

MMCRU Royals

A Guide to Course Selection & Program Planning (9-12)

2016-2017



School Colors:

Blue/White

School Mascot:

Royals

MMCRU High School

Principal: Mr. Jason Toenges

MMCRU High School

Please note: This course guide is subject to change without notification. Some courses may be offered and others may not be. This will be determined on enrollment and availability.

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Graduation Information

Diplomas

Each student who attends MMCRU will follow the following diploma plan.

MMCRU Diploma: (52 credits) Required: Math 6 credits (8th grade Algebra will not count for high school credit but will fulfill the Algebra I required course), English 8 credits, Science 6 credits, Social Studies 6 credits, PE 4 credits, Health 2 credits, Speech 1 credit, Guidance 1 credit, Workplace Readiness 2 credits

**All students will be required to take 7 credits per semester

Required: 36 credits

Elective: 16 credits

Math:

Required Courses: Algebra I, Geometry

Electives: Algebra II, Pre-Calculus, Calculus, Statistics, Business Math

English:

Required Courses: English 9, English 10, English 11, English 12 or Composition I/II

Electives: Writing I, Writing II, Journalism, Introduction to Literature, Modern Literature, World Literature

Science:

Required Courses: General Science, Biology

Electives: Chemistry, Physics, Integrated Physics, Environmental Science, Anatomy

Social Studies:

Required Courses: World History, U.S. History, Government

Electives: Economics, AP U.S. History, Early U.S. History, World Geography I/II, People and History I/II, Current Issues, Civics

Speech:

Required: Speech 1 credit

Guidance:

Required: Careers 1 credit (1/4 credit per year enrolled)

Business:

Required: Workplace Readiness 2 credits

Physical Education

Required: PE (4 credits), Health (2 credits)

Must be enrolled each semester in school (unless given an academic waiver & participate in a sport)

** Class of 2018/Class of 2017

- Certain coursework may be waived due as these two classes were under previous diploma guidelines. Waivers will be evaluated by MMCRU administration and will be granted on a case by case basis.

English

English 9 Credits: 2 Grade Level: 9 Term: Year Required

English 9 builds upon students' prior knowledge of grammar, vocabulary, word usage, spelling and the mechanics of writing. The course includes include the four aspects of language use: reading, speaking, writing, and listening. The course also introduces and defines various genres of literature, with thematic writing exercises often linked to reading selections along with general journaling experiences.

English 10 Credits: 2 Grade Level: 10 Term: Year Required

Prerequisite: English 9

English 10 offers a focus on composition and literature. Students review grammar, vocabulary, word usage, spelling, and mechanics through various journaling and other writing assignments. Through the study of various genres of literature, students can improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver his or her message.

English 11 Credits: 2 Grade Level: 11 Term: Year Required

Prerequisite: English 10

Junior American Literature is a combination of writing, and literature. Throughout the year students will have the opportunity to study different forms of American writing; analyzing and connecting the story, theme, and literary elements to history. Students will also be writing extensively throughout the course of the year. Most assessments will be completed in written form, as well as project based.

English 12 Credits: 2 Grade Level: 12 Term: Year Required/Elective

Prerequisite: English 11

Senior English is a class dedicated to analyzing different forms of literature within media genres. Throughout the semester, students will view and analyze different aspects of media. Discussion will be a main focus within this class. Students will analyze and discuss the impact of media within our world, as well as write about their daily experiences.

College Composition I Credits: HS 2 - College 3/semester Grade Level: 12 Term: Year Required/Elective

Prerequisite: English 11; ACT Composite of 22 – English Subscore of 18 or CPT Sentence Structure 86

This is a face-to-face course that focuses on developing written communication skills through various experiences including expository and persuasive writing, and research papers. Instruction will also include basic research and documentation skills.

College Composition II Credits: HS 2 - College 3/semester Grade Level: 12 Term: Year Required/Elective

Prerequisite: Composition I

This is a face-to-face course that focuses on developing advanced writing skills in order to compose analytical and persuasive essays. You will use advanced research and critical thinking skills to respond to and compose essays based on current issues and enduring questions.

Speech Credits: 1 Grade Level: 9-12 Term: Semester Required

Prerequisite: English 9

This class is a practical course designed to offer the novice speaker a number of opportunities to organize and prepare public speaking assignments. Students will learn about the role of communication in our lives, the communication model, spatial relationships, delivery styles, and the effectiveness of language, gestures, and organization techniques. Students will also receive tips to alleviate anxiety of speaking in public, the number one fear among adults.

