: This fast-paced learning experience provides an introduction to students pursuing education careers. The curriculum combines a strong arts and sciences background with professional courses.
- ◆ Emergency Medical Technician (EMT) Academy: Fast-paced, hands-on learning environment that prepares students in pre-hospital emergency or entry-level firefighter. Utilize skills mastered, under supervision, in actual pre-hospital and emergency settings.
- ◆ Graphics, Media, Communications, and Design Academy: Learn to think creatively about the world around you. Explore design, hone your creative problem solving skills, and learn to use the most up-to-date software. Students will build on their art and communication skills to explore new levels of creativity, and layout and design fundamentals.
- ◆ Pre-Human Services Academy: This academy is a blend of theory and opportunities for real-life application in social service agencies.
- ◆ Industrial Maintenance, Renewable Energy and Automation Academy: Development of entry-level skills and industry certification and knowledge for those who want to pursue one of the many careers available in the sustainable energy and industrial maintenance industry.
- ◆ Information Technology Academy: This academy exposes students at an introductory level to networking, programming, and PC hardware to give them a better idea of which path would be best suited for them.
- ◆ Patient Care Academy: Unique, hands-on learning experience providing care for patients in a clinical setting. Work side-by-side with health care professionals in a long term health care facility. Fulfill prerequisites for many college health care programs.
- ◆ Pre-Allied Health Academy: The Physical Therapist Assistant Academy provides an introduction to Physical Therapy related careers. The curriculum combines a strong arts and sciences background with professional courses.
- ◆ Pre-Professional Academy: The Kirkwood Pre-Professional Academy prepares students for associates, bachelors and graduate degrees in Pre-Professional Programs (Pre-Chiro, Pre-Dental, Pre-Pharm, Pre-Med, and other Pre-Professional-related fields).
- ◆ Project Lead the Way: PLTW courses may be included in a package of academy classes at Linn Regional or offered as a companion experience. Courses include: Computer Science and Software Engineering, Environmental Sustainability, and Digital Electronics.
- ◆ Transportation Academy: Students become skilled in real life bumper-to-bumper diagnosis and maintenance, with certification opportunities as a power user of Snap On diagnostic tools. Experience cutting edge virtual training technology used in welding and auto collision repair to develop necessary foundation skills in the expanded automotive and transportation field.

Please note that the academy is expected to be taken in its entirety (with the exception of Project Lead the Way) not just one or two courses of the specific academy. For details on the courses and credits within each academy, see [www.kirkwood.edu/linnacademies](http://www.kirkwood.edu/linnacademies). Students will receive both high school credit and college credit (called dual enrollment credit). The college credits possible for each Kirkwood course are listed on the course descriptions. All one semester dual enrollment credit courses, whether taken at Linn County Regional Center, alternative concurrent, or PSEO will receive .5 Mount Vernon high school credit. Students interested in any of these programs should contact the counseling office for more information and be aware of timelines and deadlines for signing up for these programs.

## **Extended Learning Program (ELP) TIER 3 - Accommodation possibilities:**

- ◆ **Substitute a general course with an AP course**
  - **Example: substitute AP Psychology for Psychology**
- ◆ **Pretest out of a required course in order to take a related AP course**
  - **Example: pretest out of Financial Literacy to take AP Microeconomics**
- ◆ **Take an AP course as a freshman and/or a sophomore**
  - **Example: take AP Computer Science as a freshman**

## **Advanced Placement (AP) Online Courses**

Through Iowa Online Advanced Placement Academy (IOAPA)

- AP Online courses are rigorous, **college**-level classes offered in a variety of disciplines.
- Any junior or senior may take AP Online courses.
- Freshmen and sophomore ELP students may take AP Online courses.
- Students must have an open period in their schedule for an AP Online course.
- Student should feel very comfortable with online course format and be an independent learner.
- Students will have both an online instructor and a mentor available at school for additional in-person support.

Space is very limited in these courses; classes will be filled on a first-come, first-served basis. Registration for an online AP course must go through the ELP Coordinator's office. Registration for first semester begins in April and must be completed no later than mid-June. Registration for second semester begins in November and must be completed before winter break.

Online Advanced Placement courses available:

AP Biology  
AP Calculus AB  
AP Computer Science A  
AP Computer Science Principles  
AP English Language & Composition  
AP Environmental Science  
AP Macroeconomics\*  
AP Microeconomics\*  
AP Psychology\*  
AP Spanish  
AP Statistics  
AP US Government and Politics\*

AP US History  
Introduction to Computer Science\* - 9th grade only  
(A semester-long online class designed to help prepare students for AP computer science classes.)

\*denotes semester-long class, all others are year-long

Course details are listed on the IOAPA course catalog page at:  
<http://www2education.uiowa.edu/belinblank/students/ioapa/Catalog.aspx>

Contact: ELP Coordinator

# SPECIAL TESTING PROGRAMS

There are numerous tests administered by organizations other than high schools for special purposes such as college admission, scholarships, placement, and vocational guidance. Therefore, it is necessary that students begin planning early. The choice of college will determine which tests are needed. Information about these tests may be obtained in the counseling office. Students are encouraged to discuss their individual needs with a counselor.

- ◆ PSAT/National Merit Scholastic Qualifying Test (PSAT/NMSQT) - This test is an elective test administered to sophomores and juniors during the fall semester. For sophomores, it provides practice for the SAT and for juniors, initiates the selection process for National Merit Scholarship winners. There is a fee for this test.
- ◆ American College Testing Program (ACT) - The ACT is used by most four year colleges and universities for admission, placement, and scholarships. This test is most often taken during the spring (April) of the junior year, but can be taken in June, as well as at the beginning (September/October) of the senior year. The ACT may be used as one of the assessments to fulfill dual credit course eligibility requirements. Registration is online. Information is available in the counseling office. There is a fee for this test.
- ◆ College Entrance Examination Board (SAT) - Some colleges and some national scholarships require the SAT. This test is mainly for seniors although some juniors may wish to take it in the spring or summer. Students should consult their counselor for testing dates and centers. Registration materials are available in the counseling office. There is a fee for this test.
- ◆ Advanced Placement - These tests are used by some colleges to allow students advanced standing, advanced credit or both before they actually enroll as freshmen at college. Students are strongly advised to check the policy of their prospective college regarding advanced credit or placement before taking these tests. There is a fee for this test.
- ◆ ASVAB - The ASVAB is a multiple-aptitude battery that measures developed abilities and helps predict future academic and occupational success in the military. Students who take the ASVAB are not required to enlist in the military. Results can also be used by students to guide them into career areas where they show strength and interest. There is NO fee for this test.
- ◆ ACCUPLACER –The ACCUPLACER is a college placement test used to evaluate students' skills in math, reading, and writing. Community colleges use the ACCUPLACER to place students in appropriate classes. (At MVHS, the ACCUPLACER is used as one of the assessments to fulfill dual credit course eligibility requirements.) There is NO fee for this test.
- ◆ ALEKS – The ALEKS is a college placement test used to evaluate students' skills in math. Colleges use the ALEKS to place students in appropriate classes. (At MVHS, the ALEKS is used as one of the assessments to fulfill dual credit course eligibility requirements.) There is NO fee for this test.

# High School Course Requirements for Admission to Iowa's Regent Universities

In addition to meeting the Regent Admission Index requirement, students must complete the minimum number of high school courses specified below for the institution to which they're applying.

Subject Area	Iowa State University	The University of Iowa	University of Northern Iowa
<b>English/Language Arts</b>	Four years of English/Language Arts emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.	Four years, with an emphasis on the analysis and interpretation of literature, composition, and speech.	Four years, including one year of composition; also may include one year of speech, communication, or journalism.
<b>Math</b>	Three years, including one year each of algebra, geometry, and advanced algebra.	Three years, including two years of algebra and one year of geometry, for admission to the <b>College of Liberal Arts and Sciences</b> . Four years, including two years of algebra, one year of geometry, and one year of higher mathematics (trigonometry, analysis, or calculus), for admission to the <b>College of Engineering</b> .	Three years, including the equivalent of algebra, geometry, and advanced algebra.
<b>Natural Science</b>	Three years, including one year each from any two of the following: biology, chemistry, and physics.	Three years, including one year each from any two of the following: biology, chemistry, and physics for admission to the <b>College of Liberal Arts and Sciences</b> . Three years, including at least one year of chemistry and one year of physics, for admission to the <b>College of Engineering</b> .	Three years, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.
<b>Social Science</b>	Two years for admission to the <b>Colleges of Agriculture, Business, Design, Human Sciences, and Engineering</b> . Three years for admission to the <b>College of Liberal Arts and Sciences</b> .	Three years, with U.S. history and world history recommended for admission to the <b>College of Liberal Arts and Sciences</b> . Two years, with U.S. history and world history recommended, for admission to the <b>College of Engineering</b> .	Three years, including courses in anthropology, economics, geography, government, history, psychology, or sociology.
<b>Foreign Language</b>	Two years of a single foreign language for admission to the <b>College of Liberal Arts and Sciences</b> and the <b>College of Engineering</b> . Foreign language courses are not required for admission to the <b>Colleges of Agriculture, Business, Design, or Human Sciences</b> .	Two years of a single foreign language.	Foreign language courses are not required for admission. However, two years of a foreign language in high school with a C- or above in the last term will meet the university graduation requirement.
<b>Other Courses</b>	Specific elective courses are not required for admission to Iowa State University.	Specific elective courses are not required for admission to The University of Iowa.	Two years of additional courses from the required subject areas, foreign languages, or fine arts.

Note: Non-resident freshman applicants may be held to higher standards for admission, but must meet at least the same requirements as resident freshman applicants.

# Regent Admission Index

Students from Iowa high schools planning to begin studies at an Iowa Regents institution must have a Regent Admission Index score of at least 245 and take the minimum number of required high school courses to qualify for automatic admission to Iowa State University, the University of Northern Iowa, and The University of Iowa. Students who achieve a score less than 245 will be considered for admission on an individual basis.

The index combines four factors that strongly predict success at regent universities: ACT or SAT test score, high school cumulative grade-point average, and the number of completed high school core courses (which include only the courses listed below). **Information you will need to complete your RAI Score:**

**\*Note: There is an RAI calculator available at: [www.regents.iowa.gov/RAI/index.html](http://www.regents.iowa.gov/RAI/index.html)** (cap sensitive)

Your ACT or SAT score: \_\_\_\_\_ Your Current Cumulative GPA: \_\_\_\_\_

Your Total Number of Core Courses (**See Below**): \_\_\_\_\_

**Mount Vernon High School Core Courses for RAI Calculation**

English	Math	Science	Social Studies	Foreign Language
African/American Lit*	Algebra 1	Anatomy & Physiology	Political Science*	German 1
British Literature*	Algebra 2	Biology	Probs Mod.Society*	German 2
Contemporary Literature*	Geometry	Chemistry 1*	Psychology*	German 3
Drama Interp/Expression*	Honors Alg. 2	Chemistry 2*	Sociology*	Honors German 4
Film as Literature*	H. Pre-Calc/Trig	Adv. Chemistry 3*	Internat Relations*	Spanish 1
English 1	Honors Calculus	Earth Science	US History	Spanish 2
English 2*	College Prep Math*	Physics	World History	Spanish 3
Fiction Writing*		Physical Science	Criminal Justice*	Honors Spanish 4
Advanced Composition*		Astronomy/Meteorology*	Women in US Hist*	
21 <sup>st</sup> Cent. Journalistic Writ*		PLTW Princip of Engin.	AP World History	
Honors Composition*			Sports in Am. Soc*	
Honors American Lit.*			American West*	
Mystery Stories*			J-Term Rec US Hst	
Popular Literature*				
Honors World Literature*				
Speech & Debate*				
Interpersonal Commun*				
Approved college courses*	Approved college courses*	Approved college courses*	Approved college courses*	Approved college courses*
Approved BIG courses*			Approved BIG courses*	

In the RAI Calculation, the number of core courses you enter should include courses that you have successfully completed. A year-long course is worth 1 unit and a semester course is worth one-half (.5) unit as you calculate core units to enter into the RAI calculation. \* Any class marked by an asterisk is a semester-long course.

