



# Panthers

**2018-19**

**Registration Handbook**

**Monticello High School**



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Students, parents, employees, and others doing business with or performing services for the Monticello Community School District are hereby notified that this school district does not discriminate on the basis of race, color, age, national origin, religion, sex, sexual orientation, disability, creed, marital status, gender identity, socio-economic status, physical attributes, physical or mental ability, ancestry, political party preference, political belief, familial status, and genetic information in admission or access to, or treatment in, its programs, activities, and employment practices. There is a grievance procedure for processing complaints of discrimination. If you have questions or a grievance related to this policy, please contact the District's Equity Coordinator, Brent Meier at 217 South Maple Street, Monticello, Iowa, 319-465-5963, [brent.meier@monticello.k12.ia.us](mailto:brent.meier@monticello.k12.ia.us).

Any person having inquiries concerning the school district's compliance with state and federal laws and regulations concerning discrimination is directed to contact:

Superintendent of Schools  
711 South Maple Street, Monticello, Iowa 52310  
(319) 465-5963

This individual has been designated by the school district to coordinate the school district's efforts to comply with all state and federal laws and regulations concerning discrimination.

Approved: 5/23/16

Reviewed:

Revised:

Dear Students and Parents:

This booklet is prepared to guide you in selecting courses for the 2018-19 school year. We hope that both parents and students will study this booklet carefully and make informed course choices for next year.

Students and their parents are to read and study this registration handbook. You need to review the various course offerings in each department, graduation requirements, and the requirements for each grade level.

Students and parents are then asked to **complete and sign the “Pupil Course Request”**. This form is to be returned to the Office by **January 30, 2018**. (8th grade sheets are due **February 1, 2018** to Mrs. Larson.)

When this step is completed we will begin building the master schedule based on student requests. We hope to minimize course conflicts; but we wish to emphasize that this can never be accomplished completely and some students may be asked to change course requests. We will, however, do our best to minimize this alternative.

In August, students and parents will pick up their final schedule during registration week.

All students should be aware of the following items:

1. If you plan to go to college, consult the college preparatory standards sheet in this handbook.
2. Take time to consider all the alternatives before you register so that confusion for you and the school can be held to a minimum.
3. Consider which courses hold the most interest for you and which courses will benefit you most in your long-range plans.
4. Talk these plans over at home. See your counselor. Get all the information you can as to post-high school possibilities.
5. Ask yourself how these particular courses will meet the requirements for admission to the college, vocational-tech school or career you plan after graduation.
6. Be certain you are meeting the Monticello graduation requirements! Remember, it is your responsibility to see that you have the courses necessary to graduate.

Sincerely,

Mrs. Joan Young  
Principal

## **REQUIRED CREDITS FOR GRADUATION**

### **Credits**

#### **ENGLISH**

8

Four years of English are required, including English I and English II or Advanced English I/ II, English III, two or four semesters of English electives (AP English, English IV, KCC Composition, or Western World Lit).

#### **SCIENCE**

6

Three years of science are required. Beginning with the class of 2019, Science 9 is required of all 9<sup>th</sup> grade students, Biology for 10<sup>th</sup> grade, and Chemistry for all 11<sup>th</sup> graders.

#### **MATHEMATICS**

6

Three years of Mathematics are required. Beginning with the class of 2020, Algebra I, Geometry, and Algebra II are required. Computer courses do not fulfill the Math requirement.

#### **SOCIAL STUDIES**

6

The required courses include World History (10 – 12<sup>th</sup> grade), US History (9 – 12<sup>th</sup> grade), Economics (11<sup>th</sup> or 12<sup>th</sup> grade), and American Government (12<sup>th</sup> grade).

#### **PHYSICAL ED. & HEALTH**

5

Five credits of PE are required – Health 1 and Health 2 in 9<sup>th</sup> grade and 1 credit each year. If you opt out or waiver a semester, you must document 120 minutes of physical activity (10 – 12<sup>th</sup> grade)

#### **ELECTIVES**

23

### **Total Credits**

**54**

Seniors must be on track with graduation requirements in order to get an “OPEN” block. This means the student must have 48 credits, including 4 credits of PE, 6 credits of math, 6 credits of science, 6 credits of English, 2 credits of US History and 2 credits of World History.

## **GRADING**

The grading system and its numerical equivalents are as follows:

A	4.00	C	2.00
A-	3.67	C-	1.67
B+	3.33	D+	1.33
B	3.00	D	1.00
B-	2.67	D-	0.67
C+	2.33	F	0.00

Mid-term grade reports are distributed to parents approximately one week after the mid-point of each term. Final grade reports are distributed to parents about one week after each term ends.

## **COURSE LOAD REQUIREMENTS**

Students in grades 9, 10 and 11 must have classes which include or equate to 8 blocks. Seniors who are on track with graduation requirements are eligible for 1 open block per semester and must be enrolled in 7 blocks of classes or the equivalent of 7 blocks. These are the minimum requirements to be enrolled as a student at Monticello High School. Listed below are sample schedules.

### **FRESHMEN**

#### COURSE NAME

1. English I or Advanced English I and II
2. Science 9
3. Algebra 1/Geometry
4. Art 2 - Dimensional
5. Foods I
6. Symphonic Band
7. Health & Wellness I
8. Agriculture Science I

#### COURSE NAME

1. English I or Advanced English I & II
2. Science 9
3. Geometry
4. Spanish 1
5. Mixed Choir
6. Art 3 - Dimensional
7. Physical Education
8. Manufacturing

### **SOPHOMORES**

#### COURSE NAME

1. US History
2. English II or English III
3. Physical Education
4. Biology
5. Geometry
6. Symphonic Band
7. Keyboarding/Document Formatting
8. Concert Choir

#### COURSE NAME

1. US History
2. English II or English III
3. Physical Education
4. Spanish 2
5. Art 2 - Dimensional
6. Accounting
7. Manufacturing II
8. Algebra II

### **JUNIORS**

#### COURSE NAME

1. World History
2. English III or Comp/WW Lit
3. Algebra II
4. Symphonic Band/Chamber Choir
5. Chemistry
6. Physical Education
7. Spanish 3
8. Advanced Manufacturing I

#### COURSE NAME

1. World History
2. English III or Comp/WW Lit
3. Geometry
4. Chamber Choir/Symphonic Band
5. Pottery
6. Pre-Calculus
7. Physical Education
8. Accounting II

### **SENIORS**

#### COURSE NAME

1. Government
2. Psychology
3. Physics
4. Pre-Calculus
5. Physical Education
6. KCC Academy
7. Greenhouse
8. OJT, English IV or AP English

#### COURSE NAME

1. Symphonic Band
2. Chamber Choir
3. Real Life Skills
4. AP Calculus
5. Pottery
6. Economics
7. Work Experience
8. English IV or AP English

## **COLLEGE PREPARATORY STANDARDS**

The course of study of a high school student planning to attend a four year college or university sometimes varies with the student's intended college and college major. Generally speaking, there is a general high school curriculum that a four year college bound student should pursue. Those planning to enter a four year college may be guided by the following standard in completing their preparatory academic work:

- A. English - Since the ability to write clearly and to read with understanding and appreciation are essential to success in college, it is highly desirable that the student complete four units in English, with a strong emphasis on writing, composition, speech and literature.
- B. Mathematics - Mathematics has much to offer not only as a tool to further learning but as a means of providing basic education. Three years of study including Algebra 1, Algebra 2 and Geometry should be the minimum for those planning to attend college. Students planning to specialize in the sciences or in engineering should complete four units or more in mathematics in high school.
- C. Social Studies - Social studies such as history, government, economics and sociology are basic to the understanding and solution of contemporary problems in the community, in the nation and in the world. From three to four units may well be devoted to this area by the prospective university student.
- D. Science - The field is rich in possibilities for understanding the modern world. A minimum of three units in science from Physical Science, Biology, Chemistry and Physics is recommended. For those who plan to emphasize science or engineering, four units would be strongly suggested.
- E. Foreign Language - The prospective university student should develop a basic reading or speaking knowledge of a foreign language, classical or modern. For most students this would suggest a minimum of two years of study; three or four would be preferable.
- F. Art and Music - This field offers opportunity for development in an important area of general education which can contribute much toward individual growth.
- G. Other Subjects - Agriculture, business, family & consumer sciences, industrial technology, speech, etc., when properly studied, contribute materially to the educational growth of the individual and as preparation for continued study as well as for the more general activities of living. The prospective university student with an interest in further study in a field related to one of these subjects should find one or two years of high school work in it to be particularly valuable.
- H. Students planning to attend a state university (I.S.U., U.N.I., or U. of I.) are reminded that in addition to having the prescribed curriculum that their grades must also place them in the upper 1/2 of their class. Generally this means approximately a "B" average.

