

2009-10 REGISTRATION MANUAL

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GRADUATION REQUIREMENTS:

Each student must earn a total of 46 credits of which at least 34 credits must be classified as academic. The academic curriculum is defined as courses other than those in Physical Education, Vocal Music, Instrumental Music, and Driver's Education. The student must also successfully complete designated course requirements in these various subject areas:

Language Arts: Four years (8 semesters)-Class of 2010 & after

Science: Three years (6 semesters)-Class of 2011 & after--of which the following are required:

One year of a Physical Science

One year of a Biological Science

Social Studies: Three years (6 semesters) of which the following are required:

One semester of World Geography

Two semesters of American History

One semester of American Government

Math: Three years (6 semesters)

Students completing Algebra I in grade 8 will be required to complete three additional years of math in high school

Business: One semester of Business Issues

Physical Ed.: One semester each year the student is enrolled

Vocational Ed: Two credits in a subject area. Vocational areas include:

Business, Family Consumer Science, Industrial Technology,
& Health Sciences.

All required courses must be successfully completed. When a student fails a course, the best procedure to follow is to visit with the counselor in order to determine your status and to arrange the necessary schedule change. Any failed required course must be retaken at the first possible opportunity.

No student may take more than one study hall per semester.

TRANSFER STUDENTS:

Course requirements for incoming transfer students may be adjusted at the discretion of the principal.

COURSE CHANGES:

Changes in schedules will be allowed when the request is the result of failure, work release, or unrealistic choice, provided that teachers involved have approved them and there is an opening in the selected class. Changes as a result of a whim, low grades, etc., will not be allowed; this also includes simply rearranging classes for a preferred order. It is therefore necessary that students consult with parents, teachers, and counselor to make sure that their course selections are realistic with their goals.

DUPLICATING COURSES:

If a course is successfully completed it may not be retaken for credit.

DROPPING COURSES:

If a student wishes to drop a subject or an activity, it must be done within **four** school days after the start of the first semester and within **four** school days after the start of the second semester on their scheduled drop day: Seniors may change their schedules on the 1st day, Juniors on the 2nd, Sophomores on the 3rd, and Freshmen on the 4th day. If a course is dropped or suspended after this period of time, the student will be given a failing grade which will be listed on their permanent transcript. Any change in a student's schedule, after the deadline, must be approved by the principal.

DUAL CREDIT CLASSES OFFERED IN THE HIGH SCHOOL

Dual credit classes include: Advanced Chemistry, Web Programming, PC Support I, "CPR & First Aid" through Health Science I, Medical Terminology, & Principles of Building. Iowa Western Community College (IWCC) credits are granted upon successful completion of both semesters. **The dual-credit student is responsible for reimbursing the school the \$110/credit fee if he or she receives a failing grade for**

the class or withdraws from the class after the designated drop date. Registration is due in May of the preceding year.

5 YEARS IN 4 PROGRAM

This is a Post-Secondary Education Program in cooperation with Iowa Western Community College. This program provides eligible seniors with the opportunity to earn college credits and participate in college courses on the IWCC campus.

In order to be eligible for the program incoming seniors must meet the following criteria:

- Be earning a 2.75 or higher cumulative gpa mid-year of their junior year
- Have met all high school graduation requirements except for Government
 - English – 6 credits
 - Science –6 credits
 - Social Studies – 5 credits
 - Math – 6 credits
 - Business Issues – 1 credit
- Earn qualifying scores established by IWCC on the ASSET test or comparable scores on the ACT
- Pass at least 3, but no more than 11 credit hours, on the campus of IWCC
- Pay a \$25 one-time registration fee to IWCC
- Attend an orientation with parents on the IWCC campus in August
- Maintain a C- or above in all classes at IWCC and MVHS
- Sign an agreement with the MV Community School District covering the terms and conditions of financial liability for courses taken on the IWCC campus

The student will register at IWCC in May of their junior year. The Missouri Valley District will pay tuition for up to 11 credits per semester, book fees, and lab costs. The student is responsible for providing his or her own transportation to the IWCC campus. **The student is responsible for reimbursing the district for tuition and fees if he or she fails the course or withdraws after the first week of classes.**

The student must be enrolled in a minimum of five academic classes, including both his or her high school and college classes, in order to meet eligibility requirements for participation in high school activities and athletics, as established by the Iowa Department of Education. Work release cannot be taken in addition to IWCC college courses.

College courses taken on the IWCC campus will be included on the student's high school transcript but will not count in his or her high school grade point average. The student will receive credit and grades from IWCC.

SELECT SENIOR PROGRAM

The Select Senior program is designed for eligible high school seniors to participate in **career/technical** programs for a full year at Iowa Western Community College.