# MISCELLANEOUS

- DRIVER'S EDUCATION**

The Mount Vernon Community School District does not sponsor a summer driver's education program. Instead, private companies offer driver's education programs in Mount Vernon. They offer comparable services and costs at convenient times to all families. Reduced driver's education fees are available for students who qualify through federal free/reduced lunch guidelines. These families may contact the high school office for more information. The private companies will advertise their programs and work directly with the school district to provide the reduced fees. As a reminder, all students must possess a driving permit before starting in a driver's education program. If you have any questions regarding driver's education, please contact the High School office at 895-8843.

- INDEPENDENT STUDY**

Independent study may be available on a limited basis by approval of the principal. Advanced students should consider enrolling in college courses or online Advanced Placement courses as an alternate to applying for independent study course work. **A written plan of study must be approved by the instructor and principal prior to beginning an independent study course.**

## ART DEPARTMENT

### ART CAREER OPPORTUNITIES

Illustrator:	Designer:	Art Historian/Museum:	Studio Artist:	Other:
Advertising	Branding	Art Appraiser	Ceramicist	Art Teacher
Animation	Costume	Art Law and Law Enforcement	Fiber Artist	Art Therapist
Book	Fashion	Collection Manager	Jeweler	
Comic	Graphic	Conservator	Muralist	
Concept	Interior / Furniture	Curator	Painter	
Film Story Board	Landscaping	Education Director	Photographer	
Graphic Novel	Product	Gallery Owner	Sculptor	
Letter Form	Theater Set/Prop			
Manga	Video Game			
Medical	Website			

## Art Classes

- ART MEDIA SURVEY- .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This is a hands-on elective for students interested in exploring a variety of art styles and media tools. This includes but is not limited to printmaking, painting, fiber art, sculpture, ceramic, and glass. Along the way we will learn terms and definitions connected to studio art. Students will be assessed on recognition of art terms, ability to recognize famous works of art, and the techniques shown in artwork they create in studio as well as use of studio time.

- **CERAMICS 1 - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This is a hands-on elective for students interested in learning how to create functional and sculptural ceramic pottery. Students will learn the vocabulary of ceramic techniques, materials, and tools. Students will learn slab building, coil building, and wheel throwing as well as glaze application techniques. Students will be assessed on work created and use of studio time.
- **CERAMICS 2 - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**PREREQUISITE: CERAMICS 1**

This advanced course will continue to refine students' skills while focusing on our preferred method of construction. The course will begin with a production boot camp where we will use repetition to hone our skills. We will delve deeper into the science of clay bodies and glazes. Students will be assessed on their planning, work created, and use of studio time.
- **DIGITAL ART - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

Students will review software tools in the Adobe Suite as well as iMovie to create works of art. Students will utilize digital drawing tablets as well as digital cameras. Students will explore branding by creating a logo, business card, and aesthetic for their graphic design firm. Students will be assessed through use of studio time, use of sketchbook and artwork created.
- **DRAWING and PAINTING 1- .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course focuses on the study of studio art and on foundational media techniques of drawing and painting. We will cover use of pencil, charcoal, acrylic, watercolor, and India ink. This course will allow for creative application of those techniques and art criticism. Students are required to write an essay analyzing the life and method of a famous artist and will reflect on how this artist has influenced the student's work. Students will be assessed on their planning, work created, and use of studio time.
- **DRAWING and PAINTING 2 - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**PREREQUISITE: DRAWING and PAINTING 1**

This class follows Drawing and Painting 1 and will be a more in depth look into various media. We will also delve into mixed media and other more advanced techniques. Students will begin to focus on their preferred method of drawing and painting and will create a website featuring their work. Students will also create their first artist's statement. Students will be assessed on their planning, work created, and use of studio time.
- **PHOTOGRAPHY 1 - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course will allow students to learn and practice the skills necessary to create art through photography. Starting with the basics of lighting and composition, students will learn what goes into creating a captivating image. Then images will be edited, enhanced, and manipulated using Adobe Photoshop. We will cover portrait, still life, abstract, and landscape photography. Students are required to write an essay analyzing the life and method of a famous artist and will reflect on how this artist has influenced the student's work.

- **PHOTOGRAPHY 2 - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**PREREQUISITES: PHOTOGRAPHY 1**

This class follows Photography 1 and will be a more in depth look into photography techniques. Students will begin to focus on their preferred method of photography and will create a website featuring their work. Students will also create their first artist's statement. Students will be assessed on their planning, work created, and use of studio time.

- **JUNIOR PORTFOLIO PREP - .5 credit**  
**GRADE 11 ONE SEMESTER COURSE (repeatable)**  
**PREREQUISITES: DRAWING/PAINTING 1 & 2, PHOTOGRAPHY or CERAMICS**  
**\*\*MEETING WITH INSTRUCTOR IS REQUIRED PRIOR TO ENROLLMENT REQUEST**

This studio course is open to juniors who have taken at least two studio courses and who plan on taking Senior Art Portfolio next year. To be considered for enrollment in this course, juniors must meet with the instructor. During this meeting the instructor will review the student's sketchbook and an outline of the student's plan for the course. This is a student-led course where students will focus their style and will create a body of work that reflects their unique voice. Students will be responsible for providing an art sketchbook. Students will also participate in weekly meetings with the instructor to track progress. Students will be assessed through the use of studio time, sketchbook entries, artwork created, and written reflections. Juniors are also required to write three essays about artists whose unique style inspires the student's work. Students must organize an exhibit of their work sometime during the second quarter of the semester.

- **SENIOR ART PORTFOLIO - .5 credit**  
**GRADE 12 ONE SEMESTER COURSE (repeatable)**  
**PREREQUISITES: DRAWING/PAINTING 1 and 2, PHOTOGRAPHY or CERAMICS**  
**\*\*APPLICATION LETTER / SKETCHBOOK REVIEW / CONSENT OF INSTRUCTOR REQUIRED**

This studio course is open to seniors who plan to be involved in the visual arts after high school. The goal of this course is to create a collection of 10 cohesive works of art that explore a specific idea as a visual investigation. The portfolio can be used to apply to university programs, art schools, and will be entered into the Scholastic Art Competition. Seniors will hone their distinct art style and will create a body of work that reflects their unique voice. Students will be responsible for providing an art sketchbook and portfolio. Senior Portfolio students will create 10 original work of art, an artist statement, will participate in group critiques, and will submit the portfolio to a panel of artist for review. Students will be assessed through use of studio time, use of sketchbook, artwork created, participation in group critiques, and presentation to panel. Students are also required to write a final artist's statement describing the context and method of their work.

## **MOUNT VERNON BUSINESS EDUCATION**

### **BUSINESS CAREER OPPORTUNITIES**

Accounting Clerk  
Administrative Assistant  
Associate Real Estate Broker  
Bank Chief Executive Officer  
Bank PR/Marketing Specialist  
Bank Teller  
Bill Collector  
Bookkeeper  
Broker  
Business Manager  
Career Resource Specialist  
Cashier  
Certified Public Accountant  
City Manager  
Clerical Worker  
Commercial Tax Specialist

Commodities Broker  
Community Rel. Dir. /Specialist  
Computer Customer Service Rep.  
Computer Sales/SysConsultant  
Computer Keypunch Operator  
Consumer Credit Counselor  
Cost Accountant  
County Clerk  
Court Reporter  
Credit Manager  
Customer Service Representative  
Data Entry Operator  
Department Manager  
Display Manager  
Executive Secretary  
Financial Planner

Hospital Administrator  
Hotel Desk Clerk/Manager  
Ins Actuary/Underwriter/Agent  
Internal Revenue Agent  
Job Training Counselor  
Legal Assistant/Secretary  
Mail Carrier/Clerk  
Medical Secretary  
Office Machines Operator  
Probation Officer  
Restaurant Owner/Manager  
School Secretary  
Secretary/Word Processor Operator  
Software Engineer  
Stenographer  
Teacher/Counselor

# Available Classes

- **FINANCIAL LITERACY - .5 credit**  
**GRADES 11-12 ONE SEMESTER COURSE** (graduation requirement)  
**NO PREREQUISITES**  
This course introduces students to money management and personal financial tasks that students will use in everyday life. Students will learn how to earn money through career search and method of payments, manage money through banking and budgeting, make money grow through investments such as stocks and bonds, make sound purchasing decisions, and be a responsible user of credit. Community and business involvement, including guest speakers and field trips will provide support to students as well as foster positive relationships in the community. This course relies heavily on project based assessment allowing students to demonstrate their ability to apply, analyze and synthesize what they are learning.
- **EARLY BIRD FINANCIAL LITERACY - .5 credit**  
**GRADES 11-12 EVERY OTHER DAY, YEAR-LONG**  
**NO PREREQUISITES**  
Same as above except will meet every other day all year long during the early bird period. Transportation to early bird classes is the responsibility of the student.
- **AP COMPUTER SCIENCE PRINCIPLES – 1.0 credit** (New in 2020-2021)  
**GRADES 9-12 YEAR LONG COURSE**  
**NO PREREQUISITES**  
Computer Science Principles (CS Principles) introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can influence the world. This class is more than a traditional introduction to programming. It is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in. The course covers many topics including the Internet, Digital Information, Building Apps, Big Data and Privacy, and Programming and Algorithms. *\*No prerequisites required for students new to computer science.*
- **ACCOUNTING I - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
Accounting I is designed for students desiring entry level preparation for careers in business and is highly recommended for students seeking further accounting study at the collegiate level. Emphasis is on the understanding of basic accounting concepts for a sole proprietorship (a business owned by one person). The class will take students through an entire accounting cycle for a sole proprietorship. Students will learn the fundamentals of double-entry accounting for personal and small business use. Computers and various business forms will be used to help students develop a beginning understanding of the business world
- **ACCOUNTING II - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**PREREQUISITE: ACCOUNTING I**  
This class is a continuation of the content learned in Accounting I. The emphasis is on the understanding of basic accounting concepts for a merchandising business organized as a corporation. Merchandising businesses purchase merchandise for resale, charge sales tax on sales of merchandise, and include a Cost of Goods section on the income statement. The class will take the student through an entire accounting cycle for a corporation. They will also learn that corporations require different equity accounts and an additional financial statement. The business in this part uses subsidiary ledgers and has a payroll system for compensating its employees. Computers and various business forms will be used to help students develop a beginning understanding of the business world.

- **IT AND COMPUTER APPLICATIONS 1 - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

In Principles of Information Technology (IT), you will learn basic principles and concepts about information technology to help you become a more valuable employee, a better citizen, and a knowledgeable consumer. You begin by learning about the basic ins and outs of IT, progress to applications that will likely be used in the workplace and a fundamental mastery of the basic business software applications: Word Processing, Spreadsheets, and Presentations. Finish by learning about the interconnectivity that runs in daily life. Hands-on activities featured in the class will allow you to practice the topics discussed in an easy and intuitive manner.

- **ENTREPRENEURSHIP - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

Students will learn about what it takes to own and operate a business. In the first half of the class, the students will learn about business concepts and create a business plan for a “start-up business.” This plan will then be presented to potential community investors and school administrators. In the second half, the students will idea-generate a business that the class will own and operate. Students will create a business name and logo, write a mission statement, develop a product or service, create a management team, develop a marketing/advertising campaign, staff the business, find financing, and hopefully successfully navigate the ups and downs of running a business. All profits from the student-run business will be donated to a charity of the class’s choosing.

- **theSTABLE (may take this class twice, both times for credit) - .5 Credit**  
**GRADES: 11-12 ONE SEMESTER COURSE**

**PREREQUISITE: ENTREPRENEURSHIP or PERMISSION OF INSTRUCTOR**

Students will be involved in the continued development and operations of theSTABLE, a student-run business specializing in selling branded Mustang apparel and merchandise in conjunction with the Booster Club. Students should expect to spend their time focused on market planning, marketing research, product/service management, promotion, pricing, merchandising, selling, distribution, and financial analysis. Skills needed to be successful include: creative and logical thinking, willingness to work as a team, effective communication, ethical behavior and professional demeanor when working with customers and investors.