## **EARLY GRADUATION PROCEDURE**

**PURPOSE:** The early graduation procedure will allow high school students to pursue their post high school plans at an earlier time than the normal four year graduation time.

**PROCEDURE:** A student is expected to apply to the high school principal prior to the beginning of classes in the semester which the student plans to graduate. Students must have a plan for early graduation which meets all of the requirements for graduation from Monticello High School except the physical education requirements for the semester(s) which the student graduates early. Students who graduate early may participate in the regular spring commencement exercises.

## **SCHEDULE DROPS AND CHANGES**

Monticello High School is interested in providing the finest education possible to its students. We encourage you to talk with your parents, counselor and teachers concerning your course selections. As a result, you will be required to remain in the classes you select. The following policies on schedule drops and changes will be followed for all students.

- A. After the first week of classes for the semester, unless the teacher, counselor and principal feel the student was misplaced, students may not withdraw from a course.
- B. Students who withdraw from classes due to extended illness, injury, or some other unusual circumstances considered acceptable by the principal may do so without a failing grade.

## ART

### **Art 2-Dimensional (Course #101)**

**Semester / Grades 9-12 / 1 Credit**

Art Fundamentals - 2 Dimensional is a foundation course emphasizing drawing and two dimensional materials. Students will use Discovering Art History textbook. 2 Dimensional and 3 Dimensional art are not sequential and may be taken in any order.

### **Art 3-Dimensional (Course #102)**

**Semester / Grades 9-12 / 1 Credit**

Art Fundamentals - 3 Dimensional is a foundation course emphasizing sculpture and design. Students will use Discovering Art History textbook. 3 Dimensional and 2 Dimensional art are not sequential and may be taken in any order.

### **Advanced Art: Portfolio Development (Course #109)**

**Semester /Grade 12 / 1 Credit**

**Prerequisite** - Instructor approval is required.

Advanced Art: Portfolio Development is a course for the serious art student. Students will choose an area of concentration and develop an art portfolio suitable for college admissions and art scholarship applications.

### **Painting (Course #105)**

**Semester / Grades 9-12 / 1 Credit**

A foundation course in painting that will include watercolor, and acrylic. The text Discovering Art History will be used.

### **Pottery (Course #106)**

**Semester / Grades 9-12 / 1 Credit**

This course is an introduction to hand-built and wheel-thrown pottery, its form and function. It is a study of clays, glaze mixes, kiln firing, design techniques and other related techniques.

### **Graphics (Course #117)**

**Semester / Grades 9-12 / 1 Credit**

This course focuses on design concepts, digital photography, and the meaning and alteration of images. We will use traditional art materials, digital cameras, scanners, and software to create design portfolios.

### **Layout & Design (Course #113)**

**Semester/Grades 9-12 / 1 Credit**

Students will learn to design and produce layouts for inclusion in the school yearbook. Students will also be responsible for obtaining photographs and learning to place them in the layouts using on-line computer graphic programs. Students design and create a real-world product, the MHS yearbook.

## MUSIC

### **Concert Band (Course #164)**

**All Year / Grades 9-12 / 2 Credits**

The first two months are devoted to Marching Band and appearing at football games and civic functions. All 9th, 10th, 11<sup>th</sup>, and 12th graders will participate in this ensemble. We also compete at the state level with the marching band in early October. Pep band during basketball season is formed as an extension of the marching band and is a required activity.

The Concert Band program is structured around several performances, contests, and festivals. The music for these performances is of the highest quality and selected with the student's education in mind. We have three main concerts per year, The Holiday Concert, The Spring Concert, and Band Round-Up. The student is required to take a 20 minute lesson each 6-day cycle. Opportunities are presented for gifted and interested students to perform solos, conduct, and play in small groups and jazz ensembles. Concert Band is a full year course and no drops will be allowed after 1<sup>st</sup> semester due to each semester's curriculum being dependent upon one another.

### **Mixed Chorus (Course #172)**

**All Year / Grade 9 / 2 Credits**

Freshmen participating in Mixed Chorus are given a heavy concentration of the fundamentals of singing: breathing, vowel production, and good diction as well as some written music theory. Students will experience a wide variety of choral literature including classical, spirituals, gospel, folk, foreign language, and popular music. Each member will be required to attend assigned voice lessons each semester and performs in one concert per quarter: Fall, Winter, Spring, and the Dessert Concert. Members may audition for Forte Singers and participate in contests and festival choirs, including OPUS and Solo and Ensemble Contest.

### **Concert Choir (Course #177)**

**All Year / Grade 10 / 2 Credits**

Sophomores participating in Concert Choir are given a heavy concentration of the fundamentals of singing: breathing, vowel production, and good diction as well as some written music theory. Students will experience a wide variety of choral literature including classical, spirituals, gospel, folk, foreign language, and popular music. Each member will be required to



attend assigned voice lessons each semester and performs in one concert per quarter: Fall, Winter, Spring, and the Dessert Concert. Members may audition for Forte Singers and participate in contests and festival choirs, including All-State and Solo and Ensemble Contest.

### **Chamber Choir (Course #184)**

**All Year / Grades 11-12 / 2 Credits**

Juniors and Seniors participating in Chamber Choir are given a heavy concentration of the fundamentals of singing: breathing, vowel production, and good diction as well as some written music theory. Students will experience a wide variety of choral literature including classical, spirituals, gospel, folk, foreign language, and popular music. Each member will be required to attend assigned voice lessons each semester and performs in one concert per quarter: Fall, Winter, Spring, and the Dessert Concert. Members may audition for Forte Singers and participate in contests and festival choirs, including All-State and Solo and Ensemble Contest. The Monticello Chamber Choir travels out of state every other year to perform.

### **Music Theory 1-4 (Course #MU190)**

**Semester / Grade 10-12 / 1 Credit**

Music Theory is a college preparatory course that extends the musical knowledge and vocabulary of the music student. A prerequisite to participating in this course is at least 3 years in either Choir or Band, middle school years included, and current enrollment in one of those courses. In Music Theory, students will engage in deep analysis of the written musical language and structure, and develop an understanding of how music works, eventually composing their own piece for the ensemble of their choosing, based on what they've learned. Students can take this course each semester for a total of 4 semesters, advancing to a new level of curriculum each semester in the course. This course will be particularly beneficial to any student considering a career in the music industry or music education.

## **AGRICULTURE**

The Agricultural Sciences prepare students to enter the world's largest industry. Although farmers represent less than 2% of the nation's population, 25% of the American workforce is involved in some aspect of agribusiness. By enrolling in agriculture science you will have the opportunity to explore and prepare for challenging careers in such areas as Natural Resource Conservation, Horticulture, Plant Science, Greenhouse Management, and Agriculture Business through classroom experience and extensive use of the department's greenhouse and area resources. It is recommended that students in classes designated Ag I - Ag IV be members of FFA. **Agricultural classes are not gender specific; both boys and girls from all ethnic and cultural backgrounds are encouraged to build Agricultural classes into their schedule.**

All students are encouraged to participate in the FFA, which is a national organization for students enrolled in the Agricultural Sciences. The primary purpose of the FFA is to develop student leadership abilities. The Monticello FFA has various field trips and contests throughout the year allowing students to travel the entire Midwest.