In order to be eligible for the program incoming seniors must meet the following criteria:

- Have met all high school graduation requirements, including Government, & earned 44 credits
- Earn qualifying scores established by IWCC on the ASSET test or comparable scores on the ACT or PLAN
- Enroll in a career or technical program at IWCC (Examples: Business, Automotive, Electronics, Diesel Mechanics, Agribusiness Management, Building Trades, Nursing, Dental)
- Enroll in 12 or more credit hours
- Attend an orientation with parents on the IWCC campus in August
- Maintain a C- or above in all classes at IWCC and MVHS
- Sign an agreement with the MV Community School District covering the terms and conditions of financial liability for courses taken on the IWCC campus

The student will register at IWCC and pay a one-time \$25 application fee. Registration is due in May of his or her junior year. The Missouri Valley District will pay tuition for up to 13 credits per semester, book fees, and lab costs. The student is responsible for providing his or her own transportation to the IWCC campus. **The student is responsible for reimbursing the district for tuition and fees if he or she fails the course or withdraws after the first week of classes.**

The student must be enrolled in a minimum of five academic classes including both his or her high school and college classes in order to meet eligibility requirements for participation in high school activities and athletics, as established by the Iowa Department of Education.

College courses taken at IWCC will be included on the student's high school transcript but do not count in his or her high school grade point average. The student will receive credit and grades from IWCC.

WORK RELEASE:

Seniors who meet the eligibility requirements may complete a work release application. When a work release contract has been approved by the high school principal and a time slot arranged, seniors may reduce their course work to include no less than four classes. Work release receives one credit per semester.

INDEPENDENT STUDY:

At times, due to conflicts in scheduling, a student may not have the opportunity to participate in a class of his or her choosing. In those circumstances, a student may participate in an Independent Study class. The following guidelines must be followed for a student to be eligible for Independent Study:

1. must be a junior or senior
2. must be on track to graduate
3. the class is not required
4. a written agreement presented to the counselor from the student & teacher
5. final approval by the principal

All requests for an Independent Study class by a student must be submitted and approved before the first day of the semester.

TEACHER AIDES:

For a student to be a Teacher Aide, the classroom teacher must approve him or her in writing through the principal. If the student is accepted as a Teacher Aide, the counselor will be notified and the student will be scheduled as an aide. All student aides are to be seniors who are on track to graduate or juniors with special permission. Any student who is an aide can only be scheduled as an aide in place of one study hall.

POST-SECONDARY PLANNING:

It is important to give considerable attention to the selection of high school courses. Although students have met MVHS requirements, please be aware that requirements of some 4-year universities may be different. Listed below are Missouri Valley High School's requirements and those of the three state universities.

<u>Subject</u>	<u>MVHS</u>	<u>Four Year Iowa Public Universities</u>
English	4 years	4 years
Math	3 years	3-4 years-Alg. I & II, & Geometry
Science	3 years	3 years-(2 yrs. of Bio., Chem., or Phy.)
Social Studies	3 years	3 years
Foreign Language	not req.	depends on university/major

CLASSIFICATION OF STUDENTS:

Students at Missouri Valley High School shall be classified at the beginning of each school year as follows:

Freshmen – Those entering the first year of high school

Sophomores – Those with a minimum of 12 credits

Juniors – Those with a minimum of 24 credits

Seniors – Those with a minimum of 32 credits

COURSE DESCRIPTIONS

ART

DRAWING

(1 CREDIT)
GRADE 9-12 ELECTIVE

Drawing is a one-semester course focusing on realism in various drawing media. Students will explore pencil, ink, charcoal, pastel, oil pastel, and scratch board. WIC Art Show participation is expected. Drawing may be used as a prerequisite to both the Painting and Mural classes. Advanced study is possible (Advanced Portfolio) with successful completion and teacher approval.

2D DESIGN

(1 CREDIT)

GRADE 9-12 ELECTIVE

2D Design is a one-semester course focusing on 2D art processes including: block printing, collage, digital photography, mixed media, mosaic, and painting. WIC Art Show participation is expected. 2D Design may be used as a prerequisite to both the Painting and Mural classes. Advanced study is possible (Advanced Portfolio) with successful completion and teacher approval.

PAINTING

(1 CREDIT)

GRADE 10-12 ELECTIVE

Prerequisite: successful completion of either Drawing or 2D Design

This semester course focuses on painting in three media: watercolor, tempera, and acrylic. Students will work with many subjects from portraiture to still life to abstraction. Emphasis will be placed on students developing a personal style of painting. WIC Art Show participation is expected. Painting may be used as a prerequisite to the Mural class. Advanced study is possible (Advanced Portfolio) with successful completion and teacher approval.

CRAFTS

(1 CREDIT)

GRADE 9-12 ELECTIVE

This one-semester class focuses on artwork made from traditional craft materials. Many of the projects students make will be functional in addition to artistic. Projects will include beaded jewelry, weaving, clay, batik, and mask making. WIC Art show participation is expected. Crafts may be used as a prerequisite to Ceramics. Advanced study is possible (Advanced Portfolio) with successful completion and teacher approval.

SCULPTURE

(1 CREDIT)

GRADE 9-12 ELECTIVE

This one-semester course will emphasize creating three-dimensional works from several media. Units will include clay, wire, life-sized sculpture, mobiles, and carving. WIC Art Show participation is expected. Sculpture may be used as a prerequisite to Ceramics. Advanced study is possible (Advanced Portfolio) with successful completion and teacher approval.

CERAMICS

(1 CREDIT)

GRADE 9-12 ELECTIVE

Prerequisite: Successful completion of either Crafts or Sculpture

This semester course will focus on creating three-dimensional work using clay. Attention is paid to the various forming methods and stages through which the clay progresses from the raw product to the finished glazed piece. WIC Art Show participation is expected. Advanced study is possible (Advanced Portfolio) with successful completion and teacher approval.