\*\*This class has a work component built-in and may require students to work outside of normal instructional time.

## ENGLISH/LANGUAGE ARTS DEPARTMENT

### ENGLISH/LANGUAGE ARTS CAREER OPPORTUNITIES

Advertising Agent	Journalist	Reporter
Auctioneer	Lawyer and Paralegal	Retail Manager
Book Store Manager	Lecturer	Salesperson
Claims Agent	Librarian	Scriptwriter
Clerk	Lyric and Song Writer	Secretary
Communications Director	Newspaper Reporter	Social Worker
Consultant	Personnel Manager	Sportscaster
Editor	Poet	Stenographer
Electronic Mass Marketing	Poet Versifier	Teacher
Employment Manager	Promotion Manager	Telecommunications
ESL (Eng. as a 2 <sup>nd</sup> Language Instructor)	Proofreader	Translator
FAX Operator	Public Relations Agent	Travel Agent/Guide
Film, TV, Stage Performer	Publicist	Typist
Government Service	Radio & TV Announcer	Word Processor Operator
Insurance Agent	Receptionist	Writer

# English Required Courses

- ENGLISH 1 – 1.0 credit**  
**GRADE 9 YEAR LONG COURSE**  
**NO PREREQUISITES**

This course prepares ninth graders for high school reading, writing, and speaking. Reading includes all major literary genres; writing is both expository and creative and includes work on usage, grammar, spelling, and vocabulary; speaking involves dramatic interpretation, pantomime, and expository address. Beginning poetry and classical literature through film are part of the curriculum. A beginning research paper is required. Romeo and Juliet, Of Mice and Men, and Lord of the Flies are among the works read.

- ENGLISH 2 – .5 credit** **(1st or 2nd semester)**  
**GRADE 10 ONE SEMESTER COURSE**  
**PREREQUISITE: ENGLISH 1**

English 2 is the final semester of the required core English requirement and includes the study of literature, writing, speaking, and usage. Students will study short stories, novels, plays, poems, and essays. Expository writing and creative writings are integrated with reading, and a research project is required. every day, To Kill a Mockingbird, Night, and Beartown are major units.

## English Department Curriculum Guide

The State of Iowa requires students to take a total of EIGHT SEMESTERS of English during high school. ALL students take ENGLISH 1 (two semesters) and ENGLISH 2 (one semester). Three semesters come from the three curricular areas within the department: composition, literature, and communication. The final two semester credits are electives chosen from any English course.

Beginning in the sophomore year, students may plan on taking any course in the English department; however, honors classes are only open to juniors and seniors and Honors Composition is only open to seniors.

Composition	Literature	Communication
Fiction Writing	Popular Literature	<i>Dramatic Interpretation</i>
Advanced Composition	Mystery Stories	<i>Interpersonal Communication</i>
21 <sup>st</sup> C. Journalistic Writing*	African-American Literature	Speech
AP Literature and Composition*	<i>Film as Literature</i>	Honors Speech and Debate
Honors Composition*	Contemporary Literature	
	Honors World Literature*	
	AP Literature and Composition*	

\* AP tests are offered annually at MVHS. Taking most or all of these courses will prepare you well for the AP test. Students who have taken these classes usually score well on the AP English Language and AP English Literature tests.

\* Course titles in italics are not approved for potential NCAA Division I student-athletes.

**Plan ahead:**

Work with your parents, teachers, and the guidance department to pick classes that are the **best fit for YOU**. Some classes are only offered in specific semesters, so make sure to ask questions. Honors classes are only open to juniors and seniors, except for Honors Composition, which is only open for seniors. *The next step is to have your current English teacher sign off on your choices prior to registration.*

## English Elective Courses

The English courses listed below are open to sophomores, juniors, and seniors unless otherwise noted. Students must take at least five (5) semesters of English electives as a requirement for graduation from MVHS. In addition, the English Department requires that students enroll in at least one elective in each of the major areas: literature, speech/communication, and writing. College bound students should also be aware of the requirements for entrance into the college they are considering when planning their high school schedules. Students must confer with a department member before selecting their English courses for future semesters.

Students whose writing is below standard level as determined by their English 1 and English 2 writing are strongly encouraged to enroll in one semester of Fiction Writing. The writing process is an integral part of the writing done in all classes. Students should expect to meet the writing requirement in all English elective courses by sharing their writing with other students at various stages of the writing process.

Outside reading is required in most literature courses because reading is the basis of all language skills. Verbal class participation is also very important in all English classes. Therefore, regular attendance in class plays a key role in a student's success in the learning process. Orally questioning, arguing, or reiterating literary themes usually results in a higher level of achievement. Reading, writing, listening, viewing, and speaking are important components of our English curriculum.

- **FICTION WRITING - .5 credit**  
**GRADES 10-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
This class emphasizes the composition of short fiction with instruction to guide the student through the composition process. Activities provide a laboratory experience in which students write daily. Although composition is an independent activity, peer editing, class discussion, and teacher conferences provide feedback to the writer. Short fiction published in current literary magazines as well as contemporary classics and recent student work will be studied as models. For students who enjoy writing, this class provides an outlet for expression; at the same time it attempts to expose them to the complexities of contemporary fiction writing.
- **ADVANCED COMPOSITION - .5 credit**  
**GRADES 10-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
The purpose of this class is to improve the reading and writing skills of students as they learn the technical elements of a variety of literary genres. Specifically, students will be studying these four styles of writing: technical writing (business letters, resumes, interviews and explanatory writing); news writing (news stories, reviews, interviews, critiques and editorials); creative writing (poetry, short stories, personal narratives); and essay writing (persuasive research paper and literary analysis).
- **21<sup>st</sup> CENTURY JOURNALISTIC WRITING - .5 credit**  
**GRADES 10-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
21st Century Journalistic Writing will engage students in discussion of opinion vs. fact, interviewing skills, choosing an angle, ethics, law, and the history of journalism. Students will work with media skills of posting stories online, designing spreads with In-Design, editing digital photos, and videos/slideshows. The course will cover different news writing styles such as inverted pyramid, feature writing, investigative reporting, and opinion writing. Students will be encouraged to publish their work online or in print.

- HONORS COMPOSITION - .5 credits**  
**GRADE 12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

A college prep composition course that familiarizes students with college writing requirements and encourages them to develop writing techniques that work best for them. Emphasis is on developing a repertoire of writing structures and on improving individual writing skills. The goal is to give students fluency and familiarity with the types of writing they may encounter in college work. High standards of correctness and time management are expected and necessary. Students will share their writing with each other, primarily in the editing process.
- AP ENGLISH LITERATURE and COMPOSITION – 1.0 credits**  
**GRADE 11-12 YEAR LONG COURSE**  
**NO PREREQUISITES**

The AP English Literature and Composition class is intended to give you the experience of a typical introductory college literature course. This course, which counts as one semester of literature credit and one semester of composition credit, will engage you in the careful reading and critical analysis of American and British literature and prepare you to take the AP test. Through the close reading of these texts, you can deepen your understanding of the ways writers use language to create meaning. We will focus on structure, style, contemporary connections, historical relevance, and themes. We will focus both on reading and writing skills. Writing assignments will be frequent and varied in type, although the most common will be essay writing. The goal of all writing assignments is to increase your ability to explain clearly and cogently what you understand about literary works and how you interpret them. Our major literary works will include many if not all of the following: *The Canterbury Tales*, *Macbeth*, *Twelfth Night*, *The Awakening*, *The Adventures of Huckleberry Finn*, *The Scarlet Letter*, *Their Eyes Were Watching God*, and Tennessee Williams' plays.
- AFRICAN AMERICAN LITERATURE - .5 credit**  
**GRADES 10-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

In this course, students will read, analyze, and discuss literary works in various forms and media written by African Americans. We will study texts from a variety of time periods and locations in order to better understand the collective voices of African American writers, film makers, and artists. We will also use the works to examine what it means to be a person of color, and how the term African American struggles to encompass all people of color. Finally, we compare these works with the current climate of social justice. Students will be asked to speak, listen, read, and write in order to share their ideas.
- CONTEMPORARY LITERATURE - .5 credit**  
**GRADES 10-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course gives students the opportunity to read 20th century novels, plays, short stories, and poetry. The largest part of the literature is American. Class discussions and writing are paramount to success in the course. Writing is frequent and is done both in class and as take-home assignments. Individual reading in addition to shared class reading is expected and necessary.
- POPULAR LITERATURE - .5 credit**  
**GRADES 10-12 ONE SEMESTER COURSE**  
**PREREQUISITE: TEACHER APPROVAL**

This general English class allows students a chance to participate in and succeed in a literature course based on writings of high interest to high school-aged students. The reading will be individually chosen based primarily upon the student's own preferences, except for two books that will be read as a class. Writing will consist of both daily and weekly journaling as well as book reports.
- MYSTERY, SUSPENSE, AND DETECTIVE STORIES - .5 credit**  
**GRADES 10-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course is a study in the conventions of a mystery and its development as a genre of literature. Students will study short stories by early detective story authors such as Edgar Allen Poe and Arthur Conan Doyle. Students will continue with short stories and films from "The Golden Age" of detective stories and the

“hardboiled” school of writing. The true crime book Catch Me If You Can by Frank Abagnale and mystery novel Hold Tight by Harlan Coben are two of the popular books read.

- **FILM AS LITERATURE - .5 credit**

**GRADES 10-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

One definition of literature is “the stories in which we see ourselves reflected and find meaning in that reflection.” Film has become this literature for most Americans. This class will view, discuss, and write about films. Sometimes students will read the books which inspired the film and give speeches about them. Thus, the course will use a popular art form to practice writing, reading, and speaking while increasing awareness of film techniques and of the history and cultures the films recreate. Some adult themes are studied. Typical units include: History of Film-The Silent and the Oldies; Film Language and Style; Film Noir; Major Directors past and present; Morals of Society as portrayed through film; Science Fiction; Heroes; Academy Awards.

- **HONORS WORLD LITERATURE - .5 credit (2020-2021)**

**GRADES 11-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course will cover classic literature from a wide array of cultures, but focus primarily on the Western cultures. Much of the reading and subsequent literary analyses will be centered thematically around common human problems and experiences as portrayed in poetry, particularly drama, and some fiction. Students will also work with creation stories and mythology. The longer works will include some or all of the following: Gilgamesh, Camus’ The Stranger, Khafka’s Metamorphosis, and Tolstoy’s The Death of Ivan Ilyich. Essay writing will be practiced regularly. Students will be involved in a major research project of one well-known author of their choice during this course.

- **SPEECH - .5 credit**

**GRADES 10-12 ONE SEMESTER COURSE**  
**PREREQUISITE: COMPLETION OF ENGLISH 1**

This elective course will enhance students’ ability to effectively produce and participate in expository speaking. The course will introduce the basic modes of communication, characteristics of these modes, and common problems associated with communication. Major units will focus on building confidence and developing public speaking skills such as body language, eye contact, and tone of voice. Student will also analyze the distinct differences between written, oral, non-verbal, and electronic communication.

- **HONORS SPEECH AND DEBATE - .5 credit**

**GRADES 11-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This elective course will enhance students’ ability to effectively produce and participate in a variety of public speaking methods. The course will introduce the basic modes of communication, characteristics of these modes, and common problems associated with communication. Major units will focus on formal speaking, organization of ideas, research, argumentation, and the effective presentation of verbal and nonverbal communication. This course is designed for students who already possess a basic level of competence and confidence in public speaking and who are seeking additional speaking opportunities, including debate and contest style events. Participation in speech team is encouraged but not required.