Seniors interested in gaining occupational experience will have the opportunity to enroll in OJT for a minimum of 180 hours. Prerequisite is two years of agricultural education and instructor approval.

Classes with (Ag III & Ag IV) in parenthesis designate the sequence for students taking four years of agriculture education. All MHS students are welcome to enroll in these classes although Ag I and II are helpful in understanding the basic agriculture terminology and concepts.

### **Agriscience I (Course #212)**

**All Year / Grades 9-10 / 2 Credits**

Agriscience I is an introductory course designed to help develop student interest and provide an overview of agricultural opportunities. This class will give students insight into agricultural technology and future careers as well as enhance leadership, decision making, and organizational skills. Hands-on experience will be gained through use of the department's greenhouse, farm plot, and outdoor labs. General topics to be covered include FFA, animal science, crop science, agribusiness management, and Supervised Agricultural Experience (SAE)

### **Agriscience II (Course #214)**

**All Year / Grades 10-11 / 2 Credits**

#### **Prerequisite: Agriscience I**

Agriscience II will focus on Marketing, Entrepreneurship, and Animal Science. Hands on experiences will be gained through the development of marketing and business plans, commodity trading competitions, and livestock judging contests. FFA and SAE will also be incorporated into the curriculum with numerous career development events that correlate to the curriculum.

### **Agricultural Sales and Service (Ag III) (Course #225)**

**Fall Semester / Grades 11-12 / 1 Credit**

#### **Prerequisite: Agriscience I & II**

Agricultural Sales and Service is designed to allow students experience in the world of agribusiness. Students will work on projects individually and as a group to create sales presentations and other sales. Students will study the manufacturing

cycle of agricultural products, customer expectations, product feature comparison, and risk and benefit analysis.

**Plant Science (Ag III) (Course #234)**

**Spring Semester / Grades 10-12 / 1 Credit**

**Prerequisite: Agriscience I**

Plant Science covers many aspects of crop science in the Midwest. Students will use the department's greenhouse for first hand experience in this class. Topics covered include plant growth, development, production, and management for corn, soybeans, alfalfa, and others. Agricultural technology will also be included through activities studying herbicide and pest resistant plants. Plant Science and Agricultural Sales and Service comprise the Ag III curriculum. (FFA participation and SAE record books are recommended as part of class activities.) (This course can count for a general science credit.)

**Ag Business Management (Ag IV) (Course #233)**

**Fall Semester / Grades 11-12 / 1 Credit**

Ag Business Management is designed to allow students the opportunity to make decisions that will impact a farming enterprise. Student activities will include using computers and the outdoor lab for experience. Students will use the Farm Data Network to check prices and make marketing decisions as well as many activities provided by the National FFA. Topics will include farm business decision making, marketing, production, as well as business and risk management. (FFA participation and SAE record books are recommended as part of class activities.) This course articulates to Kirkwood.

**Ag Leadership (Ag IV) (Course #228)**

**Spring Semester / Grades 11-12 / 1 Credit**

**Prerequisite: Agriscience I & II**

Ag Leadership will allow students to develop and explore decision making, teamwork, and organizational skills which will benefit them throughout their life. Students will work in teams as they study group decision making, cooperation, and organizational skills. Students will also learn how to identify leadership tendencies, different personalities, and practice parliamentary procedure.

**Greenhouse Production (Course #241)**

**Spring Semester / Grades 9-12 / 1 Credit**

Greenhouse Production is designed to develop student interest in the areas of horticulture, landscaping, and greenhouse production and management. Emphasis will be placed on production and care of plants used in and around homes, gardens, and landscapes. Students will use the department's greenhouse for lab and hands on experience. A majority of time is spent in the greenhouse. This course articulates to Kirkwood.

**Small Engine Repair (Course #227)**

**Semester / Grades 9-12 / 1 Credit**

This course covers the basic operating principles, maintenance and repair of four-stroke cycle engines. Students will disassemble an engine using general and specialized measuring and testing instruments and tools. Emphasis will be placed on the operation, service and safety of using small engines on agricultural equipment. Students who are interested in Auto Tech are encouraged to take this class.

**Agriculture SAE/OJT (Course #247)**

**All Year / Grades 12 / 1-2 Credits**

**Prerequisite: 2 years of agricultural education and instructor approval**

Ag OJT allows students to explore employment situations and receive hands on training in a career of their choice. Also, students will have the opportunity to develop and utilize job seeking skills including letters of application and resumes. Students must have 90 hours of work experience during the semester. Seniors who have maintained a Supervised Agricultural Experience program for their entire high school career and currently are conducting an SAE may enroll as well.

**Horticulture (Course # 239)**

**Fall Semester / Grades 9-12 / 1 Credit**

Horticulture will cover topics of plant anatomy, taxonomy, propagation, with an emphasis on nursery / landscape and interior scaping along with vegetable production. Students will work closely with the "Food for Thought" project by operating the hydroponics production and maintaining and harvesting the outdoor plots as the season progresses to gain skills in business management as well as production.

## **BUSINESS EDUCATION**

**Business Education classes are not gender specific; both boys and girls from all ethnic and cultural backgrounds are encouraged to build Business Education classes into their schedule.**

### **Introduction to Computers (Course #KCCCI)**

**Semester / Grades 9-12 / 1 Credit**



Familiarizes the student with business, personal, and industrial uses of microcomputers. Broad-based overview of microcomputer topics is presented; concepts of storage media, file organization and data representation are also presented. The fundamentals of computer problem solving and programming are discussed. This course is an introduction to and a fundamental mastery of the four basic business software applications: Word Processing, Spreadsheets, Presentations, and Databases. Microsoft Office will be used throughout the course with Microsoft Word, Microsoft Excel, Microsoft PowerPoint, and Microsoft Access. There will be some work with alternative software like Google and OpenOffice, as well as online presentation sites like Prezi.

### **Accounting I (Course #270)**

**Semester / Grades 10-12 / 1 Credit**

This course is designed to introduce students to accounting and the proper practices used in that field. Students will cover accounting procedures for a sole proprietorship and a merchandising corporation. Students will complete assignments using both manual accounting methods and computerized accounting methods. Students will complete real world business simulations using automated accounting software. Sophomores need to visit with Mrs. Cook before signing up for this class.

### **Accounting II (Course #272)**

**Semester / Grades 10-12 / 1 Credit**

#### **Prerequisite - Accounting I**

This course is a continuation of Accounting I. Students will continue covering accounting procedures for a merchandising corporation using both manual and computerized accounting procedures. Students will complete real world business simulations using automated accounting software. **Sophomores need to visit with Mrs. Cook before signing up for this class.**

### **Entrepreneurship (Course #273)**

**Semester / Grades 9-12 / 1 Credit**

Have you ever thought about owning and operating your own business? This class combines general information with hands-on experiences to prepare you for that opportunity. Students will be introduced to all aspects of the business plan, including such areas as competition, marketing and finance. Upon completion of this course, students will have created a business plan for a business of their choice.

### **Marketing (Course #275)**

**Semester / Grades 10-12 / 1 Credit**

The purpose of this course is to familiarize students with the scope, terminology and functions of marketing in the modern business firm within our global economy. Students will focus on understanding and analyzing consumer motivation and how to use that understanding to develop a successful marketing campaign. Students will participate in real-world project-based learning to gain a deeper understanding of marketing and develop 21<sup>st</sup> Century Skills in the areas of technology, creativity, innovation, collaboration, problem solving and communication skills.