Journalism I/II Credits: 2 Grade Level: 11/12 Term: Semester Elective

Prerequisite: English 10

Journalism I provides students with the knowledge and skills necessary to produce the school newspaper, which appears in the MMCURU News. Students may gain experience in several components (writing, editing, photography, interviewing, etc.) or may focus on a single aspect while producing the publication.

Writing I Credits: 1 Grades: 11/12 Term: Semester Elective

Writing I focuses on the technical parts of writing, such as grammar, structure, and formatting. This course will teach students to use writing within the world of work, as well as common means of writing. During the semester, students will have opportunities to see and create different styles of writing, such as: cover letters, letters of intent, recommendations, etc. This semester class will also focus on the process of writing in relation to each type of writing.

Writing II Credits: 1 Grades: 11/12 Term: Semester Elective

Writing II focuses on different genres of writing and their specific techniques. Throughout the semester, students will have opportunities to write in their own ways, as well as learn how to write in different types of genres such as narrative, memoir, and poetry. Daily journals and personal writings will be a large part of the class.

College Introduction to Literature Credits: 1 Grades: 11/12 Term: Semester Elective

This is a face-to-face course. An introduction to the study of short fiction, poetry, and drama.

Modern Literature Credits: 1 Grades: 11/12 Term: Spring Semester Elective

Modern Literature is a survey course of contemporary fiction, articles, newspaper, and film. The emphasis is placed on the development of critical reading and writing skills. Instructional practices incorporate viewing texts through various "lenses" such as: Marxist, Gender, Psychoanalytical, Reader-Response, and Deconstruction. The reading, critical thinking, and cooperative learning emphasized will allow students to read and form views on all types of literature.

World Literature Credits: 1 Grades: 11/12 Term: Fall Semester Elective

World Literature is a semester class focusing on different cultural and geographical authors and writing. Throughout the semester, students will learn how culture and personal issues make an impact on the writer's and readers' view of certain situations. Students will be reading, reacting, and analyzing different types of writing from all over the world. Daily journals, class discussion, and personal writings will be a large part of the class.

Math

Algebra I Credits: 2 Grade Level: 8/9/10 Term: Year Required

Algebra I covers topics that include the study of properties and operations of the real number system, solving linear equations and inequalities including translating word problems into equations and solving real world problems, operations with functions and patterns, graphing linear equations, solving systems of linear equations and inequalities, operations with and factoring of polynomials, and solving simple quadratic equations. A TI-83 or TI-84 graphing calculator is required.

Geometry Credits: 2 Grade Level: 9-12 Term: Year Required

Prerequisite: Algebra I

Geometry is for students who have completed Algebra I. Topics covered include properties of geometric shapes such as polygons and circles, construction, congruence, isometries, area, volume, Pythagorean Theorem, similarity, right triangle trigonometry, and geometric proof. A TI-83 or TI-84 graphing calculator is required.

Algebra II Credits: 2 Grade Level: 10-12 Term: Year Elective

Prerequisite: Geometry

Algebra II is for students who have successfully completed Algebra I. First-degree equations and inequalities, linear relations and functions, and solving systems of equations and inequalities are reviewed. In addition, topics covered include graphing of constant, linear, step, piecewise and quadratic functions; solving higher degree equations, linear programming, matrices, quadratic functions and inequalities, polynomial functions, solving radical equations and inequalities, rational and irrational expressions and equations, conic sections, and probability. A TI-83 or TI-84 graphing calculator is required.

Pre-Calculus Credits: 2 Grade Level: 11/12 Term: Year Elective

Prerequisite: Algebra II

Pre-Calculus is for students who have completed Algebra II. The student will learn the concepts and skills that are prerequisite for calculus. Topics covered include linear relations and functions, systems of equations and inequalities, matrices, polynomial and rational functions, circular functions, trigonometry, polar equations, exponential and logarithmic functions, probability, and vectors. A TI-83 or TI-84 graphing calculator is required.

Calculus Credits: 2 Grade Level: 11/12 Term: Year Elective

Prerequisite: Pre-Calculus

This course is strictly intended for college bound students and will better prepare students for college calculus courses. The study of calculus will involve the limit process, derivatives, integrals, exponential and logarithmic functions, along with vectors and a general algebra review. It is recommended that students have at least a B average in all other math courses before taking this course. A TI-83 or TI-84 graphing calculator is required.

Statistics Credits: 2 Grade Level: 11/12 Term: Year Elective

Prerequisite: Algebra II

An introduction to the theory and applications of statistics. Topics include measures of central tendency and variability, probability distributions, confidence intervals, hypothesis testing, linear regression, correlation, analysis of variance and nonparametric statistics. A TI-83 or TI-84 graphing calculator is required.