- **INTERPERSONAL COMMUNICATION - .5 credit**

**GRADES 10-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course will serve as an introduction to the principles of effective communication. Students will learn to communicate more effectively and improve relationships through the study of the communication cycle, modes of communication (including written, verbal, nonverbal, and mass media), personal perception, gender differences, and conflict resolution. Students will analyze the different styles and uses of communication in business, social, formal, and informal situations. Students will also explore the benefits and liabilities (including ethical and legal issues) of social media. Students will reflect on personal communication strengths and style through a cumulative portfolio project. IPC meets the English department communication requirement.

- **DRAMATIC INTERPRETATION AND EXPRESSION - .5 credit**  
**GRADES 10-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course is a study of drama/plays from the Greek to contemporary theater. It is also a collaborative class where students create, perform in, and direct their own improvisational show for their peers in the high school. Students will learn about the role and contribution of each of the major participants in theater--the actor, the playwright, director, designer, and audience. The student will explore ways of bringing drama from the page to the stage, emphasizing equally the literary and theatrical qualities of play texts and individual expression. Students will be encouraged to read and experience plays from both an academic and theatrical point of view. Attendance at an outside professional theatrical performance during the semester is required. Curriculum will include: research topics in theater history; dramatic activities; creative writing activities such as scene writing, parody and satire; and the performance of a final monologue. (Previous experience in theatre activities is not required).

## **FAMILY & CONSUMER SCIENCE DEPARTMENT – (FCS)**

### **FAMILY & CONSUMER SCIENCE CAREER OPPORTUNITIES**

Advertising Analyst  
Appliance Sales  
Babysitter  
Caterer  
Chef  
Child Care Worker  
Cosmetologist  
Day Care Operator  
Department Store Manager  
Dietary Consultant  
Dietician  
Extension Service Specialist  
Fashion Designer  
Fashion Illustrator

Flight Attendant  
Food Sales  
Genetic Counselor  
Home Economist  
Home Service Director  
Homemaker  
Institution Superintendent  
Interior Decorator  
Interior Designer  
Milliner  
Nanny  
Nutritionist  
Occupational Therapist  
Parent

Physical Therapist  
Practical Nurse  
Preschool Teacher  
Psychiatric Social Worker  
Registered Nurse  
Reporter  
Restaurant Employee  
Restaurant Owner Manager  
Seamstress  
Social Service Worker  
Social Worker  
Vocational Teacher

### **HEALTH CAREER OPPORTUNITIES**

Aerobic Instructor  
Athletic Coach  
Athletic Trainer/Sports Medicine  
Bacteriologist  
Business Administration  
Chiropractor  
CPR Instructor  
Dental Assistant  
Dental Hygienist  
Dental Technician  
Dentist  
EMT

Laboratory Technician  
Lifeguard  
Nutrition Researcher  
Orthopedic Surgeon  
Osteopath  
Practice Nurse  
Professional Athlete  
Public Administration  
Public Health Educator  
Public Health Engineer  
Public Health Statistician  
Health Club Manager

Recreation Leader  
Sanitary Engineer  
School Nurse  
Social Worker  
Speech Health Pathologist  
Sports Writer or Editor  
Swimming Instructor  
Teacher  
Umpire  
Veterinarian  
Virologist  
X-Ray Technician

# Available Classes

- **CHILD DEVELOPMENT - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course is a study of human development as it affects the family and individual child. Pregnancy and birth will be covered along with wearing the empathy belly during class while experiencing everyday activities. Teen pregnancy will be covered along with prevention. We will cover care of an infant through age 12 focusing on emotional, social, physical and mental development. Crisis topics including death, divorce, illness, child abuse, birth defects, and disabilities will be dealt with from a child's and parent's point of view. Also "Baby Think It Over" will be taken home for one night minimum unless other arrangements are made for an alternative assignment.

- **INTERIOR DESIGN - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course provides an opportunity to acquire and apply skills in decorating and designing a home. Emphasis is placed on elements and principles of design along with color schemes. Other topics include background decorations—floors, wall and window treatments; furniture selection and styling; furniture arrangements; and creative use of accessories. Learning experiences will include various classroom projects, a repurpose project, viewing housing and looking at landscapes. Scaled floor plans for individual rooms and a house will be drawn and evaluated, considering clearance space and traffic flow. Ecofriendly, new design trends, historical houses and business design will also be talked about.

- **FOODS AND NUTRITION I - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course is designed for those students with little or no previous experience in food preparation. A basic study of nutrition is included in this course. It also provides an opportunity to learn and apply basic skills and principals involved in planning, preparing, and serving simple nutritious meals. A variety of foods are prepared including quick breads, yeast breads, soups, vegetables, casseroles, beef, pork, poultry, pies, cakes, modified recipes, cookies, fruits, and candies. The final project is a group meal where each cooking group makes a meal and sits down to eat it with proper table setting and manners.

- **MENU PLANNING AND NUTRITION - .5 credit dual credit with KCC**  
**GRADES 10-12 ONE SEMESTER COURSE**  
**PREREQUISITE: FOODS AND NUTRITION I**

This course is designed to further the knowledge and skills acquired in Foods I. The first quarter is focused on nutrition focusing on nutrients, digestion, USDA dietary guidelines, diet analysis and different types of diets. The second quarter is focused on creating and planning a menu. Class experiences include: menu analysis, menu planning, creating different types of menus, and food budgeting, Weekly food labs will be incorporated into the curriculum. Students will have a choice between pre-selected recipes for Nutrition and create their own recipes during Menu Planning.

- **SEWING 1 - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This is an individualized class for the student who is interested in any aspect of sewing. First, students learn basic sewing skills and continue to learn sewing techniques as they sew various projects. Students will take a field trip to a fabric store where they will pick out their first project supplies and purchase them themselves. The first project is a sewing project from a pattern or instructions. Students will also remake an existing

clothing piece into a new sewing idea. We will sew a community service project for a local organization and sew for a holiday or season. There will be teacher posted projects and student picked projects in the class. A student who knows how to knit, crochet, or cross stitch may do this as a project for the class. Students can buy their own supplies or use donated items available within the classroom.

- **SEWING 2 - .5 credit**  
**GRADES 9-12                      ONE SEMESTER COURSE**  
**PREREQUISITES: SEWING 1**

This course is designed to further your experience in sewing. Each student will work on individual projects following a class project calendar. Various projects include a teacher given starter project to brush up on sewing skills, instruction or pattern project, clothing project, project of choice, mini sewing projects, holiday/seasonal project, re-structure project, community service project and a final project.

- **ADULT LIVING - .5 credit**  
**GRADES 9-12                      ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This class prepares students for everyday life and helps them prepare for living on their own. Course content includes: self-esteem, stereotypes, relationships, teen pregnancy, STD's, dating, marriage, family meals, meals on a budget, babies, kids, fun kid snacks, party planning, budgeting, laundry, mending, nutrition and many other topics related to everyday living. Students are encouraged to suggest their own topics of interest.

# INDUSTRIAL TECHNOLOGY DEPARTMENT

## INDUSTRIAL TECHNOLOGY CAREER OPPORTUNITIES

Aircraft Mechanic  
 Architectural Drafting  
 Auto Mechanic  
 Auto-body and Fender Repair  
 C.A.D. Drafter  
 Cabinet Maker  
 Cable Television Installer  
 Cable Television Line Tech  
 Carpenter  
 Computer Repair Technician  
 Diesel Mechanic  
 Electrical Drafting  
 Electrician  
 Electrician Helper  
 Electronics Engineer  
 Engineer Aide  
 Equipment Rental Manager  
 Farm Equipment Mechanic  
 Farmer

Forest Manager  
 Forester  
 Foundry Worker  
 Furniture Maker  
 Gunsmith  
 Hardware Store Worker  
 House Design/Building Contractor  
 Industrial Manufacturing Engineer  
 Industrial Technology Teacher  
 Interior Designer  
 Jewelry Maker  
 Job Training Counselor  
 Log Grader  
 Log Sawyer  
 Logger  
 Lumber Broker  
 Lumber Grader  
 Lumber Yard Worker  
 Machinist

Mechanic Maintenance  
 Mechanical Drafting  
 Mechan Drawing Instructor  
 Mechanical Engineer  
 Model Builder  
 Paint Store Manager  
 Plant Operator  
 Plumber  
 Power Plant Mechanic  
 Service Station Attendance  
 Sheet Metal Worker  
 Stained Glass Maker  
 Tool Designer  
 Toy Maker  
 Welder  
 Wood Pattern maker  
 Wood Turner

# Available Classes

- **PLTW: INTRO TO ENGINEERING DESIGN – 1.0 credit / dual credit with KCC (2019-2020)**  
**GRADES 9-12                      YEAR-LONG COURSE**  
**PREREQUISITES: ALGEBRA 1 OR CURRENTLY ENROLLED IN ALGEBRA 1**  
This course introduces students to a variety of careers in engineering and technology. Students will study technology systems and manufacturing processes. Students will experience how engineers and technicians use math, science, and technology within an engineering problem-solving process. Students will use state-of-art design software to apply learned skills to real world engineering and manufacturing problems. Note: Students should bring a 1.5" three ring binder for class.
- **PLTW: PRINCIPLES OF ENGINEERING – 1.0 credit / dual credit with KCC (2020-2021)**  
**GRADES 9-12                      YEAR-LONG COURSE**  
**PREREQUISITES: ALGEBRA 1**  
Students explore the wide variety of careers in engineering and technology. They explore various technology systems and processes. Using activities, projects, and problems, students learn first-hand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences of technological change.
- **PLTW: CIVIL ENGINEERING AND ARCHITECTURE – 1.0 credit / dual with KCC (2019-2020)**  
**GRADES 9-12                      YEAR-LONG COURSE**  
**NO PREREQUISITES**  
In this class students will study the design and construction of residential and commercial building projects. The course includes an introduction to many of the varied factors involved in building design and construction including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. Civil Engineering and Architecture is a high school level course that is appropriate for 10th or 11th grade students interested in careers related to civil engineering and architecture. Other than their concurrent enrollment in college preparatory mathematics and science courses, this course assumes no previous knowledge.
- **ARCHITECTURAL PLANS AND SPECIFICATIONS – 0.5 credit / dual credit with KCC (2020-2021)**  
**GRADES 9-12                      ONE SEMESTER COURSE**  
**NO PREREQUISITES – Fundamentals of Drafting recommended**  
This course introduces the skills and methods for understanding and interpreting construction drawings and technical specifications for residential and commercial buildings. Students will use construction blueprints, both in hand and online, to display a working knowledge of this form of graphic communication.
- **COMPUTER AIDED DRAFTING - .5 credit (2020-2021)**  
**GRADES 9-12                      ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
Students in this class will develop knowledge and skills to communicate graphically with engineers, architects, CNC operators, machinists, builders, and other production workers. Emphasis will be placed on drafting vocabulary and processes. Coursework will include class discussion and lessons from written sources, but will focus on production of workable CAD drawings for a variety of production applications. Instruction and projects will progress from simple drawings to complex 3D modeling and architectural drawings using Autodesk CAD, Autodesk Inventor, and Autodesk Revit. By the end of this class students should be able to produce drawings detailed and accurate enough to guide actual production.

- **INTRODUCTION TO INDUSTRIAL TECHNOLOGY - .5 credit**  
**GRADES 9-12                    ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This survey course allows students to sample architecture and construction, manufacturing, STEM, and power and energy career cluster areas. Classroom discussion, workshop demonstrations, and hands-on activities will be completed that cover all course areas offered.

- **EXPLORING INDUSTRIAL TECH – 0.5 credit**  
**GRADES 9-12    *GIRLS ONLY*    ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This class will introduce female students to a wide range of ideas and skills that exist as part of the skilled trades. This introduction will focus on practical knowledge and skills that we believe all students, young men and young women alike, should have as well-informed citizens preparing to live on their own. This course will focus on hands-on lab work and experiences and the planning needed to carry them out. We believe the young women who take this course will have a new-found confidence in their ability to understand and accomplish tasks they once knew little about. Examples of potential topics follows, but this class is not limited to those listed:

- \*Changing the oil in your car.
- \*Changing a bad light switch.
- \*How to change a sink fixture.
- \*How to build small projects from wood.
- \*How to design a new kitchen or bathroom.
- \*Changing your car tire.
- \*How to change a light fixture
- \*How to set a toilet.
- \*How to repair metal by welding.
- \*How to hire a contractor.