MURAL PAINTING

(1 CREDIT)
GRADE 11-12 ELECTIVE

Prerequisite: Painting (“C” or above)

Mural Painting is a one-semester course in which juniors and seniors may design artwork for their school and community. Students will be responsible for two murals, from planning the layout to the projection, materials, and painting. The mural to be painted in the community may be an opportunity to fundraise for art students in the future.

BUSINESS EDUCATION

FRESHMEN SEMINAR

(2 CREDITS)
GRADE 9 REQUIRED

This yearlong course will offer objectives that include improvement of research and investigatory skills, presentation skills, interpersonal skills, group process skills, and problem solving/critical thinking skills. Other topics covered are careers and employment, post-secondary educational opportunities, life-coping skills, public speaking, computer skills, and note- and test-taking strategies.

COMPUTER APPLICATIONS

(1 CREDIT)
GRADE 10-12 ELECTIVE

This course focuses on creating word processing documents using Microsoft Word. Students will learn standard formatting procedures of documents including memos, letters, unbound reports, envelopes, labels, and newsletters. Students will also learn basic features and commands of Microsoft Word.

ADVANCED COMPUTER APPLICATIONS

(1 CREDIT)

GRADE 10-12 ELECTIVE

Prerequisite: Computer Applications (recommended grade of “C” or above)

This course is a continuation of Computer Applications that focuses on creating spreadsheets, presentation tools, and databases. Students will be using the Microsoft Office programs Excel, PowerPoint, and Access. Students will also learn the basic features and commands of Excel, PowerPoint, and Access. IWCC articulation credit is available with a “C” or above semester grade.

BUSINESS ISSUES

(1 CREDIT)

GRADE 11-12 REQUIRED

This course covers topics such as career exploration, job searching, and effective employee qualities. The remainder of the semester concentrates on finance units dealing with economics, budgeting, banking, credit, insurance, taxes, and living on your own.

ACCOUNTING I

(2 CREDITS)

GRADE 10-12 ELECTIVE

The general aim of the Accounting course is for the students to develop the basic skills needed to keep an orderly, accurate, and useful set of business records using double entry accounting. The student will gain an understanding of business records and of the precise steps taken from the initial recording of business transactions as they occur from day to day - to the completion and interpretation of the financial records of the business at the end of the fiscal period. A practice set is used to give students an opportunity to apply the accounting process to actual business situations. Students who are considering a career in business should take this course. Possible IWCC articulation credit is available.

ACCOUNTING II

(2 CREDITS)

GRADE 11-12 ELECTIVE

Prerequisite: Accounting I

Accounting II is a course designed for students wanting to become accountant assistants upon graduation or for the students that plan to attend college and major in accounting, marketing, management, or some other phase of business administration.

This course of study includes a review of the basic accounting principles and is a computer-oriented course. Multiple software programs will be used and job shadowing opportunities are available. Possible IWCC articulation credit is available.

INTRO TO BUSINESS

(1 CREDIT)
GRADE 10-12 ELECTIVE

Prerequisite: Accounting I completed, or currently enrolled, or teacher approval

Business Management is a course for students wanting to obtain an understanding of the characteristics, the organization, and the operations of business. It is intended for those students who are planning on or who are exploring the possibility of a career in business. This is a project/lecture-oriented class. Students will need to put in time outside of class to complete the required projects.

BUSINESS LAW

(1 CREDIT)
GRADE 10-12 ELECTIVE

This course deals with a basic understanding of the laws that affect everyday business practices. Some personal law is also covered in this course. The course is for the student who may be interested in pursuing a management, accounting, or law career.

DESKTOP PUBLISHER

(1 CREDIT)
GRADE 11-12 ELECTIVE

Prerequisite: Computer Applications or Teacher recommendation

This course is designed to enhance students' proficiency using Microsoft Publisher. Students will complete projects as the main course requirement. This will include, but not be limited to: flyers, programs, menus, business cards, return address labels, tickets, and other business forms.

COMPUTER SCIENCE

BASIC COMPUTER PROGRAMMING

(2 CREDITS)
GRADE 10-12 ELECTIVE

Prerequisite: Algebra I

This class is designed to develop the fundamentals of computer programming. Classes involve writing and editing computer programs in Q-BASIC language, along with reading

and completing written homework assignments. Mathematics concepts are used in the programs, so a math background is necessary.

WEB PROGRAMMING

(aka: Web Design)

(2 CREDITS)

GRADE 10-12 ELECTIVE
IWCC DUAL CREDIT

Prerequisites: Geometry completed or currently enrolled & required test scores

This course is designed to take 10-12th grade students, who have successfully passed Algebra and are currently taking Geometry or Advanced Algebra with a “C” or better average, beyond computer literacy to a deeper, broader understanding of the applications of computer technology in our society. Internet Applications provides the student with introductory and advanced Internet concepts. The student uses available Web Browsers and File Transfer Protocols in order to transfer files. Students learn common Internet programming languages.