### **Financial Literacy (Course #503)**

**Semester / Grades 11-12 / 1 Elective Credit**

This course will inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets utilizing checking and saving accounts, gain knowledge in finance, debt and credit management, and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions leading to financial independence.

### **Occupational Experience (Course #286)**

**Fall Semester / Grades 11-12 / 1 Credit**

A fall semester course **only**, this course is designed for any senior or junior student who is interested in learning about occupational responsibilities and work survival. It encompasses all work ethics. Students will learn about career planning, job satisfaction, job performance, human relations, leadership development and related material needed to survive in our working society. In this course the students spends one block every other day during the fall semester in the classroom. Part of each day can be used by the student to work in a selected occupation during the entire school year.

## **Occupational Experience OJT (Course #287)**

**Fall and/or Spring Semester /  
Grades 11-12 / 1 Credit each semester**

**Co-requisite: Must take Occupational Experience first semester.**

Students work with pay at one of the local businesses for 10 to 15 hours per week, usually in the afternoons. Training stations are secured by the student through the usual job interview process with the help and consent of the coordinator.

## **FAMILY & CONSUMER SCIENCE**

**Family & Consumer Science classes are not gender specific; both boys and girls from all ethnic and cultural backgrounds are encouraged to build Family & Consumer Science classes into their schedule.**

### **Foods I (Course #310)**

**Semester / Grades 9-12 / 1 Credit**

This course deals with basic kitchen safety and sanitation principles. Students will prepare a variety of food items focused on the recommended food categories for proper healthy living. Fruits, vegetables, grains, dairy, and lean proteins are some of the topics that will be covered in this course. We will also use basic cooking techniques such as baking, sautéing, boiling, frying, roasting, and simmering.

### **Clothing I (Course #312)**

**Semester / Grades 9-12 / 1 Credit**

This course includes major units in clothing care and construction. Clothing construction projects are included. Each student will create a handmade garment fit to their clothing size. Students will learn hand sewing, proper zipper application and many other basic sewing skills.

### **Real Life Skills (Course #326)**

**Semester / Grades 9-12 / 1 Credit**

This course is designed to teach students skills they will need to be on their own. Topics to be covered are: personal relationships, dating, marriage, aging, decision making, problem solving, money management, values and goals. The students will also investigate the world of work. Careers, jobs, balancing work and family life, and career exploration will be a part of this class.

### **Foods II (Course #314)**

**Semester / Grades 9-12 / 1 Credit**

**Prerequisites: Foods I or permission of the instructor.**

This course is an advanced cooking course that explores food from around the world. More advanced cooking techniques will be used such as poaching, braising, steaming, and others. As well as new techniques, students will be exposed to unusual ethnic ingredients and cooking traditions.

### **Clothing II (Course #327)**

**Semester / Grades 10-12 / 1 Credit**

**Prerequisite: Clothing I**

The course includes an in-depth study of fibers and fabrics, clothing selection and construction, clothing care and purchasing. It also includes an in-depth look into the fashion and textile industry. Clothing construction projects are included. Projects will focus on complex and multi stepped sewing applications in which various sewing techniques will be required.

### **Parenting and Child Development (Course #316)**

**Semester / Grades 9-12 / 1 Credit**

Learning to parent and enjoy children is the main emphasis of this course. The class covers prenatal development, parenting skills and physical, intellectual and emotional development of children through different stages of life. Students will gain realistic learning experiences through the realistic baby simulator dolls as well as creating age-appropriate lesson plans for school-aged children.

### **Creative Foods (Course #323)**

**Semester / Grades 10-12 / 1 Credit**

**Prerequisites: Foods I and Foods II**

A gourmet cooking class that uses the basics learned in Foods I and Foods II to enhance the student's learning in commercial food production. This course will focus on advanced cooking techniques and preparation. Students will design and plan restaurants and learn the basic of commercial restaurant procedures, including; menu planning, design layout, food purchasing, budgeting, and large scale food preparation.

### **Interior Design and Technology (Course #324)**

**Semester / Grades 9-12 / 1 Credit**

This course includes major units in interior design, architecture and technology. Design projects using floor plan and/or CAD programming software will be included. Topics to be explored include design principles, personal design needs and

styles, and the decision making process. Students will take on the role of an interior designer to create design boards and blueprints of spaces asked for by “clients”.

## **INDUSTRIAL TECHNOLOGY**

The Industrial Technology program is a part of the total Vocational Education program at Monticello High School. The program is concentrated into four clusters of courses: construction, communication, power and energy, transportation and manufacturing. These courses directly tie into programs at Kirkwood Community College. Monticello High School and Kirkwood have articulation agreements for the areas of construction and architectural drafting technology that will allow students advanced placement.

Application principles in all classes will be emphasized with consideration given to problem solving, careers, global education, as well as job seeking, getting and keeping skills.

**Industrial Technology classes are not gender specific; both boys and girls from all ethnic and cultural backgrounds are encouraged to build Industrial Technology classes into their schedule.**

### **Manufacturing IV (Drafting Technology) (Course #352)**

**Semester / Grades 9-12 / 1 Credit**

In this course students will learn the use of basic drafting tools and equipment. Students will also learn interpretation of drawings made for use in the area of machine design and project fabrication. Students will be exposed to the area of computer aided drafting. This course will be required for those students planning to take Architectural Drafting. By taking this class a student may receive advanced placement in these two Kirkwood programs: Intro. to Architectural Drafting and Introduction to Architectural Drafting, Residential.

### **Manufacturing III (Introduction to Power & Energy) (Course #353)**

**Semester / Grades 9-12 / 1 Credit**

Introduction to Power and Energy covers many aspects of the world we live in and how things work. It discusses the energy sources we currently use and new sources that are being developed. Other areas of study include simple and complex machines, hydraulics, pneumatics and basic electricity. Students who are interested in Auto Tech are encouraged to take this class.

### **Manufacturing II (Metals Technology I) (Course #367)**

**Semester / Grades 9-12 / 1 Credit**

A course designed to give students experience in a variety of metal working areas including foundry, sheet metal, welding (mig, gas, arc) and threading as well as materials testing and strength analysis. Careers will be considered through outside speakers, films, field trips, etc.

### **Advanced Manufacturing III (Transportation) (Course #369)**

**Semester / Grades 10-12 / 1 Credit**

#### **Prerequisite: Introduction to Power and Energy**

Transportation will study the four major forms of transportation: land, air, space and water. The study will include not only the technology of these areas, but also the history and business involved with each. Students will construct various projects related to each area of transportation.

### **Advanced Manufacturing I (Electricity) (Course #381)**

**Semester / Grades 9-12 / 1 Credit**

Basic home wiring will be explored in this class. This course involves electrical safety. Wiring a variety of different switches and circuits will be explored.

### **Manufacturing I (Course #383)**

**Semester / Grades 9-12 / 1 Credit**

A course designed to teach elements of mass-production. The class will organize into a company, select a product and proceed to mass-produce. Students will build, jigs, fixtures and set up an assembly line. Research and development of an experimental problem will involve problem solving and construction of the assigned project.

### **Advanced Manufacturing II (Machining Fundamentals) (Course #371)**

**Semester / Grades 10-12 / 1 Credit**

#### **Prerequisite: Metals Technology**

A course designed to give students experience in machining. The course will cover all functions associated with metal working machines. Students will research and complete five projects using metal working machines. Careers will be covered as well as field trips.

**Advanced Manufacturing IV (Computer-Aided Drawing) (Course #389) Semester / Grades 10-12 / 1 Credit**

**Prerequisite: Drafting Technology**

This course is an introductory course in the basic operations of a Computer Assisted Drafting System. Use of commands and input methods will be stressed. Generic drawings will be completed using Pro Desktop Software.

## **LANGUAGE ARTS**

Specific requirements in English: Students are required to complete four years of English. Required classes include English I, English II, English III, English IV/AP English/KCC Comp I & II/Western World Lit. The following class order is recommended in order to enroll in Advanced Placement English as a senior: Advanced English I/II, English III, Western World Literature, KCC Comp I, and Advanced Placement English. Classes which are starred (\*) are recommended for college bound students.