- **POWER TECHNOLOGY - .5 credit**  
**GRADES 9-12                    ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course is an introduction in small engine repair. Areas covered will include: occupations, safety, tools, engine identification and inspection, basic engine principles and design, basic electricity, ignition systems, lubrication systems, cooling systems, fuel systems, governor systems, troubleshooting, principles of operation of the four cycle engine, and principles of operation of the two-cycle engine.

- **AUTO MECHANICS - .5 credit**  
**GRADES 9-12                    ONE SEMESTER COURSE**  
**NO PREREQUISITES**

The auto mechanics course is a study of the different systems of the automobile. Areas covered will be safety, tools, lubrication system, cooling system, fuel system, electrical system, ignition, computerized fuel and ignition systems, transmission, brake system, and careers in auto mechanics. Activities will consist of individual assignments using the equipment in the auto mechanics area.

- **ELECTRICITY AND PLUMBING - .5 credit**  
**GRADES 9-12                    ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course studies the fundamentals of electrical circuits and plumbing systems. Areas covered will include the principles of electricity, using meters, basic electronic circuits, A.C. circuit design, and plumbing.

- **MATERIALS PROCESSING - .5 credit**  
**GRADES 9-12                    ONE SEMESTER COURSE**  
**NO PREREQUISITES**

This course is designed to teach skills necessary for basic woodworking and carpentry applications. Specific and safe use of a wide variety of power equipment is stressed through demonstration and testing. Students will also learn basic skills in proper material use, joinery, process planning, estimating, and finishing. Coursework includes academic and classroom work, but is focused on producing good projects in the lab.

Students will benefit from being self-motivated, paying attention to detail, and having a desire to produce quality products. It is possible that students will be planning personal project(s) that they will take home with them. There is a fee equal to the cost of such projects, unless exception has been obtained from instructor or administration.

- **ADVANCED MATERIALS PROCESSING - .5 credit**

**GRADES 9-12 ONE SEMESTER COURSE (repeatable one time with instructor permission)**

**PREREQUISITES: MATERIALS PROCESSING or WOOD FAB**

An extension of Materials Processing, this course focuses on woodworking and carpentry skills at the next level. Specific and safe use of already introduced power equipment is reviewed and more specialized equipment is introduced. Coursework can include classroom work including discussions and testing, but is centered on planning and executing the building of a quality project(s). The expectation is that the projects of students in this class will involve the same areas of emphasis with higher level skills and more detailed planning than in the introductory class. All students will benefit from being self-motivated, paying attention to detail, and having a desire to produce quality products. It is expected that students will be planning personal project(s) that they will take home with them. There is a fee equal to the cost of such projects, unless exception has been obtained from instructor or administration.

- **CONSTRUCTION TECHNOLOGIES – 0.5 credit**

**GRADES 10-12 ONE SEMESTER COURSE (repeatable one time with instructor permission)**

**PREREQUISITES: MATERIALS PROCESSING AND ADVANCED MATERIALS PROCESSING**

Students will work to develop core residential construction skills. Safe operation of relevant hand and stationary power equipment is covered. Current residential construction materials, methods, and terminology are covered in classroom work and discussion, hands-on lab activities, and the building of small structures. This class focuses on general knowledge in a broad range of building systems and the coordination requirements between those systems. All students are expected to be self-motivated, pay attention to detail, and have a desire to produce quality products.

- **FLEXIBLE MANUFACTURING - .5 credit**

**GRADES 9-12 ONE SEMESTER COURSE (repeatable one time with instructor permission)**

**NO PREREQUISITES**

Flexible Manufacturing provides the knowledge, skills, and technologies required for employment in metal technology systems. Students need to develop knowledge of the concepts and skills related to this system in order to apply them to personal and career development. Career and technical education supports integration of academic and technical knowledge and skills. Students must have opportunities to reinforce, apply, and transfer knowledge and skills to a variety of settings and problems. Knowledge about career opportunities, requirements, and expectations and the development of workplace skills prepare students for success.

- **CONSTRUCTION LAB – 0.5 credit / dual credit with KCC**

**\*\*Must be taken at Kirkwood Regional Center in Hiawatha**

**GRADES 11-12 ONE SEMESTER COURSE**

**PREREQUISITES: MATERIALS PROCESSING, ADV. MATERIALS PROCESSING, AND CONSTRUCTION TECHNOLOGIES**

Students will apply prior knowledge of construction practices to hands-on modules and real-world projects. Projects will allow students to display skills that can be used for post-secondary employment or further education opportunities. Student will be expected to provide basic tools and safety glasses.

# MATHEMATICS DEPARTMENT

## MATHEMATICS CAREER OPPORTUNITIES

Accountant	Commercial Pilot	Insurance Salesperson
Actuary	Computer Animator	Landscape Designer
Aircraft Mechanic	Computer Programmer	Machinist
Architect	Construction Manager	Mathematics Teacher
Auto Mechanic	Dental Technician	Mobile Application Developer
Bank Cashier	Dentist	Navigation
Banker	Economist	Optician
Bookkeeper	Electrician	Optometrist
Broadcasting Tech	Electronic Technician	Photographer
Cardiovascular Tech	Engineer	Plumber
Carpenter	Forester	Registered Nurse
Chemist	HVAC Technician	Teacher
Surveyor	Statistician	Video Game Designer

## Available Classes

*Entering 9<sup>th</sup> grade students MUST have a recommendation from the middle school Mathematics instructor to take Algebra Prep, Algebra, or Geometry.*

- **ALGEBRA PREPARATION – 1.0 credit**  
**GRADES 9-11                      YEAR LONG COURSE**  
**PREREQUISITE: TEACHER RECOMMENDATION**  
This course provides students with an introduction to the concepts of algebra and at the same time solidifies their grasp of arithmetic concepts and procedures. Students will learn to think flexibly about relationships among fractions, decimals, percents and proportions. Students will also learn to recognize and generate equivalent expressions, solve single-variable equations and inequalities and strengthen their understanding of linear functions. The course is designed to prepare students for algebra and geometry.
- **ALGEBRA 1 – 1.0 credit**  
**GRADES 9-12                      YEAR LONG COURSE**  
**PREREQUISITES: ALGEBRA PREP and Teacher Recommendation**  
The content is organized around families of functions, with emphasis on linear, exponential and quadratic functions. Students will continue to practice and refine the algebraic skills of simplifying and solving algebraic expressions and equations. Students will learn how to represent functions both symbolically and graphically and use these functions to model and solve real life problems. It is intended for the capable mathematics student who has successfully mastered the mathematical skills learned in middle school.
- **GEOMETRY – 1.0 credit**  
**GRADES 9-12                      YEAR LONG COURSE**  
**PREREQUISITE: ALGEBRA 1 and Teacher Recommendation**  
Students will develop reasoning and problem solving skills as they study topics such as congruence and similarity, and apply properties of lines, triangles, quadrilaterals, and circles. Transformational and coordinate approaches to geometry are introduced. This course is recommended for college-bound students or those considering such trades as carpentry, surveying, construction, etc.

- APPLIED MATHEMATICS – 1.0 credit**  
**GRADES 11-12            YEAR LONG COURSE**  
**PREREQUISITES: TWO FULL YEARS OF HS MATH COMPLETION and Teacher Recommendation**  
Applied Mathematics is designed to help students develop and refine job and real-world related math skills. Topics include different trades, job and work professions (carpentry, sales, mechanical work, plumbing, etc.), automobiles and transportation, and personal finance topics that include investing, housing and taxes, banking and credit. Emphasis is on the ability to apply functional mathematics to solve problems in real world scenarios and everyday life.
- ALGEBRA 2 – 1.0 credit**  
**GRADES 11-12            YEAR LONG COURSE**  
**PREREQUISITES: ALGEBRA 1 and GEOMETRY**  
This course is a continuation of the study of algebraic concepts introduced in Algebra 1 and is designed to follow Geometry in our course sequence. The topics covered are similar to those covered in Honors Algebra 2 but at a slower pace. This course is designed to assist students in fulfilling a four-year mathematics requirement for a four-year college.
- HONORS ALGEBRA 2 – 1.0 credit**  
**GRADES 9-12            YEAR LONG COURSE**  
**PREREQUISITES: ALGEBRA 1 and GEOMETRY (with Teacher Recommendation)**  
This course is designed to follow Geometry in our mathematics curricular sequence. It is faster paced and more rigorous than Algebra 2 and is meant for the strong mathematics student. The first part of the course deals mainly with transforming different types of functions, solving equations and using those functions to model real-life situations. The latter part of the course covers special topics, such as sequences and series, probability, data analysis and statistics. This course is a required prerequisite for students continuing on to our Honors Pre-Calculus and Trigonometry course.
- COLLEGE PREP MATHEMATICS – .5 credit**  
**GRADES 11-12            ONE SEMESTER COURSE**  
**PREREQUISITES: ALGEBRA 2 or HONORS ALGEBRA 2**  
This course is designed for the college-bound upperclassman who wants to continue in their study of challenging topics in mathematics. Topics covered will include trigonometry as well as a survey of topics in algebra and geometry.
- COLLEGE STATISTICS - .5 CREDIT / dual credit with KCC**  
**GRADES 11-12            ONE SEMESTER COURSE**  
**PREREQUISITES: ALEKS score of 30-45% OR a minimum ACT MATH score of 19**  
This course focuses on the following Statistics topics: descriptive statistics, correlation and linear regression, inferential statistics and probability distributions as applied to confidence intervals, hypothesis testing, and applications to business and other fields. This course is designed for the college bound student and is designed to offer challenge.
- HONORS PRE-CALCULUS and TRIGONOMETRY – 1.0 credit**  
**GRADES 9-12    YEAR LONG COURSE**  
**PREREQUISITES: ALGEBRA 1, GEOMETRY, and HONORS ALGEBRA 2 (a minimum grade of B in Honors Algebra 2 is highly recommended)**  
This course is designed for students interested in the sciences, engineering, mathematics, business, or other college related careers with a strong mathematical emphasis. Areas of study include polynomial functions, logarithmic and exponential functions, graphing, trigonometric identities and equations, vectors, complex numbers, sequences and series, and problem solving. Emphasis will be on real-world application of mathematical concepts. Second semester is dedicated primarily to studying trigonometry.

- **AP CALCULUS – 1.0 credit**

**GRADE 11-12 YEAR LONG COURSE**

**PREREQUISITES: HONORS PRE-CALCULUS and TRIGONOMETRY**

The curriculum in this course follows a College Board-approved AP Calculus syllabus, and is designed to cover the same material as a college semester-long Calculus I course. At the end of this course, all students will be encouraged to take the AP Calculus AB examination with the potential to earn college credit at many colleges and universities.

## MUSIC DEPARTMENT

### MUSIC CAREER OPPORTUNITIES

<ul style="list-style-type: none"> <li>Actor</li> <li>Actress</li> <li>Arranger of Music</li> <li>Choir Director</li> <li>Choreographer</li> <li>Chorus Dancer/Singer</li> <li>Clergy</li> <li>Comedian</li> <li>Composer</li> <li>Concert Singer</li> <li>Conductor</li> </ul>	<ul style="list-style-type: none"> <li>Dancer</li> <li>Dramatic Reader</li> <li>Impersonator</li> <li>Manager Sales</li> <li>Musician</li> <li>Music Critic</li> <li>Music Librarian</li> <li>Music Supervisor</li> <li>Musical Director</li> <li>Musical Entertainer</li> <li>Occupational Therapist</li> </ul>	<ul style="list-style-type: none"> <li>Orchestra Leader</li> <li>Orchestrator</li> <li>Organist and Pianist</li> <li>Piano Tuner/Technician</li> <li>Popular Singer</li> <li>Radio or TV Director</li> <li>Recreational Therapist</li> <li>Religious Ed Director</li> <li>Sales Clerk</li> <li>Teacher</li> </ul>
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## Available Classes

- **BAND - 0.5 credit/semester**

**GRADES 9-12 YEAR LONG COURSE**

**NO PREREQUISITES**

Emphasis will be on giving students' knowledge through experience in a variety of styles of instrumental music. This class includes Marching Band in the fall and Concert Band for the rest of the school year. Marching Band presents seven (7) or more public performances including home football games, a parade, and two or three competitions. Concert Band presents four (4) or more public performances including concerts and contests. Opportunities are available to participate in other instrumental activities such as Jazz Band or Pep Band as well as contest solos and small ensembles. Students receive group instruction during Band and have an individual or small group lesson.