PC SUPPORT I

(aka: PC Fundamentals)

(2 CREDITS)

GRADE 11-12 ELECTIVE
IWCC DUAL CREDIT

Prerequisite: Web Programming & Required Test Scores

Personal Computer Support I explores the current hardware and software similarities and differences between the personal computer and mainframe computer system. This course examines troubleshooting techniques and applies these methods to everyday needs of the district. Students will also learn to salvage, up-grade, and build computers.

FAMILY & CONSUMER SCIENCES

BASIC FOODS & NUTRITION

(1 CREDIT)
GRADE 9-12 ELECTIVE

This course will cover healthy eating habits, My Pyramid, kitchen utensils and tools, using recipes, safety and sanitation procedure, and simple meal planning. Food preparation labs will include dairy foods, eggs, fruits and vegetables, cereals, pasta, cookies, cakes, and quick breads.

GLOBAL FOODS

(1 CREDIT)
GRADE 10-12 ELECTIVE

Prerequisite: Basic Foods with a “C” or higher

This course will cover the study and preparation of foods native to countries throughout the world. It will also cover how history, climate, geography, economy, and culture have influenced the food customs of these countries. The continents we will study about are North, South, and Latin America, Europe, Asia, and Africa. The study of these cultures will reflect the differences and similarities of a global society.

ADVANCED FOODS

(1 CREDIT)
GRADE 9-12 ELECTIVE

Prerequisite: Basic Foods with a “C” or higher

This course covers the principles of meat cookery, pastry and yeast bread preparation, soups and sauces, and management of food resources. The students will use the food preparation skills they are further developing to prepare a meal for a guest within a set food budget. During the soup unit they will participate in the annual "Advanced Foods Chili Cook-Off" contest.

CULINARY ARTS

(1 CREDIT)
GRADE 10-12 ELECTIVE

Prerequisite: Basic and Advanced Foods

As a class, we will be forming a "mock" restaurant during our class time with the intention of serving a four or five course meal at least once a month. Class members will learn about different careers in the food service industry by actually planning and serving meals, doing the work of different work stations found in a "fine dining" restaurant setting, and learn how to develop a business plan for the restaurant. Students will also have an opportunity to develop their leadership skills in the worksite by being responsible in various workstations of the "mock" restaurant.

CHILD DEVELOPMENT

(1 CREDIT)
GRADE 9-12 ELECTIVE

This course covers intellectual, physical, social and emotional development of a child from conception through adolescence. It discusses readiness for parenting, parenting techniques, guidance of children and various childcare options. Part of the class time will be spent exploring careers in childcare. Students will have the options of

experiencing the "Empathy Belly", care and handling of the "Real-Care" babies, and opportunities to work with children in day-care or school settings.

TEXTILES

(1 CREDIT)

GRADE 9-12 ELECTIVE

This class will emphasize two areas of the creative arts, textile arts, and home interior design. Students will experience a variety of needlework techniques that will give them the skills necessary to construct handmade articles for enjoyment and home decoration. They will also construct a garment or home accent item using a standardized pattern and the sewing machine. The class will also use the basic sewing construction skills they have developed to create a service-learning project. Individualized projects emphasizing clothing design, textile design, interior design, or landscape design will be completed to further expose students to career opportunities in the creative arts world.

FOREIGN LANGUAGE

SPANISH I

(2 CREDITS)

GRADE 9-12 ELECTIVE

Prerequisite: Strongly recommended to have at least a "C+" average in English

Students will learn the basics of communication in the Spanish language. The focus of the class will be on developing the skills of speaking, listening, reading, and writing in Spanish for use in real world situations. This course also includes study of culture in the Spanish speaking world.

SPANISH II

(2 CREDITS)

GRADE 10-12 ELECTIVE

Prerequisite: Completion of Spanish I with a grade of "C" or better

Students will further their ability to communicate in Spanish. Again, the focus of the class is on developing the skills of speaking, listening, reading, and writing in Spanish for use in real world situations. There will be an emphasis on class and small group discussion. This course also includes study of culture in the Spanish speaking world.

SPANISH III

(2 CREDITS)
GRADE 11-12 ELECTIVE

Prerequisite: Completion of Spanish II with a grade of “C” or better

Spanish III is designed for students with a sincere interest in learning Spanish. Students will be able to communicate on an advanced level in Spanish through developing the skills of speaking, listening, reading, and writing in real world situations. There is a greater emphasis on reading than in previous levels. Again, students will also be exposed to the culture of the Spanish speaking world.

SPANISH IV

(2 CREDITS)
GRADE 12 ELECTIVE

Prerequisite: Completion of Spanish III with a grade of “C” or better

Spanish IV is designed for students with a sincere interest in learning Spanish. This course will prepare students for the study of Spanish in college. Students will continue to develop high level skills in speaking, listening, reading, and writing. Students will be exposed to the works of well known authors in the Spanish speaking world.

MATHEMATICS

*Freshmen may choose from Pre-Algebra or Algebra I. If Algebra was completed in 8th grade with a “C” or better both semesters, the student may take Geometry as a freshman. Students completing Algebra I in 8th grade will be required to complete three additional years of math in high school. High school elective credit will be given for Algebra I completed 8th grade with a “C” or better both semesters, but the grades will not count in the high school GPA. (Student with a “C” will need teacher recommendation and/or an appropriate standardized test score to advance to the next level.)