**English I (Course #400)**

**All Year / Grade 9 / 2 Credits**

The emphasis in this required course is on writing and literature. Writing is dealt with thorough paragraph writing and composition writing. Literature is dealt with through the use of a ninth grade literature text and supplemental novels. Various types of literature such as poetry, the short story and non-fiction essays may be discussed.

**\* Advanced English I / II (Course #408)**

**All Year / Grade 9 / 2 Credits**

The Advanced English I and II course is intended for students who wish to accelerate their English program in Monticello High School. The class will use materials from both 9th and 10th grade classrooms. This course offers more freedom to students who do not need to spend as much time learning some of the basic skills traditionally taught in ninth grade English. This course also offers greater opportunity for individualization, greater flexibility in the rate at which material is covered and more varied topics. The topics covered will include grammar and mechanics, writing, vocabulary and literature. After completion of this course, students will take English III during the sophomore year. Western World Literature and Composition should be taken Junior year. During the senior year, they will be encouraged to take AP Literature.

**English II (Course #410)**

**All Year / Grade 10 / 2 Credits**

**Prerequisite: English I**

This is a required course in writing, speaking and literature. English 10 will cover literature, writing, vocabulary, study and reading skills, thinking skills and grammar. There will also be an emphasis on developing the ability to communicate orally in a variety of situations.

**English III (Course #210)**

**All Year / Grade 10-11 / 2 Credits**

**Prerequisite: English II or Advanced English I & II**

This is a required course in writing, speaking and literature. It covers the original components of Basic Composition and American Literature in a combined yearlong class. The literature portion is a thematically designed survey of the important American authors from Puritan times to the present. Poetry, fiction, and drama from various authors will be covered. The writing portion of the class is designed to provide writing instruction beyond what is offered in English I and II.

**English IV – School to College: Part 1 (Course #LACO1)**

**Semester / Grade 12 / 1 credit**

(Formerly named “Senior College Prep”)

A one semester class offered to seniors only in the fall, this class will concentrate on writing college scholarship essays, filling out college admissions and scholarship applications, researching various colleges, and reading recommended college texts. This class will be a self-designed class to meet the needs of those attending a postsecondary school after high school. It is meant as an intense class so students will be better prepared for the college they have selected. Public speaking, interviewing, job shadows, career exploration, student loans, credit cards, and other topics relating to life after high school will be part of the class.

**English IV – School to Career: Part 1 (Course #LACA1)**

**Semester / Grade 12 / 1 credit**

A one semester class offered to seniors only in the fall, this class will concentrate on writing essays, filling out forms, researching various careers, and completing various readings. This class is designed to meet the needs of students planning on entering a career directly after high school. Public speaking, interviewing, job shadows, loans, credit cards, and other topics relating to life after high school will be discussed.

**English IV: Part 2 (Course #LAE42)****Semester / Grade 12 / 1 credit**

A one semester class offered to seniors only in the spring, this class will concentrate on practical English skills needed in life after high school. The objects of this course are to apply reading, writing, and thinking skills to practical situations. Students will learn how to construct and present well-organized speeches and participate in various forms of discussion and debate. Novels and short stories will be read and discussed. A focus will also be placed on technical writing skills needed in the world beyond high school.

**\* Western World Literature (Course #430)****Semester / Grades 11-12 / 1 Credit****Prerequisite: English III is recommended, but not required.**

This course is designed for college-bound students. The course begins in 6th century BC Greece and ends in 16th century England. The class requires students to use class discussions and lectures in their writing both in and out of class. It includes the study of Greek mythology - selections from the Edith Hamilton collection, The Odyssey by Homer, and plays of Greek dramatists. Western World Literature also includes selections from Dante and Shakespeare. The material in this course is both interesting and challenging.

**\* Advanced Placement English (Course #449)****All Year / Grade 12 / 2 Credits****Prerequisite: Western World Lit**

Advanced Placement English is designed to prepare students for the quality and quantity of reading expected in a college level course. Students who wish to enroll in the class will meet the instructor at the end of the previous school year. They will be contacted over the summer and arrange to meet twice before school begins to receive the syllabus and a summer reading assignment. Attendance is required. In AP English, students will undergo an intensive study of the different genre and themes which are found in literature. Students will demonstrate their knowledge and critical thinking skills through writing. Students will learn about and practice advanced essay writing techniques on old AP examinations. Some of the authors covered in the course are: Dostoevsky, Hawthorne, Conrad, Fitzgerald, Achebe, Milton, Williams, Miller, Hursten and Shakespeare. In the spring, students have the option to take the AP examination. Passage of this challenging exam may provide students with college credit. This class meets the state colleges' requirements for English credit.

**Foundations of Literature / Lab- (Course #LAFL1)****All Year / Grades 9-12 / 2 Credits Pass or Fail****Prerequisite: Teacher Approval**

This course is designed as an invitation only course for students identified with specific learning targets in the areas of Reading and Language Arts. In this course students will utilize research-based curricular resources and materials that are designed to increase academic achievement. Students will be taught a variety of strategies to increase their level of independence and proficiency in the areas of Reading and Language Arts.

**Strategic Literature / Lab- (Course #STLIT1)****All Year / Grades 9-12 / 2 Credits Pass or Fail****Prerequisite: Teacher Approval**

The goal of Strategic Literature is the remediation of reading deficits for secondary students who otherwise would struggle with the demands of the secondary curriculum. Strategic Literature focuses on comprehension skills but also targets vocabulary development and fluency in both fiction and non-fiction textual materials. The course is designed specifically for high school students who are reading below grade level.

**KCC Composition I | 3 college credits****All Year / Grades 11-12 / 1 Credit****Prerequisite: ENG-101 or qualifying placement score.**

Develops expository writing with emphasis on organization, supporting details, style, vocabulary and library research skills.

**KCC Composition II | 3 college credits****All Year / Grades 11-12/ 1 Credit****Prerequisite: ENG-105 (KCC Composition I)**

Teaches precise and responsible use of research tools. Requires critical analysis of reading materials, audience and self when communicating content material. Develops students' ability to use effective and ethical arguments.

## FOREIGN LANGUAGE

Learning a second language not only provides practice in higher level thinking skills, but also opens up opportunities in such fields as health care, law enforcement, education, social services, tourism, and business. Studies have shown that studying a “foreign” language improves a student’s performance on standardized tests. Many universities require 2 **or more** years of a second language for admission or to graduate in certain majors. Some universities also require a certain level of proficiency for acceptance (such as a C- grade). Check with the school you are interested in attending.

### **Spanish I (Course #460)**

**All Year / Grades 9-12 / 2 Credits**

The Spanish language is the key to Hispanic culture. The present tense, noun-adjective agreement and vocabulary for beginning Spanish are studied. Basic English language skills are very helpful.

### **Spanish II (Course #469)**

**All Year / Grades 10-12 / 2 Credits**

#### **Prerequisite - Spanish I**

Basic language skills continue to be developed. Present tense is further developed with stem changing verbs and irregulars introduced. One past tense is also introduced. Placement of object pronouns is studied. Intermediate level role play and conversational skills are developed. More culture is explored. (If two years of Spanish are desired, it is highly recommended that both are taken consecutively since retention is better.)

### **Spanish III (Course #479)**

**All Year / Grades 11-12 / 2 Credits**

#### **Prerequisite - Spanish I and Spanish II**

Advance language skills are developed. Present tense is reviewed, past tense is further developed and giving commands are introduced and practiced in a variety of contexts. The subjunctive mood is presented and students learn to use it in speaking and writing. More conversational fluency is emphasized. Individual areas of interest in the culture of Hispanic people are explored.