- **EARLY BIRD MARCHING BAND - 0.125 credit (2-3 days/week) (1<sup>st</sup> QUARTER)**

**GRADES 9-12**

**NO PREREQUISITES**

Students signed up for BAND will automatically be registered for the early bird portion of band. Early Bird Marching Band is a required part of the band class (see above). Students will be given credit for both Early Bird Marching Band and for the standard Band class.

- **CONCERT CHOIR 0.5 credit/semester**  
**BY AUDITION YEAR-LONG COURSE**  
**NO PREREQUISITES**

All students 10 – 12 have the opportunity to audition into Concert Choir. (9th grade by select audition only) This is an advanced ensemble focusing on the All-State literature, a cappella singing, and advanced music theory. The purpose of Concert Choir is to expose students to a variety of quality choral literature of an advanced nature from all time periods while maintaining a tradition of excellence with an emphasis on singing independence. Foreign languages are common. Advanced music theory and compositional techniques are also explored. Students are required to attend and perform in one concert per quarter, plus State Large Group Contest and Pops Show. Students are encouraged to take a solo to contest and participate in State solo/ensemble contest but will not be required to do so. Additional vocal experiences available include: chamber choir, carolers, jazz choirs, honor choirs, anthem singers and the spring musical.

- **TREBLE CLEF CHOIR 0.5 credit/semester**  
**BY AUDITION YEAR-LONG COURSE**  
**NO PREREQUISITES**

Treble singers in grades 10 – 12 have the opportunity to audition for Treble Clef Choir. (9th grade by select audition only) The purpose of Treble Clef Choir is to develop a deeper understanding of proper breathing technique, vowel formation, posture, and music theory while improving vocal control and developing independence. Students are exposed to a variety of quality choral literature while exploring various styles. Foreign languages are explored but not a focus. Basic elements of music theory will also be explored. Students are encouraged to grow individually, while understanding the importance of individual commitment to excellence in building a quality ensemble. Students are required to attend and perform in one concert per quarter, plus State Large Group Contest and Pops Show. Students are encouraged to sing solos and encouraged to participate in small group contest in at least one ensemble. Additional vocal experiences available include: anthem singers, carolers, jazz choirs, and the spring musical.

- **MIXED CHOIR 0.5 credit/semester**  
**GRADES 9-10 YEAR-LONG COURSE**  
**NO PREREQUISITES**

All 9th grade students will participate in Mixed Choir for a year of technical and musical development and growth. (Unless notified otherwise by the director) 10th – 12th grade students will also be enrolled in Mixed Choir when more musical growth is needed for the more advanced ensembles. The purpose of Mixed Choir is to develop a basic understanding of proper breathing technique, vowel formation, posture, and music theory while gaining control of the singing voice. Students will be exposed to a variety of quality choral literature. Basic elements of music theory will also be explored. Students are encouraged to grow individually while understanding the importance of individual commitment to excellence in building a quality ensemble. Students are required to attend and perform in one concert per quarter, plus State Large Group Contest and Pops Show. Students are encouraged to participate in State solo/ensemble contest but will not be required to do so. Additional opportunities include jazz choir and the spring musical.

- **ORCHESTRA 0.5 credit/semester (students taking band AND orchestra will receive 1.0 credit per semester)**  
**GRADES 9-12 YEAR-LONG COURSE**  
**PREREQUISITES: Prior participation in orchestra or audition for instructor**

This course is open to all string players interested in playing orchestral literature and chamber music. Orchestra presents five or more public performances during the year, including concerts and contests. Members from this group can also choose to participate in honor orchestras, solo/ensemble contest, and musical pit orchestra. Students receive group instruction during Orchestra class and have an individual or small group lesson.

# PHYSICAL EDUCATION/HEALTH DEPARTMENT

## PHYSICAL EDUCATION/HEALTH CAREER OPPORTUNITIES

Bacteriologist	Orthopedic Surgeon	Sanitary Engineer
Business Administration	Osteopath	Social Worker
Chiropractor	Physical Therapist	Speech Health-Pathologist
Dental Hygienist	Practical Nurse	Sports Writer or Editor
Dental Assistant	Professional Athlete	Swimming Instructor
Dentist	Public Administrator	Teacher
Dental Technician	Public Health- Engineer	Umpire
Fitness Training Spec.	Public Health-Educator	Virologist
Exercise Science	Public Health-Statistician	
Laboratory Technician	Recreation Leader	X-Ray Technician
Lifeguard		
Model		

## Available Classes

Physical Education is a state and school district requirement for all students each school year. This PE requirement may be waived by the high school principal for the following reasons:

1. Physical disability waiver – physician’s written approval is required.
2. Religious waiver – parental written request is required.

*Students who qualify for the waivers listed above must still complete the minimum credits required for a MVHS diploma. Courses that are waived DO NOT earn credit.*

- **MUSTANG STRENGTH and SPEED PHYSICAL EDUCATION - .5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE (repeatable course, can take both semesters)**  
**\*\*Mustang Strength & Speed PE will also be offered as an Early Bird option, every other day all year**  
**NO PREREQUISITES**

This course is designed for athletic strength and fitness training as it is the hope that all athletes (and any student interested in strength training) will take this course to get their strength training during the school day, thus saving practice time for coaches. The emphasis of this course is on injury prevention, increased durability, strength, power, speed, agility, body composition, mobility, and flexibility. Weight room safety, warm-up procedures, cool-down procedures, lifting technique, major muscle identification, and individual goal setting are all important components of this course.

**\*\*For EB Mustang Strength & Speed PE, enrollment priority will be given as follows:**

1. underclassmen with year-long elective courses
2. seniors
3. juniors
4. sophomores
5. freshmen

- **LIFETIME FITNESS - .5 credit**

**GRADES 9-12 ONE SEMESTER COURSE**

**\*\*Lifetime Fitness will also be offered as an Early Bird option, every other day all year**

**NO PREREQUISITES**

Students will be taught and instructed in lifetime activities that they will be able to do in their lifetime as an adult. Students will learn fundamentals of each game and be able to practice their skills during class. Games that will potentially be taught include Badminton, Basketball, Bowling, Fitness, Golf, Kickball, Pickleball, Softball, Tennis, Volleyball, Whiffle-ball, etc. Fitness testing and training will be every other day during the units of the course.

**\*\*For EB Lifetime Fitness, enrollment priority will be given as follows:**

1. underclassmen with year-long elective courses
2. seniors
3. juniors
4. sophomores
5. freshmen

- **HEALTH PURSUITS - .5 credit**

**GRADES 10-12 ONE SEMESTER COURSE**

**PREREQUISITE: FRESHMAN HEALTH**

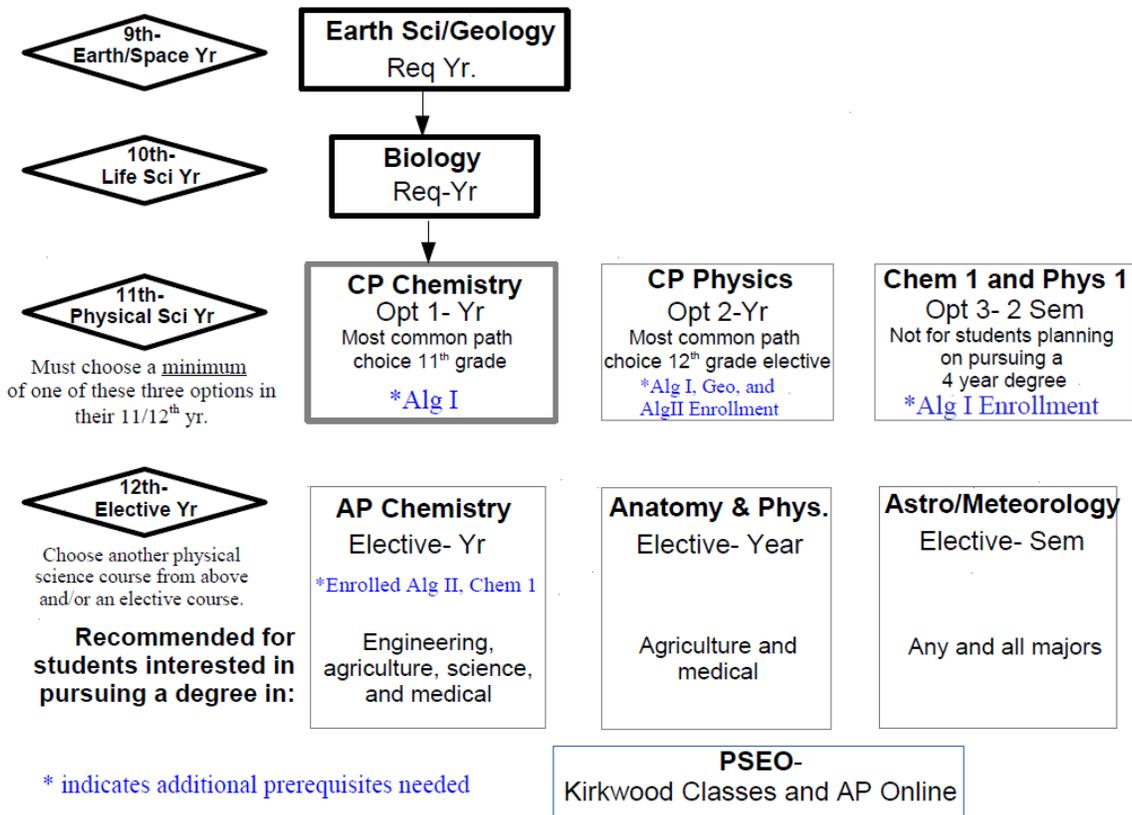
This course is intended for students that have an interest in learning about many aspects of health and wellness. Some components of the course include: general health and wellness, positive psychology, nutrition, exercise physiology, and strength & conditioning. Some activities that will supplement coursework include: team building, hiking, Frisbee golf, and more.