BUSINESS MATH

(2 CREDITS)
GRADE 12 ELECTIVE
GRADE 11 with Teacher Approval

This class reinforces general math skills, emphasizes accuracy in computations, and applies these skills in a variety of business and everyday applications. Business Math reinforces rational numbers, measurement, and basic statistics. In addition, these skills will be applied to business problems and situations: wages, hourly rates, payroll

deductions, sales, receipts, accounts payable and receivable, financial reports, discounts, and interest.

PRE-ALGEBRA

(2 CREDITS)

GRADE 9-11 ELECTIVE

This class is designed to develop the fundamentals of mathematics and introduce basic algebraic concepts. This course also includes many lab activities that apply mathematics to daily situations.

PRINCIPALS OF ALGEBRA

(2 CREDITS)

GRADE 10-12 ELECTIVE

Prerequisite: Pre-Algebra

This class will provide additional preparation for concepts learned in Pre-Algebra. Additional math, algebra, and geometry concepts will be introduced, and many lab activities will be included to help build math skills.

ALGEBRA I

(2 CREDITS)

GRADE 9-12 ELECTIVE

Algebra I will provide each student with a background of fundamental algebraic operations as a means of solving everyday problems. A balance between theory and practice is used. Students will become familiar with polynomials, equations, inequalities, functions, and relations. A student must receive a passing grade the first semester in Algebra in order to continue into the second semester.

GEOMETRY

(2 CREDITS)

GRADE 9-12 ELECTIVE

Prerequisite: High School Algebra I with a "C-" or better; or 8th Grade Algebra I with a "B" or above both semesters (Students with a "C" will need teacher recommendation.) Geometry is the study of properties, concepts, and relationships of both plane and solid geometric figures. Skill is developed in the use of the tools of geometry as the student learns to devise geometric constructions. Course work includes the principles of algebra as applied to geometric variables. A student must receive a passing grade the first semester in Geometry in order to continue into the second semester.

ALGEBRA II

(2 CREDITS)
GRADE 9-12 ELECTIVE

Prerequisite: Algebra I and Geometry with a “C-“ or better

Algebra II is a continuation of Algebra I with emphasis on more advanced topics and includes some work with analytic geometry and trigonometry. The course is designed for all students planning to attend college and for others interested in advanced work in mathematics. A student must receive a passing grade the first semester in Algebra II in order to continue into the second semester.

FUNCTIONS, STATISTICS, & TRIGONOMETRY

(2 CREDITS)
GRADE 10-12 ELECTIVE

Prerequisite: Algebra II with a “C-“ or better

FST is a course for college bound students. The following topics will be covered: functions, systems of equations, graphs, logarithms, statistics, combinatorics, and trigonometry. Students should have their own Texas Instruments Graphing calculator, Model TI-82 or newer.

PRE-CALCULUS

(2 CREDITS)
GRADE 11-12 ELECTIVE

Prerequisite: Functions, Statistics, & Trigonometry with a “C” or better

Pre-Calculus is a course for college bound students that explores the interpretation of graphs and tables through the use of calculus as well as analytic methods. Derivatives and definite integrals are interpreted through the use of application and mathematical means. Convergence and divergence of series are interpreted graphically. The use of technology is integrated throughout the book to provide a balanced approach to the learning of calculus that involves algebraic, numerical, graphical, verbal, and written methods.

LANGUAGE ARTS

ENGLISH 9

(2 CREDITS)
GRADE 9 REQUIRED

The student will read classical, traditional, and modern literature selections with emphasis on plot development, characterization, and vocabulary studies. Writing exercises to improve sentence construction and paragraph development will follow a review of basic grammar, usage, and mechanics. Spelling is also emphasized in English.

ENGLISH 10

(2 CREDITS)

GRADE 10 REQUIRED

English 10 includes studies in both literature and composition. In literature, the student will study short stories, prose forms, Shakespearean drama, modern drama, the novel, and poetry. In writing, the students will study sentence construction and paragraph writing. The students also touch on the basic characteristics of style development. A continued study of grammar, usage, mechanics, vocabulary, and spelling will also be emphasized. Extensive use of the computer for word processing is mandated for writing assignments.

AMERICAN LITERATURE I AND II

(2 CREDITS)

GRADE 11 REQUIRED

This course surveys American literature from the writings of Native Americans and our founding fathers to the diversity of contemporary authors. The course contains classical, traditional, and modern selections, complemented with aids that develop the necessary skills for understanding and appreciating literature. Discussion questions, author biographies, vocabulary study, and unit reviews permit students an opportunity to expand their knowledge of American writers. Emphasis is placed on those American writers who have had a profound effect on literary history. Units in grammar, usage, and composition are also included in this course.

LANGUAGE LAB

(1-2 CREDITS)

INTENDED NON-PROFICIENT READING STUDENTS

This class is designed to increase reading proficiency through intensive study. The focus will be on vocabulary, reading comprehension, read aloud/ think aloud and modeled reading strategies. Students will be required to read twelve books a semester. They will be required to read twenty minutes outside of class five times a week. This class is design to increase reading comprehension. Jamestown and Stanford placement tests will be given.