### **Spanish IV (Course #489)**

**All Year / Grades 12 / 2 Credits**

#### **Prerequisite - Spanish I, II, and III**

Speaking and writing skills are polished and more fluency is developed. The basics are reviewed. Future and conditional tenses are introduced as well as present and past perfect. Literature in the language will be studied. There is continued exposure to the target culture and language such as art, poetry, and history. (Some universities require 3 or 4 years of a foreign language.)

## MATHEMATICS

Mathematics has much to offer not only as a tool to further learning but as a means of providing basic education. Three years (6 credits) are required for graduation. Math requirements can be accomplished through a traditional path of Algebra I, Geometry, Algebra II, or through an accelerated path which will allow a student to take Advanced Placement Calculus. The following outlines the AP sequence:

<u>1<sup>st</sup> year</u>	<u>2<sup>nd</sup> year</u>	<u>3<sup>rd</sup> year</u>	<u>4<sup>th</sup> year</u>
Geometry	Algebra II	Pre-Calculus	AP Calculus
Algebra II	Geometry	Pre-Calculus	AP Calculus
Algebra I	Algebra II & Geometry	Pre-Calculus	AP Calculus

### **Probability & Statistics can be taken after completing Algebra II**

The mathematics department strongly recommends the TI-84 graphing calculator which will be used in all math courses. All instruction will be based on these models. Classes which are starred (\*) are recommended for college bound students.

### **Pre-Algebra (Course #510)**

**All Year / Grades 9-12 / 2 Credits**

#### **Prerequisite: Teacher approval**

This course is designed to assist students in grasping mathematical concepts and skills. Content is present at a pace that allows students and the instructor to explore the strategies that will support learning and application of concepts and skills across multiple settings. Online math programs will be used through this course to allow students to work towards proficiency of mathematical skills and concepts. Students who take Pre-Algebra will be required to take the following sequence before graduation to fulfill the Iowa Core requirements: Pre-Algebra, Algebra I, Geometry, Algebra II (1<sup>st</sup> semester).



## **Math Tutorial**

**All Year / Grades 9-12 / 2 Elective Credits**

### **Prerequisite: Teacher Recommendation**

#### **(This class is considered an elective credit)**

This course is designed for students who are working towards proficiency of mathematic concepts in Algebra/Geometry/Algebra II. This course introduces content at a modified pace to ensure student proficiency. Students will learn Algebra concepts with the aid of practical, real-life examples and applications.

### **\* Algebra I (Course #529)**

**All Year / Grades 9-12 / 2 Credits**

This course will involve the discovery, student and practical applications of different relationships in the real number system including linear functions, absolute value functions and quadratic functions. Computer problem solving and applications will be explored. Some work with spreadsheets and computer graphing using realistic data sets will be incorporated. Students will increase their usage of the graphing calculator to graph functions (mathematical relationships). This is a college prep course. A graphing calculator is strongly recommended.

### **\* Geometry (Course #540)**

**All Year / Grades 9-12 / 2 Credits**

**Prerequisites: Algebra I (Students wanting to enroll in both Geometry and Algebra II at the same time must have instructor's approval.)**

This course will cover the same content as the traditional geometry course but will use more of a discovery approach. The topics covered in this text will enable the student to enhance their geometric skills, solve problems with a variety of old and new techniques (constructing models, conjectures, guessing, drawing pictures, etc.) and see how mathematical ideas are connected (similar solutions to solve different problems). Appropriate computer software will be used to perform investigations that will lead the students to new and interesting geometric discoveries. A graphing calculator is strongly recommended.

### **\* Algebra II (Course #550)**

**All Year / Grades 9-12 / 2 Credits**

**Prerequisites: Algebra I (Students wanting to enroll in both Geometry and Algebra II at the same time must have instructor's approval.)**

A review of Algebra I with many more advanced methods is part of the first semester. The main aspect of the course deals with functions and their applications. Such functions as parabolic, exponential, logarithmic and trigonometric will be studied in detail. This is a good course for any student going to college or taking further math or science courses. A graphing calculator is strongly recommended.

### **\* Pre-Calculus (Course #560)**

**All Year / Grades 11-12 / 2 Credits**

#### **Prerequisites: Algebra I, Algebra II and Geometry**

This course will include the study of various pre-calculus topics with a heavy emphasis in the study of functions. Graphing calculators are used extensively. This course is essential for all people who plan to study math or math-science related fields in college. A graphing calculator is strongly recommended.

### **\* Probability and Statistics (Course #505)**

**All Year / Grades 11-12 / 2 Credits**

#### **Prerequisites are Algebra II and Geometry**

This course is designed for those students who wish to see the role statistics play in our daily lives. The course will be very hands-on oriented with data analysis and inference being emphasized. Topics of discussion include: organizing data, producing data, probability and inference.

### **\* AP Calculus (Course #570)**

**All Year / Grade 11-12 / 2 Credits**

#### **Prerequisites: Algebra I, Algebra II, Geometry and Pre-Calculus**

This is an Advanced Placement Program in Calculus. The student will follow a prescribed course in college calculus. The course will cover the topics of calculus such as limits of functions, differentials and integrals and their applications. At the conclusion of the course the student may pay an Advanced Placement Program fee to take a test on this course. If you are successful you will be given college credit and will pass out of college calculus.

## SCIENCE

It is strongly recommended that all students consider taking more than the required three years of science. It is felt that basic scientific information and processes will be valuable for all students, whether they are planning post-secondary schooling or not. Most courses are laboratory oriented so that the student can gain first-hand experience doing science.

### **Science 9 (Course #605)**

**All Year / Grade 9 / 2 Credits**

Science 9 is a required course that focuses on the earth science topics of earth structure, earth's place in the universe, ecosystems, and human interactions with the earth. The course is also an introduction into some physical science concepts, including force and motion. This course is accepted by colleges and universities to fulfill admission requirements.

### **Biology (Course #620)**

**All Year / Grades 10-12 / 2 Credits**

This course is a blend of activities centering around the laboratory, lectures, and discussions. The following units are covered during the year: cell structure and function, genetics, natural selection and life history. This course is accepted by colleges and universities to fulfill admission requirements. Students interested in health careers are encouraged to take this class.

### **Chemistry (Course #640)**

**All Year / Grades 11-12 / 2 Credits**

**Prerequisite: Algebra**

**(10<sup>th</sup> with instructor approval)**

Chemistry is an elective course designed for students interested in exploring the composition of substances and how substances interact to form useful products. This course is strongly recommended to all students planning to attend a four-year college program, but is open to any student who has successfully completed the prerequisites. Students should have a working knowledge of algebra and be able to solve for unknowns in given equations. Topics of study include atomic structure, chemical compounds, chemical reactions, moles, periodic law, gas laws, solution chemistry, acids and bases, and electro-chemistry. Students will be required to apply concepts in a laboratory setting and then produce reports discussing the results. Since we will be using real chemicals, safety procedures will be very important. Goggles and aprons are provided.

This course is accepted by colleges and universities to fulfill admission requirements.

### **Physics (Course #622)**

**All Year / Grades 10-12 / 2 Credits**

**Prerequisite: Algebra & Algebra Geometry (recommended not required)**

**(10<sup>th</sup> with instructor approval)**

Physics is an elective course designed to give the learner a better understanding of the physical laws and principles governing our universe. Physics at Monticello High School is recommended to all students planning to attend a four-year college program and many of those planning a two-year program. Students should have a working knowledge of algebra and trigonometry.

The first semester consists of the study of force, motion, circular motion, momentum, energy, work, and power. Second semester consists of the study of waves, sound, light, electricity, atomic physics, nuclear physics, and high energy particle physics. This course will utilize a wide variety of materials, equipment and experiences so widely differing interests may be met. Many experiments are completed and written up to follow standard scientific communication skills. Computer interfacing, spreadsheet and graphical analysis are used throughout the course. Students obtain a good background in physics, along with an understanding of science as "one of the humanities"

This course is accepted by colleges and universities to fulfill admission requirements.