## SCIENCE DEPARTMENT

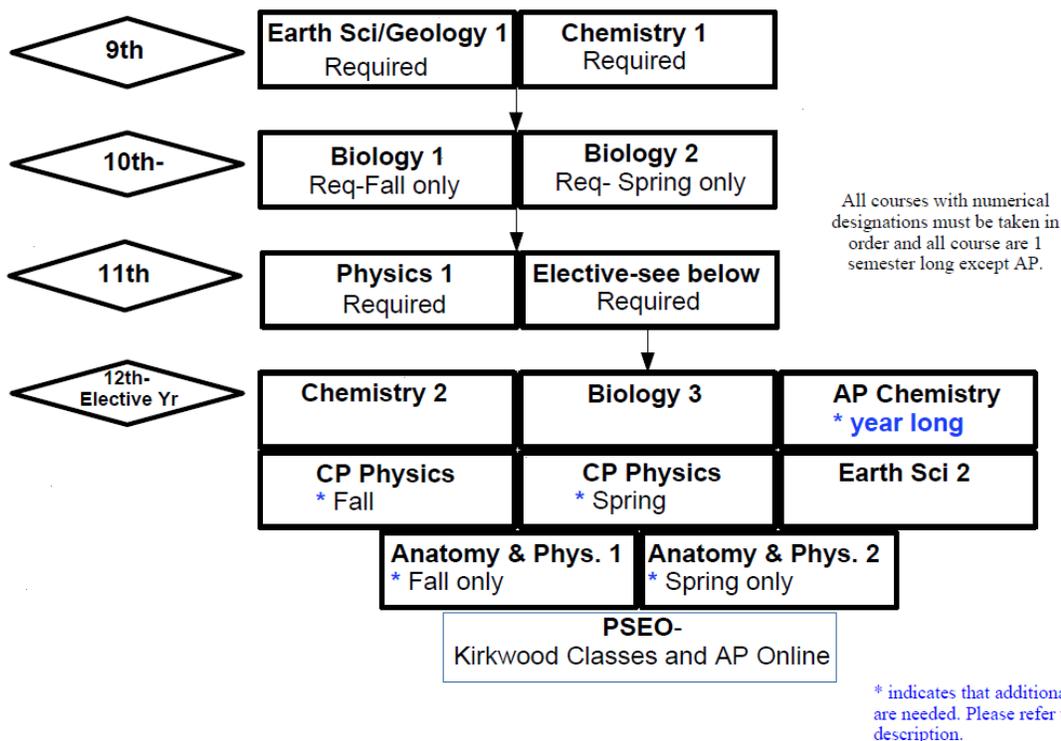
### SCIENCE CAREER OPPORTUNITIES

- |                           |                           |                        |
|---------------------------|---------------------------|------------------------|
| Annealer Welder           | Electrolysis Plater       | Nursery Operator       |
| Anthropologist            | Entomologist              | Nutritionist           |
| Artist                    | Environmental Scientist   | Occupational Therapist |
| Assayer                   | Exterminator              | Pharmacist             |
| Bacteriologist            | Farmer or Rancher         | Physical Therapist     |
| Biochemist                | Family/Consumer Scientist | Physician/Surgeon      |
| Biologist                 | Fish/Wildlife Service     | Photographer           |
| Botanist                  | Forest Ranger             | Practical Nurse        |
| Ceramic Engineer          | Game Warden               | Research Chemist       |
| Curator                   | Gardener                  | Registered Nurse       |
| Chemical Engineer         | Geologist                 | Research Nutritionist  |
| Chem. Processing Plastics | Herpetologist             | Science Teacher        |
| Dentist                   | Horticulturalist          | Taxidermist            |
| Dental Hygienist          | Immunologist              | Veterinarian           |
| Detective                 | Landscape Architect       | X-ray Technician       |
| Dietician                 | Laboratory Technician     | Zoologist              |
| Ecologist                 | Medical Secretary         |                        |
|                           | Metallurgist              |                        |

## Science Curriculum Guide Class of 2020-2022



## Science Curriculum Guide beginning with class of 2023



# Available Classes

## THE FOLLOWING COURSES LISTED BELOW ARE REQUIRED OF ALL STUDENTS:

- **EARTH SCIENCE – 0.5 credit**  
**GRADE 9 ONE SEMESTER COURSE (required)**  
**NO PREREQUISITES**  
*Course will be evaluated using Evidence Based Reporting guidelines.*  
Earth Science/Geology is designed to provide the student with a basic understanding of his/her home planet. It is a science that deals with the Earth, its structure, changing processes, history and the processes that occur on the surface. Special emphasis will be placed on studying Iowa's unique geological features and how they impact the entire planet.
- **CHEMISTRY 1 – 0.5 credit**  
**GRADES 9-12 ONE SEMESTER COURSE (required beginning with Class of 2023)**  
**NO PREREQUISITES**  
*Course will be evaluated using Evidence Based Reporting guidelines.*  
Course topics included will be: elements and the universe, types of materials, and chemical reactions. Chemistry principles will be developed using models, lab investigations, and mathematical concepts.
- **BIOLOGY – 1.0 credit**  
**GRADE 10 YEAR-LONG COURSE (required)**  
**PREREQUISITE: Earth Science**  
*Course will be evaluated using Evidence Based Reporting guidelines.*  
Course topics included will be: Chemistry of life, Cells, Genetics, Evolution, Human body, and Ecology. Biological principles are developed through laboratory experiences, model building, and argumentation using methods of observation and scientific inquiry.
- **PHYSICS 1 – 0.5 credit**  
**GRADES 11-12 ONE SEMESTER COURSE (required beginning with the Class of 2023)**  
**PREREQUISITES: Earth Science, Biology**  
*Course will be evaluated using Evidence Based Reporting guidelines.*  
Course topics included will be: motion and forces, energy and its uses, waves and their applications. Physics principles will be developed through laboratory experiences, hands on manipulation, modeling, some mathematical concepts, and data analysis. This course is designed for students not pursuing a four year degree and will be conceptually based not mathematically based learning.

## THE FOLLOWING COURSES ARE SCIENCE ELECTIVES:

- **CHEMISTRY (College Prep) – 1.0 credit**  
**GRADES 11-12 YEAR-LONG COURSE**  
**PREREQUISITES: Algebra I, Biology**  
*Course will be evaluated using Evidence Based Reporting guidelines.*  
This course is designed for students interested in attending a four year college. Students should have a working knowledge of algebra and be able to solve for unknowns in given equations. Topics of study include atomic structure, periodic trends, chemical compounds, chemical reactions, the concept of the mole, energy and reaction rate, and nuclear reactions. Students will be required to apply concepts in a laboratory setting and write formal lab procedures and analysis.
- **AP CHEMISTRY – 1.0 credit**  
**GRADES 10-12 YEAR-LONG COURSE**  
**PREREQUISITES: Chemistry 1 semester, enrolled in Algebra 2**  
*Course will be evaluated using Evidence Based Reporting guidelines.*

AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. College credit is dependent upon the AP exam and your college's acceptance of the exam score.

- PHYSICS (College Prep) – 1.0 credit**  
**GRADES 11-12 YEAR-LONG COURSE**  
**PREREQUISITES: Earth Science, Biology, Algebra 1, Geometry, and COMPLETION OF OR ENROLLMENT IN ALGEBRA 2 (completion recommended)**  
*Course will be evaluated using Evidence Based Reporting guidelines.*  
 Physics is an in depth, one year program. Our approach will be a combination of lab based learning with conceptual and mathematical calculations. There is a heavy emphasis on the mathematics and ideas in Physics. We will focus on how mathematical calculations can give insight into the physical phenomenon. Topics will include motion, forces, gravitation, energy, machines, and possibly heat, waves, and light.
- ANATOMY & PHYSIOLOGY – 1.0 credit**  
**GRADES 11-12 YEAR-LONG COURSE**  
**PREREQUISITE: Biology**  
 This course provides students with the fundamental concepts in anatomy and physiology. We will study the structure of the human body. This course is designed to help meet the individual needs of students to prepare for higher education and to study in an area of biological interest or health related profession.
- ASTRONOMY / METEOROLOGY - .5 credit**  
**GRADES 11-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
*Course will be evaluated using Evidence Based Reporting guidelines.*  
 This course is split into two quarters; the first quarter will cover astronomy concepts. Astronomy is the study of the objects in space, including stars, planets, comets, and their origins. This course is designed to provide the students with an understanding of these topics; the history of space travel will also be investigated. The second quarter will discuss Meteorology concepts; students will develop an understanding of the unique conditions that take place daily to create the variety of diverse weather conditions experienced in the Midwest and other parts of the world.

## SOCIAL SCIENCE DEPARTMENT

### SOCIAL SCIENCE CAREER OPPORTUNITIES

Archaeologist	Foreign Service	Newspaper Editor/Pub
Archivist	Foreign Travel Escort Officer	Newspaper Reporter
Attorney	Geographer	Publishing
Behavior Researcher	Geologist	Radio News Reporter
Census Taker	Governor	Reference Librarian
Clergyperson	Historian	Research Director
Community Manager	Historic Site Administer	Social Worker
Conservation Officer	Historical Novelist	State Legislator
Conserv./Historical Papers	International Ed and Development	Stock Broker
Cultural Anthropologist	Internat.Exchange Program Director	Survey Interviewer
Economist	Judge	Teacher
Environmental Planner	Literary Writer	U.S. Senator/Rep
Export Manager	Missionary	Urban Planner
Foreign Correspondent	Museum Exhibits Director	Wire News Editor

# Available Classes

THE COURSES LISTED BELOW ARE REQUIRED OF ALL STUDENTS:

- **UNITED STATES HISTORY – 1.0 credit**  
**GRADE 9 YEAR LONG COURSE**  
**NO PREREQUISITES**  
U.S. History will promote both historical content and historical thinking skills to prepare students for a strong foundation in significant historical context in U.S. History. In addition, the student will be equipped with the skills necessary to apply historical thinking to any historical context.
- **OR HONORS U.S. HISTORY – 1.0 credit**  
**GRADE 9 YEAR LONG COURSE**  
**\*\* TEACHER RECOMMENDATION REQUIRED**  
Honors U.S. History is taught in a thematic approach, utilizing primarily document-based lessons. The course will inspire intellectual curiosity, deep engagement with the past and open questions that relate our past to our present. This class will replace the U.S. History requirement for graduation. **\*\* Instructor recommendation from the 8th-grade staff is required.**
- **WORLD HISTORY – 1.0 credit**  
**GRADE 10 YEAR LONG COURSE**  
**NO PREREQUISITES**  
World History will promote an emphasis on both historical content and historical thinking skills in the historical context of World History. In addition, the students will be equipped with the skills necessary to apply historical thinking to any historical context. The course will emphasize major historical transformations and historical processes which have shaped the interrelated global experience.
- **AP WORLD HISTORY - 1.0 credit**  
**GRADES 10-12 YEAR LONG COURSE**  
***Instructor Approval Needed***  
**PREREQUISITE: HONORS US HISTORY**  
In the AP World History course students will learn to analyze and interpret historical facts and evidence in order to achieve an understanding of major developments in World History. The course is divided into six historical periods and encompasses five major geographic regions of the globe. *This is a college level course. Students are encouraged to take the AP Exam in the spring to attempt to earn college credit.*
- **BEHAVIORAL SCIENCES - PSYCHOLOGY and SOCIOLOGY**  
**GRADE 11; grade 10 with permission, grade 12 as an elective is permissible**  
**ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
**\*\* Graduation requirement beginning with the class of 2022**  
Students are required to select one behavioral science strand, **either Psychology or Sociology**, recommended during their junior year, but required for graduation. The courses will encourage students to see, think, and act in ways that reflect behavioral science. Psychology is the study of the individual mind. Sociology is the study of social structures and how they affect our lives. Students are required to take one behavioral science course, but are welcome to take both, and encouraged to do so if they are wanting to pursue a career in behavioral sciences or a related field.
- **POLITICAL SCIENCE - .5 credit**  
**GRADE 12 ONE SEMESTER COURSE**

## **NO PREREQUISITES**

**\*\* Political Science may be offered Early Bird, every other day all year, if requests indicate a need.**

Political Science promotes knowledge of the historical foundations and principles of American democracy and emphasizes productive civic engagement. Additionally, the course focuses on understanding the unique processes of local, state and national institutions.

## **THE FOLLOWING COURSES ARE SOCIAL SCIENCE ELECTIVES:**

- **WOMEN IN U.S. HISTORY - .5 credit**  
**GRADES 11-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
Women in U.S. History will promote both historical content and historical thinking skills to prepare students for a strong foundation in the significant historical impacts, changing roles, and achievements of women in U.S. History. In addition, the student will be equipped with the skills necessary to apply historical thinking to any historical context. Students will look closely at how women's historical experiences challenge our understanding of American History.
- **CRIMINAL JUSTICE- .5 CREDITS**  
**GRADES 11-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
Criminal Justice will utilize social science and law in understanding the phenomena of crime and justice and how the two relate. The goal is for students to see, think, and act in ways similar to a professional in related fields.
- **INTERNATIONAL RELATIONS - .5 credit**  
**GRADES 11-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
International Relations will promote historical content and historical thinking skills in order to allow students to gain a clear understanding of the main theories of international relations and their applications to contemporary world issues.
- **SPORTS IN AMERICAN SOCIETY - .5 credit**  
**GRADES 11-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**  
Sports in American Society will promote both historical content and historical thinking skills related to the influence that sports have had on American society and culture. The behavioral science perspectives of sport will also be examined.