DRAMA

(1 CREDIT)

GRADE 10-12 ELECTIVE
GRADE 9 with Teacher Approval

Prerequisite: "C" grade average in English

This course is a one-semester Fine Arts elective for students with a strong interest in the theater arts. The class will consist of an overview of theatre history, play reading and analysis, an application of stage make-up, an introduction to acting and performance, and a survey of technical theatre, including costume, lighting, and set design and construction. The class will be required to work on current school productions.

SPEECH

(1 CREDIT)
GRADE 10-12 ELECTIVE
GRADE 9 with Teacher Approval

Prerequisite: "C" average in English

The primary objective of this introductory course is to provide the student with many different opportunities to communicate with fellow students while improving basic public speaking skills. Public speaking involves research, outlines, speech development, delivery, and analysis. Individual speeches designed to inform, to entertain, and to demonstrate will be given using both the extemporaneous and the impromptu formats.

ADVANCED WRITING

(1 CREDIT)
GRADE 11-12 ELECTIVE

Prerequisite: "B" average in English, or strong English skills with teacher approval

Advanced writing is a comprehensive, composition-based course that includes study in the following: expository, creative, cause and effect, and persuasive writing. Students begin with paragraph writing and advance to longer forms of writing. Grammar, usage, and mechanics are emphasized along with vocabulary. During the term paper session, students write various short papers before beginning the researched report (following Modern MLA style).

JOURNALISM

(2 CREDITS)
GRADES 11-12 ELECTIVE

Prerequisite: "B" average in English or strong English skills with teacher approval

Journalism is a course designed to fill the publications needs in the high school. The material covered enables a student to work on the newspaper and the yearbook. Students are given sufficient instruction in gathering and writing news articles for the paper as well as instruction in layout and design for the yearbook. Students wishing to take this course for a second year may do so but will not receive English credit for it.

WORLD LITERATURE

(1 CREDIT)
GRADE 12 ELECTIVE

Prerequisite: Successful completion of American Literature I and II

This upper level course is designed for college-bound seniors and will emphasize comprehension, discernment, and critical thinking skills in the reading of texts and literature. More advanced literary techniques are introduced and explored with the aim of creating sophisticated readers.

Students will produce numerous projects, write an expository paper, and be responsible for preparing themselves for quizzes and testing.

CREATIVE WRITING

(2 CREDITS)
GRADES 9-12 ELECTIVE

Prerequisite: ITBS/ITED in the 95th percentile or higher & cum. GPA of 3.5 or higher

Creative Writing is a class designed for Talented and Gifted students who are interested in attending college and would like ways to prepare for that experience. Participation and success in this class depends largely on students' motivation to succeed, time management skills, and often work ethic outside of class time. Creative Writing projects include "green" product invention; original movie scripting, filming, editing, and presenting; short story writing; internet blogging; and so on.

PHYSICAL EDUCATION

Physical education is required one semester per year for all students. They may choose one of the three options listed below. Students are required to wear tennis shoes and provide their own gym clothes.

AEROBIC ACTIVITIES

(1 CREDIT)
GRADES 9-12

This course is designed to develop the student's fitness level and to increase the student's knowledge of selected fitness concepts through the use of walking, jogging, and selected video workouts.

TEAM ACTIVITIES

(1 CREDIT)
GRADES 9-12

This course is designed to provide students with the skills and knowledge to participate in a variety of team activities, develop a feeling of belonging to a group, and demonstrate teamwork to achieve a desired outcome. Students will demonstrate the concepts of team play and develop fitness awareness through team activities.

WEIGHT TRAINING

(1 CREDIT)
GRADES 9-12

Weight Training will develop a student's skills with free weights and universal stations. Basic principles concerning anatomy and muscle groups will be covered.

SCIENCE

PHYSICAL SCIENCE

(2 CREDITS)
GRADE 9-10

This course is a freshman level study of science concepts, scientific principles, the properties of matter and energy and the devices that illustrate technical applications. Topics emphasized include atoms and molecules, motion, heat, light, sound, mechanical energy, and basic chemistry. Demonstrations and some laboratory work are integrated into this course.

BIOLOGY

(2 CREDITS)
GRADE 9-10

GRADE 9 with Teacher Approval

This course is established so that students should obtain a mastery of certain fundamental biological concepts. From these initial understandings, the student should then progress from cell, to protists, to plants and animals, and to man.

ADVANCED BIOLOGY

(1 CREDIT)
GRADE 10-12 ELECTIVE

Prerequisite: Biology with a "C+" or better, or permission of instructor

This course will be a terminal course that will concern the student with the problems facing man and his environment, touching on microbiology, ethology, ecology, and genetics.

ENVIRONMENTAL STUDIES

(1 CREDIT)

GRADE 10-12 ELECTIVE

Prerequisite: Biology with a "C" average, or permission of instructor

Environmental Studies is a one-semester class focusing on the value of our environment. The different types of pollution causes and results are covered along with solutions to environmental problems.

ANATOMY & PHYSIOLOGY

(2 CREDITS)

GRADE 10-12 ELECTIVE

Prerequisite: Biology with a "C+" or better, or permission of instructor

This course is designed to familiarize students with the structure of the human body and to prepare those who are interested for further specialized work in the field. There will be an intensive vocabulary load that must be mastered in order to understand the physiological concepts clearly and concisely. Experiments will follow the chapter sequence. Units covered are: introduction to anatomy, disease processes, skeletal system, muscular system, and nervous system.