### **Anatomy and Physiology (Course #607)**

**All Year / Grades 11-12 / 2 Credits**

**Prerequisite: Chemistry or current enrollment.**

This is a full year course and students cannot join at second semester. Anatomy and physiology is a laboratory-based course designed for students interested in studying the structure and function of the human body. This course will help provide a needed foundation for those students who plan to pursue a career in the health sciences. Lab activities will include dissections of many internal organs.

## SOCIAL STUDIES

Specific requirements for graduation: Social studies such as history, civics, government, economics and sociology are basic to the understanding and solution of contemporary problems in the community, in the nation and in the world. Three years of Social Studies are required. Students are required to take one year of U.S. History (**9<sup>th</sup>-12<sup>th</sup> Grade**). **Students can take any two of the three U.S. History courses offered in any order.** Students are required to take one year of World History (**10<sup>th</sup>-12<sup>th</sup> Grade**). **Students can take any two of the three World History courses offered in any order.** Students are also required to take Economics (11<sup>th</sup> or 12<sup>th</sup> Grade) and American Government (12<sup>th</sup> Grade).

**Post Civil War to WWI U.S. History (Course #713)****Semester / Grades 9-12 / 1 Credit**

This course will examine the political, economic and social forces that helped the United States emerge as a world power at the beginning of the twentieth century. There will be numerous writing and speaking projects.

**Roaring 1920s to Post WWII (Course #714)****Semester / Grades 9-12 / 1 Credit**

This course will examine the political, economic and social forces that helped the United States gain and maintain world status. Topics will include but are not limited to the Jazz Age, the Great Depression, WWII, the Korean War and the beginning of the Cold War. There will be numerous writing and speaking projects.

**Modern U.S. History (Course #715)****Semester / Grades 9-12 / 1 Credit**

This course will examine the political, economic and social forces that helped the United States sustain its leadership role in the world. Topics will include but are not limited to the Cold War, Civil Rights, the Vietnam War, the Gulf War and 9/11. There will be numerous writing and speaking projects.

**Ancient Civilizations World History (Course #708)****Semester / Grades 10-12 / 1 Credit**

Ancient Civilizations will provide a survey of the evolution of society from the ancient Middle East through Greek and Roman civilizations. Students will study the rise and fall of civilizations and empires, with an emphasis on the legacies they provide to successive societies.

**Medieval World History (Course #709)****Semester / Grades 10-12 / 1 Credit**

This course will provide an overview from the fall of Rome through the Age of Reason. Topics will include but are not limited to the Middle Ages, Scientific Revolution and the Renaissance period.

**Modern World History (Course #710)****Semester / Grades 10-12 / 1 Credit**

Modern World History will provide an overview of the history of human society in the past few centuries to help understand our world today. Topics will include but are not limited to Revolutionary periods, Nationalism, Imperialism, World Wars, and the Cold War.

**Social Psychology (Course #741)****Semester / Grades 9-12 / 1 Credit**

Why do you do what you do? The Psychology class is designed for students who are curious about human behavior. Human behavior will be explored from several dimensions: physically, socially and by exploring motivation. Topics discussed during the semester will be: perception, learning, dreams, personality, mental retardation and personality disorders. The course will attempt to promote self-awareness.

**Sociology (Course #742)****Semester / Grades 9-12 / 1 Credit**

Why do we do what we do? Sociology is the study of people and their behavior in groups/societies. Emphasis will be upon how people can shape and are shaped by group norms. Topics of special concern will be culture, family, crime, social status, religion and rural and urban life.

**Economics (Course #753)****Semester / Grades 11-12 / 1 Credit**

This course is required during either the 11th or 12th grade. It is a course which combines economic theory with practice. Major topics include: the principles that govern the American free enterprise system, competition, supply and demand, the stock market and the role of the federal government as well as personal financial literacy..

**American Government (Course #763)****Semester / Grade 11-12 / 1 Credit**

This course required, for 12th grade students, will emphasize the development of the American political system by exploring the constitution and three federal branches of government. State and local government will be examined as well.

## **COMPUTER SCIENCES/TECHNOLOGY**

**Graphics (Course #117)****Semester / Grades 9-12 / 1 Credit**

Graphics is the exploration of images, their meanings and the alteration of images using computers, scanners, digital cameras and associated software. This course also includes digital photography and design concepts.

**Student Enterprise (Course #CSTSE)****Semester / Grades 10-12 / 1 Credit**

In this course students will learn how the disciplines of Science, Technology, Engineering, and Math (STEM) are unitized in the creation of everyday products, as well as product packaging and marketing. Students will learn how to produce,

market and distribute a product by learning the concepts behind successful entrepreneurship. In this course students will create a business and learn how STEM and entrepreneurial endeavors complement each other.

**For additional computer science/technology classes see Academy classes listed in the back of this booklet.**

## **LEARNING SKILLS**

### **Personal Study (Course #796)**

**All Year / Arranged / 2 Credits**

#### **Prerequisite: Teacher Approval**

This course will further develop student learning strategies and skills. Assistance is provided for students to benefit their educational needs as indicated in an IEP.

## **APPLIED EDUCATION**

The goal of the Physical Education program is to promote and enhance the normal growth and development of each student by means of a carefully planned, well-rounded program of physical activity and health awareness activities. Students are required to take one semester of Physical Education each year. No physical education exemptions are allowed.

A full program of activities emphasizes such phases of education as the physical, the social, the emotional and the recreational development of each student. Areas of instruction and emphasis include fitness concepts and development, lifetime recreational activities and team and individual sports. Grades 9-12 are required to complete course work in dance and rhythm movement and water safety.

### **Health & Wellness I (Course #880)**

**1<sup>st</sup> Semester/Grade 9/1 Credit**

This course is designed around the Iowa Core Essential Skills and concepts of Health Literacy in the area of fostering healthy, active lifestyles for individuals and the benefit of society. Students will practice personal goal setting and strive to reach personal health and wellness goals. This course also incorporates many of the national standards for physical education. This course is offered first semester and is required for all 9<sup>th</sup> grade students.

### **Health & Wellness II (Course #881)**

**2<sup>nd</sup> Semester/Grade 9/1 Credit**

In this course students will explore topics relating to teen and adult health. It is designed around the Iowa Core Essential Skills and Concepts of Health Literacy in the area of basic health concepts to enhance personal family and community health. Students will be required to use critical literacy/thinking skills and demonstrate decision-making abilities when it comes to making healthy choices to assist in fostering a healthy lifestyle. This course also incorporates many of the national standards for physical education. This course is offered second semester and is required for all 9<sup>th</sup> grade students.

### **Physical Education (Course #874)**

**Semester/Grades 10-12/1 Credit**

Students in grades 10-12 are required to take this course. The program of activity emphasizes such phases of education as the physical, the social, the emotional and the recreational development of each student with emphasis on fitness development and lifetime skills. Students will be required to take this course one semester per year and may be granted a waiver for the other semester by submitting the appropriate paper work to the office.

### **Physical Education – Pure Fitness (Skinny Class-Every Day)**

**Semester/Grades 9-12/1 Credit**

This class meets every day with a major focus on fitness. You will be doing a workout every day, alternating core/cardio/yoga and lifting. You will chart your progress throughout the semester. You may be tailoring your workouts to your specific needs and abilities.

### **Drivers' Education**

**Summer/Grades 9-12/.5 Credit**

#### **Prerequisite: Learner's Permit**

Driver Education will be offered to students only during the summer months. Driver Education will consist of a state mandated minimum of thirty classroom hours and at least six hours of behind the wheel instruction. Students must be 14 years of age and have a Learner's Permit before signing up for class. It is strongly suggested but not required that the student have some experience behind the wheel before class begins also. One, six week session will be offered with the oldest students being enrolled first. A fee will be assessed. Students successfully completing the course will receive a Certification of Completion which needs to be presented to the IA Department of Transportation when procuring a license. There is a \$5 processing fee to replace lost certificates.