## **LEARNING SKILLS PROGRAM**

- **DIRECTED STUDIES - 1.0 credit**  
**GRADES 9-12 YEAR LONG COURSE**  
**PREREQUISITES: PLACEMENT BY STUDENT STUDY TEAM**  
This course provides students with structured study time within a small group setting. Students will work on skills such as communication, writing, reading, and study skill development. IEP goals and objectives are worked on

during this class. Generally, students in the Learning Skills Program will be enrolled in at least one period daily in a Directed Studies class.

- **WORK EXPERIENCE – 0.5 credit**

**GRADES 11-12 ONE SEMESTER COURSE**

**PREREQUISITES: PLACEMENT BY STUDENT STUDY TEAM**

This course is designed for students with work experience considerations in their IEP. Work Experience provides students with the opportunity to volunteer at either school-based or off-site business locations. These positions give students the opportunity to experience a variety of work sites prior to making career/college decisions. Students who have successful work experiences can gain valuable job-related skills, obtain positive references for future job opportunities, list the work experiences on their resume, and/or be hired as an employee with the business. Requirements for Work Experience include that the participant is on track to graduate, has a 90% attendance rate in the semester prior to participation, and has working as a goal area or service on the IEP.

## VOCATIONAL COURSES

- **ELEMENTARY AIDE - .5 credit**

**GRADES 10-12 ONE SEMESTER COURSE**

**PREREQUISITES: Completion of contract; willingness / ability to work directly with elementary students**

An elementary aide will assist in a Washington Elementary classroom working in cooperation with and under the supervision of the regular classroom teacher. The aide will have a chance to experience the many responsibilities and tasks that are part of a teacher's every-day activities. Daily attendance is required. Grading is Pass or Fail and is based on daily attendance, teacher evaluation, and the completion of a final paper. Actual classroom placement will be assigned by Washington Elementary based on the needs of the staff. *A student may take the Elementary Aide course a maximum of two semesters while in high school.*

- **WORK STUDY - .5 credit**

**GRADES 11-12 ONE SEMESTER COURSE**

**PREREQUISITES: COMPLETION OF APPLICATION**

This is a vocational program designed for juniors and seniors. During the work portion of the curriculum, students will keep a log of hours worked. Regular attendance at the job site is required. Transportation to the job site is the student's responsibility. Grading will be based on a pass/fail basis. An evaluation form completed by your work supervisor and the completion of a final paper at the end of the semester is required for successful completion of this course.

## WORLD LANGUAGE DEPARTMENT

Anthropologist  
Composer  
Customs Examiner  
Diplomat  
Dramatic Coach  
Essayist or Author  
Export Clerk  
FBI Agent  
Flight Attendant  
Foreign Corresp Services

Foreign News Interpret/Translator  
Historian  
Immigration Inspector  
Information Clerk  
Lawyer  
Librarian  
Medical Assistant  
Messenger  
Missionary  
Musician

Receptionist  
Salesperson  
Social Group Worker  
Stage Performer  
Stenographer  
Teacher  
Travel Agent  
Travel Guide  
Tutor

## Available Classes

- **GERMAN 1 – 1.0 credit**  
**GRADES 9-11 YEAR LONG COURSE**  
**NO PREREQUISITES**  
Students will develop basic skills for communicating in German: listening, reading, writing and speaking skills will be emphasized. The focus will be on vocabulary acquisition and practice of German expressions. Students may use songs, pictures, videos, games, role playing, and memorizing expressions to develop that focus. During the course, students will learn and demonstrate speaking survival skills in simulated social situations. Learning about the culture of German speaking countries will be introduced and integrated as a part of learning the German language. A grade of C- or better must be earned in order to proceed to the next semester of German. There may be special consideration given upon instructor approval.
- **GERMAN 2 – 1.0 credit**  
**GRADES 10-12 YEAR LONG COURSE**  
**PREREQUISITE: GERMAN 1**  
The language skills and cultural knowledge acquired in German I will be expanded in order that students will be able to cope with a greater depth and diversity in classroom and social situations in German. In addition to continuing the activities experienced in German I, students will be doing more reading and short writing assignments. A grade of C- or better must be earned in order to proceed to the next semester of German. There may be special consideration given upon instructor approval.
- **GERMAN 3 – 1.0 credit**  
**GRADES 11-12 YEAR LONG COURSE**  
**PREREQUISITE: GERMAN 2**  
In German III, students will increase their reading and writing skills, while continuing to improve their speaking and listening skills. An increased emphasis will be placed on grammar. Students will reenter previously acquired skills and expand them in novel ways. Linguistically, they will be learning to respond to situations which move beyond memorized dialogues and phrases. A grade of C- or better must be earned in order to proceed to the next semester of German. There may be special consideration given upon instructor approval.
- **HONORS GERMAN 4 – 1.0 credit**  
**GRADE 12 YEAR LONG COURSE**  
**PREREQUISITE: GERMAN 3**  
German IV is the culmination of the four-year sequence. Students will devote more time to reading and writing. They will study advanced grammatical structures and expand their vocabulary. Modern German literature and poetry, art and architecture, history, films and radio dramas will be some of the areas the students will explore. Students will increase their ability to function in German in social situations by learning methods of circumlocution. They will also practice test-taking in preparation for college entrance exams. A grade of C- or better must be earned in order to proceed to the next semester of German. There may be special consideration given upon instructor approval. If there is sufficient enrollment, the AP curriculum for German 4 will be taught.
- **SPANISH 1 – 1.0 credit**  
**GRADES 9-11 YEAR LONG COURSE**  
**NO PREREQUISITES**  
The Spanish language is studied by developing the student's listening, speaking, reading, and writing skills. The student is introduced to basic vocabulary and grammar structures of the language; thus enabling the student to speak and write about themselves and others. Class activities stress finding meaningful and practical applications of Spanish in their lives. Students will study cultural diversity and work on developing a non-judgmental approach to cultures other than their own. Each student is expected to attend cultural events outside of class. Grades will be based on four main standards: presentational communication (speaking and writing), interpersonal communication, interpretive skills (listening comprehension and reading comprehension), and

culture. A grade of C- or better must be earned in order to proceed to the next semester of Spanish. There may be special consideration given upon instructor approval.

- **SPANISH 2 – 1.0 credit**  
**GRADES 10-12 YEAR LONG COURSE**  
**PREREQUISITE: SPANISH 1**

In Spanish 2 students continue to develop their skills in listening and reading with understanding, and speaking and writing with intention and meaning. Emphasis is placed on acquiring a range of vocabulary useful in everyday conversation, and more complex grammar structures that enable meaningful written and spoken communication. Students are expected to speak Spanish in class every day. Daily interactive exercises increase skills in interpersonal communication while projects develop presentational writing and speaking skills. Culture is integrated throughout the course with current events, readings and video in order to heighten the students' awareness of issues facing Spanish speaking populations. Students are also expected to attend cultural events or investigate cultural topics outside of class. Grades will be based on four main standards: presentational communication (speaking and writing), interpersonal communication, interpretive skills (listening comprehension and reading comprehension), and culture. A grade of C- or better must be earned in order to proceed to the next semester of Spanish. There may be special consideration given upon instructor approval.

- **SPANISH 3 – 1.0 credit**  
**GRADES 11-12 YEAR LONG COURSE**  
**PREREQUISITE: SPANISH 2**

Emphasis is placed on broadening the student's listening, reading, writing, and speaking skills. Grades will be based on four main standards: presentational communication (speaking and writing), interpersonal communication, interpretive skills (listening comprehension and reading comprehension), and culture. Grammar and culture is discussed through various means of comprehensible input including reading authentic materials, viewing authentic film, and the instructor will speak in Spanish for a minimum of 90% of the class time. Students are expected to use the Spanish language every day in class as well. A grade of C- or better must be earned in order to proceed to the next semester of Spanish. There may be special consideration given upon instructor approval.

- **HONORS SPANISH 4 – 1.0 credit**  
**GRADE 12 YEAR LONG COURSE**  
**PREREQUISITE: SPANISH 3**

The emphasis of Honors Spanish 4 is quality practice and fine-tuning of student listening, speaking, reading and writing skills. Grades will be based on four main standards: presentational communication (speaking and writing), interpersonal communication, interpretive skills (listening comprehension and reading comprehension), and culture. Students are expected to speak Spanish almost exclusively in class every day through activities, discussions and regular oral presentations. Written work is emphasized through a variety of projects requiring reading and analysis of authentic materials, creativity in individual and group work, group problem-solving, and expressing opinions. Students study advanced grammar while exploring Hispanic literature and history. Students are expected to be involved in a self-elected and designed service-learning project. A grade of C- or better must be earned in order to proceed to the next semester of Spanish. There may be special consideration given upon instructor approval.

## **ADDITIONAL ELECTIVE COURSES**

- **PUBLICATION/ DESIGN (YEARBOOK) – 1.0 credit**  
**GRADES 9-12 YEAR LONG COURSE**  
**NO PREREQUISITES**
- ***ALL YEARBOOK EDITORS MUST ENROLL IN THIS COURSE***

This class is for dedicated, responsible students who pay attention to details. Its focus is on real-life skills of computer design, news writing, advertising, budgeting, and meeting deadlines. Students will learn to use

current technology, taking pictures with a digital camera and using InDesign computer layout software to design yearbook pages. Yearbook staff (i.e. editor-in-chief, sports editor, photographer, student life reporter) must enroll in this class. Students who enroll in this course must dedicate themselves to the full year of study and must be able to be trusted with valuable equipment and important files.

- **C.A.R.E. SEMINAR – 0.5 credit**  
**GRADES 11-12 ONE SEMESTER COURSE**  
**NO PREREQUISITES**

Connect. Absorb. Respond. Empower. In this project based learning class, you will learn how to have conversations with people of varying beliefs, research and analyze the history and literature surrounding historical and contemporary struggles and conflicts, build relationships with and hear and share stories of people on the front lines, and create events that address injustices in your school, community, country, and world. Coursework will include guest speakers, service learning projects, and field trips with a focus on civil discourse, event planning and organizing, and social response. Course content will be highly driven by student interest. Get ready for a class unlike anything you've seen. You will learn to use your voice and your privilege to create change. Move from being a compassionate learner to a compassionate leader as you take time to C.A.R.E.

## ADDITIONAL LEARNING OPPORTUNITY

- **IOWA BIG - .5 credit for each class per semester**  
**GRADES 11-12 YEAR LONG COURSE(S)**  
**NO PREREQUISITES**

Iowa BIG provides an opportunity for MVHS students, in conjunction with the Cedar Rapids School District, to earn high school core academic and/or elective credit in a project-based, community-integrated program. Students choose to take elective or select core academic courses in a project-based environment and tap into their own passions and interests to take on community, business, or student-pitched projects. Students will learn rigorous content and 21st century skills through projects that have real audiences and expectations. Students will work directly with community and business mentors and coaches as well as staff to build a strong resume of experiences and expertise. *Students interested in this program should contact the counseling office for more information and be aware of timelines and deadlines for signing up.*

*The Mount Vernon Community School District will not discriminate on the basis of race, color, age, national origin, sex, sexual orientation, gender identity, marital status (for programs), socioeconomic status (for programs), disability, religion, and creed. Students, parents, employees and others doing business with or performing services with the district who feel that they have experienced discrimination are encouraged to contact Matt Thede, Equity Coordinator, Mount Vernon Community High School, 731 Palisades Road SW, Mount Vernon, IA 52314, telephone: [319-895-8843](tel:319-895-8843) x4005, where our district has a grievance procedure for processing complaints of discrimination. Inquiries may also be directed in writing to the Director of Civil Rights – Region VII, US Department of Education, 310 W. Wisconsin Ave., Suite 800, Milwaukee, Wisconsin 53203-2292 (phone: 414-291-1111) or to the Iowa Department of Education; Grimes State Office Building; Des Moines, Iowa, 50319-0146 (phone: 515-281-5294).*