PHYSICS

(2 CREDITS)

GRADE 10-12 ELECTIVE

This course is intended for the student with an interest in scientific thought and thought processes. It is in essence the story of men's search for the mysteries of the atom through the reasoning and development of the natural regarding tangibles such as mechanics, time, space, light, sound, and electricity. Lab work and independent research are an integral part of the course.

CHEMISTRY

(2 CREDITS)

GRADE 10-12 ELECTIVE

Prerequisite: Algebra

This is a fundamental investigation of the nature of matter and simple relationships that exist between types of matter. Equations, atomic structure, industrial preparations, and

solutions are studied factually and mathematically. The study of laboratory techniques and manipulations is aided by the presence of modern, fully equipped facilities.

ADVANCED CHEMISTRY

(2 CREDITS)
GRADE 11-12 ELECTIVE
IWCC DUAL CREDIT

Prerequisite: Chemistry and Required Test Scores

General Chemistry I is first of a two-semester sequence and covers the fundamentals of chemistry. Topics include: structure of the atom, chemical bonding, stoichiometry, and kinetic theory of matter as applied to gases, liquids, and solids. Laboratory is required. General Chemistry II covers the fundamentals of chemistry. Topics studied include solutions, acid-base chemistry, kinetics, chemical equilibrium, thermodynamics, electrochemistry, and an introduction to organic chemistry. Laboratory is required. 10 IWCC college credit hours granted upon successful completion of both semesters.

SOCIAL SCIENCES

WORLD GEOGRAPHY

(1 CREDIT)
GRADE 9 REQUIRED

This is a semester course dealing with a cultural/political approach to the nations of the world. Students will also be expected to learn where these nations are located.

WORLD HISTORY

(2 CREDITS)
GRADE 10-12 ELECTIVE
GRADE 9 with Teacher Approval

The function of World History is vital. We are living in a world and not merely a city, a state, or just a nation. How did this social, economic, and political society that we know come into being? Where are we now in the world's life, chronologically, individually, nationally, economically, and in every other respect? No other subject can furnish the opportunity for an appreciation of times and peoples, past, present, and even future.

AMERICAN HISTORY

(2 CREDITS)
GRADE 11-12 REQUIRED
GRADE 10 with Teacher Approval

This course includes a survey of persons and events contributing to the building of our country. Man and his activities are studied to better understand how and why our conditions and institutions are developing in the present manner.

HONORS HISTORY

(1 CREDIT)

GRADE 11-12 ELECTIVE

This course acquaints students with the social, economic, and political forces that have helped to shape the world today. This class will focus on history's impact on today and in-depth research on historical events and people. Course instruction will primarily be dependent on student research and presentation. Focus will be on making connections from our history past to our present and future.

AMERICAN GOVERNMENT

(1 CREDIT)

GRADE 12 REQUIRED

GRADE 11 with Teacher Approval

American Government is directed toward giving the student a foundation in the nature of our government. Since government is unstable, subject to change with each new generation, it is hoped that the student will grasp an understanding of how our laws are made and how they may be changed.

EXPLORING TEACHING

(2 CREDITS)

GRADE 12 ELECTIVE

As part of the Education Academy, the Exploring Teaching Course provides students with the opportunity to explore the teaching profession through discussion, reflection and participation in K-12 classrooms. The components of the class will include the following: the role of schools and educators in communities and society at large; the process of developing an understanding of how students learn and implementing effective strategies for meeting educational goals; the important role of communication, collaboration and decision making within the teaching profession; the use of technology in education. The course will also include a variety of field experiences and the opportunity to participate in a professional organization. Upon the successful completion of the one year course, students will be eligible to apply for the Iowa Para-educator Generalist Certificate. (This is a one year exploratory course to be part of the College Preparatory Sequence; it's not for dual credit.)

LEADERSHIP

(1 CREDIT)

GRADE 11-12 ELECTIVE

This course will cover the following topics: communicating effectively in front of others, facilitating a discussion, organizing an event, delegating duties, utilizing time effectively, prioritizing a series of tasks, defining goals, working effectively with others, listening effectively, resolving conflict, and adapting to environments/situations. Students will create ideas on how to improve MVHS (e.g. - new clubs, new equipment, school rules, etc.) and then try to implement these improvements to make our school better.

INDUSTRIAL TECHNOLOGY

BEGINNING WOODS

(1 CREDIT)

GRADE 9-12 ELECTIVE

This course will be devoted to the development of good plans to follow when making a project, calculating board feet, and writing a bill of materials. Students will learn the importance of developing cooperation, communication, and responsibility with others when working in groups. The students will demonstrate their ability to safely use the hand and power tools in the shop by drawing the plans and the construction of several required projects. Pine wood will be provided at no cost, but a student may choose to purchase an alternative hardwood if he or she desires.

EXPLORING TECHNOLOGY

(1 CREDIT)

GRADE 9-12 ELECTIVE

In today's workplace students must have an understanding and a sense of application for technology that includes reading for interpretation and applying science and math concepts. A technology laboratory challenges students to discover the underlying principles of technology. Students in these classes will work in teams in company style format involving a continuous improvement style of management.