**Community Service Class (Course # COMMS)****Semester/Grades 11-12/1 Credit**

The objective of the MHS Community Service class is to provide students in grades 11-12 with the opportunity to gain understanding of service. Students will participate in a community needs assessment. Based on this needs assessment students will organize, implement and assess a community service project. This class may be taken twice; once for course credit and once for silver service hours.

**WLC Student Internship Program (Course #INTS)****Semester/Grades 11-12/1 Credit**

The Area 10 Student Internship Program is coordinated through the Workplace Learning Connection. Local employers partner with schools to offer this unique opportunity for work-based learning. Students may apply for a career specific internship opportunity within their pathway of interest. Interested students must successfully complete an application and interview in the selection process. Applications, internship job descriptions, and session schedules can be found at [www.workplace-learning.org](http://www.workplace-learning.org). Students learn new skills, apply classroom knowledge, and develop successful work place behaviors. The AREA 10 Student Internship Program can help students gain the insight necessary to make an informed career choice. Students must complete 90 hours of on-site learning during the term, attend and participate in 6 hours of career skill development meetings, and complete a guided student journal in order to receive elective high school academic credit. Sessions are offered throughout the school year and summer. Summer sessions are open for application to current sophomores and juniors. Please see website for complete details.

## **EXTRA-CURRICULAR ACTIVITIES**

MHS is proud of the activities program which is available to students. The activities program provides students many opportunities to further their growth academically, socially and physically. The activities program is composed of the following four major areas: athletics; speech and drama; clubs; and music. Students are invited to participate in the activities which are of interest to you.

<b>Athletics:</b>	<b><u>Activity</u></b>	<b><u>Teacher</u></b>
	Football	Wes Wilson
	Cross Country	Dan Sauser
	Volleyball	Stacie Breitbach
	Girls' Basketball	Donnie Kremer
	Boys' Basketball	Tim Lambert
	Wrestling	Ryan Luensman
	Boys' Track	Greg Williams
	Girls' Track	Darren Reade
	Boys' Golf	Curt Tauke
	Girl's Golf	Joe Steen
	Boys' Soccer	Phil Gilkerson
	Girls' Soccer	Bruce Feuling
	Softball	Bret McDonald
	Baseball	Josh Soper
	Strength/Conditioning	Donnie Kremer, Greg Williams
	Bowling	Brian Meyer
<b>Music:</b>	<b><u>Activity</u></b>	<b><u>Teacher</u></b>
	Jazz Band	Mike Kowbel
	Jazz Ensemble	Mike Kowbel
	Forte Singers	Brett Kniess
	Jazz Choir	Brett Kniess
<b>Speech and Drama:</b>	<b><u>Activity</u></b>	<b><u>Teacher</u></b>
	Speech Contest	Kim Carlson, Rebecca DeWitte
	Drama Productions	Kelli Osterkamp, Jackie Tighe
<b>Clubs:</b>	<b><u>Activity</u></b>	<b><u>Teacher</u></b>
	FFA	Eric Schmitt
	Cheerleading	Laura Zumbach
	Student Council	Mary Jane Maher
	BPA	Amanda Cook
	Yearbook	Jane Woodhouse
	National Honor Society	Carmen Stenger
	Panther Players	Kim Carlson, Kelli Osterkamp, Rebecca DeWitte
	Dance Team	Amanda Hackney
	Interact/Coffee Shack	Chelsea Sandin
	ASK Book Club	Kim Carlson

# Students who are interested in the following programs must be proficient in Reading, Math, & Science.

## ON LINE CLASSES

**Advance Placement Semester / Grades 9-12 / 1 or 2 Credit(s)**

**ELP Staff**

AP or Advanced Placement classes are offered for college bound students. They are good predictors of success at college. Students should expect two hours of homework each day connected with these on-line classes. Courses are offered in history, literature & composition, calculus, economics, psychology, physics and others. Students must be juniors, seniors or identified with Academix to be eligible. Permission to enroll is acquired through the High School ELP Coordinator.

## Jones County Regional Educational Center Career Academy Classes

Juniors, Seniors & ELP/TAG Students in 9<sup>th</sup> & 10<sup>th</sup> Grade are eligible to participate in these classes. Enrollment is limited. Preference will be given to students who meet are in good academic standing; on target with graduation credits; have good attendance records; and have taken suggested prerequisite high school courses in addition to showing proficiency in Reading, Math, & Science.

Packets for Postsecondary Enrollment Option (PSEO) classes and registration forms for the Career Academy programs are available in the high school office. These courses are for elective credit. Please note completion deadline dates.

## CONCURRENT ENROLLMENT OPTIONS

**(formerly called Post Secondary Enrollment Options / PSEO)**

Policy Title: **Post-Secondary Enrollment Option Guidelines** Policy #602.6E1  
*(To be Included in Student Handbook)*

### General Information

Students in grades nine and ten who the district has identified as talented and gifted students and any students in grades eleven and twelve are eligible to take postsecondary educational courses. Students are eligible to take postsecondary educational courses if they meet all of the requirements outlined in the board's policy on instruction at post-secondary educational institutions and as required by the postsecondary educational institution, and if the student has obtained the approval of the superintendent or designee.

### Guidelines

The following is a simplified guideline to assist parents and students in utilizing the postsecondary enrollment option. The entirety of the Iowa law regarding the postsecondary enrollment option and the board's policy regarding the postsecondary enrollment option still controls all situations involving postsecondary enrollment option.

1. You must notify the school district of your intent to enroll in a postsecondary enrollment course at registration time. You may do this by indicating your intent to enroll in these courses on the registration forms distributed in February each year.

2. You must first complete the Monticello School District Application Form, including obtaining the required signatures, and return it to the guidance office.
3. All requests for postsecondary enrollment must be approved by the superintendent and/or building principal PRIOR to enrollment.
4. Upon receiving approval on the district's Application Form, you should fill out the Notice of Student Registration Form.
5. To be eligible for postsecondary enrollment, a course must;
  - a. Be nonsectarian;
  - b. Not be comparable to courses offered here at the district (comparable courses are determined at the discretion of administration and generally means that the content of a course provided to a high school student for postsecondary credit consists of substantially the same concepts and skills as the content of a course provided by the school district);
  - c. Be credit-bearing course that leads to an educational degree;
  - d. Be in the disciplines of mathematics, science, social sciences, humanities and vocational-technical education; and
6. If a course is approved, the school district will pay a maximum of \$250 per course and you will not pay for tuition unless you fail to successfully complete the course, as outlined in board policy. If a course is not approved, it may be possible for you to take the course at your own expense. These situations will be handled on a case by case basis.
7. If a student fails any course at a post-secondary educational institution and fails to receive credit for any course at a post-secondary educational institution, the district is not required to pay for and/or reimburse the student/family for any costs associated with the postsecondary educational course, except as outlined in the district's policy regarding the postsecondary enrollment option.
8. A student may take a course in the summer, but the school district is not required to pay for and/or reimburse the student/family for any costs associated with the postsecondary educational course.
9. Transportation costs for attending a postsecondary educational course are the sole responsibility of the student/family.
10. All courses approved and paid for by the district, and those courses approved by the district and paid for by the student/family will:
  - a. Be recorded on the official student transcript, including the letter grade granted by the postsecondary educational institution or the pass-fail indication granted by the postsecondary educational institution.
  - b. Be included in figuring class rank, including valedictorian and salutatorian status, and GPA at Monticello High School.
  - c. Be given graduation credit, as determined by the board. Typically, a three (3) or four (4) semester hour postsecondary course will be awarded one (1) graduation credit at Monticello High School.

**If you have any questions, contact the guidance or principal's office.**

Handbook board approved on December 18, 2017.