METAL WORKING

(1 CREDIT)

GRADE 9-12 ELECTIVE

Metals emphasize basic information on tools, materials, machines, and procedures used in metalworking. Both hand and power machine tool operational skills will be covered. The units covered include sheet metal, bench metal, safety, and drafting. Students will be expected to design and draw a sheet metal project. A sheet metal toolbox will be made.

MECHANICAL DRAFTING

(1 CREDIT)

GRADE 10-12 ELECTIVE

Students will learn the basics of drafting and the proper use and care of drafting equipment. The students will work with geometric description, orthographic projections, and dimensioning of drawings. Computer aided drafting (CAD) will be utilized as well. Students will supply their own pencils and erasers and other equipment will be provided. A lab fee will be assessed.

ARCHITECTURAL DRAFTING

(1 CREDIT)

GRADE 10-12 ELECTIVE

Students will become familiar with the terms associated with the building of a house and the history of design. After drawing details of house parts in order to become familiar with conventional construction techniques, students will prepare floor plans of a single story house with a basement. Students will dimension the floor plan, draw elevational views as well as prepare the electrical schemes. Computer aided drafting (CAD) will be utilized as well. Drafting equipment will be provided, but students will supply their own pencils and erasers. A lab fee will be assessed.

ADVANCED WOODS

(1 CREDIT)

GRADE 10-12 ELECTIVE

Prerequisite: Beginning Woods

Advanced Woods is designed to hone and develop woodworking skills that were introduced in beginning woods. A knowledge of drafting is needed since students will be designing and drawings their own projects. Students will take their projects from concept to completed product. They will calculate materials and costs. Students will be required to purchase their own materials.

PRINCIPLES OF BUILDING CONSTRUCTION I

(3 CREDITS)

GRADE 11-12 ELECTIVE

IWCC DUAL CREDIT

Prerequisite: Beginning and Advanced Woods

This course is designed to develop a basic understanding of construction. Students will be introduced to basic skills and knowledge needed in construction. Students will build a small structure as well as work with concrete, roofing, siding, and a variety of other materials and tasks. Students will be required to draw and plan a project from start to finish. This class is open to any student who has taken Advanced Woods and it is preferred that the student has taken Architectural Drafting.

HEALTH SCIENCE

The vocational Health Science program will provide students with transferable skills and technical experience to meet the needs of the rapidly expanding health care industry. Students are actively involved in Health Occupations Students of America (HOSA) and will represent themselves and the school through competition of knowledge acquired in the classroom at the state and national levels. In order to be considered for this program, students will need to complete an application.

HEALTH SCIENCE I

(4 CREDITS)
GRADE 11-12 ELECTIVE
IWCC DUAL CREDIT

Recommended Prerequisite: Biology & cum. GPA of 2.75

Student will have a basic introduction to the history of health care, health care systems, professionalism, and legal and ethical responsibilities of the health care worker. The communication process will be introduced as well as an understanding of patients' needs and behaviors. First Aid and CPR certification will be attained; one Iowa Western credit is available for this portion of the class.

MEDICAL TERMINOLOGY

(4 CREDITS)
GRADE 12 ELECTIVE
IWCC DUAL CREDIT

Required Prerequisite: Health Science I ("C" or better & permission of instructor) & Anatomy & Physiology

Medical Terminology is the language of health care and provides transferable skills for the student regardless of the health career they pursue. This course gives the student a working knowledge of the roots, prefixes and suffixes or commonly used medical terms related to anatomy, physiology, pathology, diagnostics, and treatments. Emphasis is placed on the correct spelling and pronunciation of the vocabulary. This course is designed to provide the student with an opportunity to shadow in health careers, increased leadership opportunities, public health teaching, and health maintenance practices.

VOCAL MUSIC

MIXED CHORUS

(1 CREDIT)
GRADE 9-12 ELECTIVE

Any student wishing to be involved in vocal music is accepted into Mixed Chorus. From this group, a Women's Chorus and Men's Chorus will be formed and will rehearse during the same class period. This structure enables the chorus to learn their material quickly, allowing the groups to perform challenging music.

INSTRUMENTAL MUSIC

CONCERT BAND

(1 CREDIT)
GRADE 9-12 ELECTIVE

Concert Band includes the following ensembles, Pep Band and small ensembles. The band rehearsals and individual lessons (available if the student desires extra instruction) help students continue in their development of sight-reading skills, tone quality, intonation, phrasing, interpretation, and performance technique. Students enrolled are required to participate in the scheduled performances (which are a major portion of their grade).

Pep/Marching Band performs at home games. These are required performances unless the student has a special circumstance that prevents his/her participation. It is the student's responsibility to discuss this with the director. The music played at these functions is contemporary.

SUMMER DRIVER EDUCATION

DRIVER EDUCATION

(.5 CREDIT)
GRADE 9-12 ELECTIVE

Missouri Valley High School will offer a driver's education program in the summer. To be eligible, a student must pay the fee established by the Missouri Valley School Board, be at least 14 years of age before the first class meeting, and possess a valid Iowa Learner's Permit. The course follows the Iowa Department of Transportation code consisting of 30 hours of class instruction and 6 hours of behind-the-wheel driving instruction.