Business Math I/II Credits: 1/2 Grade Level: 11-12 Term: Semester/Year Elective

Prerequisite: Geometry

Business Math is a course in which students will explore fundamental mathematical concepts such as basic order of operations, real numbers, percent, measurement, calculator usage, fractions, decimals, problem solving, ratios, and proportions. We will cover "real-life" topics such as taxes, personal finance, purchasing, finance, fitness, housing, insurance, transportation and investment. This course features examples in a problem-solving format that allows students to use mathematical skills in consumer situations.

Social Studies

World History Credits: 2 Grade Level: 9 Term: Year Required

World History is an overview course that provides students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. This course includes geographical studies, but often these components are not as explicitly taught as in cultures classes.

World Geography I/II Credits: 2 Grades 9-12 Term: Year Elective

This class will be divided into two, one semester courses with semester one beginning with a basic understanding about the concepts of the types of geography and an in-depth look of the physical, human, and historical geography of the western hemisphere. The second semester will continue to look at the countries of the eastern hemisphere on the continents of Europe, Africa, Asia, and Antarctica.

U.S. History Credits: 2 Grade Level: 11-12 Term: Year Required

The major focus of the course is on the United States from the Reconstruction Period to the Obama Administration. Students will study the Reconstruction, the Titans of Industry in America, WWI, the Roaring '20's, the Great Depression, WWII, the Cold War, the Korean War, the Civil Rights Movement, the Women's Movement, Vietnam, the Gulf War, 9/11, and the 21st Century.

AP U.S. History Credits: 2 Grade Level: 11-12 Term: Year Elective

**Can be taken instead of U.S. History to fulfill requirement

The AP U.S. History course focuses on developing students' understanding of American history from approximately 1491 to the present. The rigorous course has students investigate the content of U.S. history for significant events, individuals,

developments, and processes in nine historical periods, and develop and use the same thinking skills and methods (analyzing primary and secondary sources, making historical comparisons, chronological reasoning, and argumentation) employed by historians when they study the past. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places.

U.S. Government Credits: 1 Grade Level: 11-12 Term: Semester Required
This course provides an overview of the structure and functions of the U.S. government and political institutions and examines constitutional principles, the concepts of the rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process. These courses may examine the structure and function of state and local governments and may cover certain economic and legal topics.

Economics Credits: 1 Grade Level: 11-12 Term: Semester Elective
Economics provides students with an overview of economics with primary emphasis on the principles of microeconomics and the U.S. economic system. These courses may also cover topics such as principles of macroeconomics, international economics, and comparative economics. Economic principles may be presented in formal theoretical contexts, applied contexts, or both.

People and History I Credits: 1 Grades: 9-12 Term: Semester Elective
This course will take an in-depth look at different American and World History topics each academic quarter. Topics will be discussed intensely through reading, writing, lecture, video, and/or speakers. A wide range of topics are included in this course, covering a variety of people from many different time periods.

People and History II Credits: 1 Grades: 9-12 Term: Semester Elective
This course will take an in-depth look at different American and World History topics each academic quarter. Topics will be discussed intensely through reading, writing, lecture, video, and/or speakers. A wide range of topics could be included in this course. Topics for discussion will include Ancient Greece, the Vikings, Tsarist Russia, the Renaissance, World War Two, Chinese Communism, the Vietnam War, and a variety of other people/time periods in history.

Civics Credits: 1 Grade Level: 9-12 Term: Semester Elective
Civics courses examine the general structure and functions of the American systems of government, the roles and responsibilities of citizens to participate in the political process, and the relationship of the individual to the law and legal system. These courses do not typically delve into the same degree of the detail on the constitutional principles or the roles of political parties and interest groups as do comprehensive courses in U.S. Government. These courses look at the role of government on a local level, as opposed to a national level.

Early U.S. History Credits: 1 Grade Level: 9-10 Term: Semester Elective
The focus of this course is U.S. History before and up to the American Civil War. Students will take an in-depth look at pre-colonial North America, the North American British Colonies, American Independence, Jacksonian Democracy, and a variety of other early American History topics. This course will better prepare students for U.S. History.

Current Issues Credits: 1 Grade Level: 9-12 Term: Semester Elective
Current Issues is a class that will examine many of the issues and events in the United States and around the world. The course will explore a variety of ways to express oneself in debate and writing assignments. Students will need to come prepared with an open mind and be willing to challenge and defend their viewpoints.

Science

General Science Credits: 2 Grade Level: 9 Term: Year Required
General Science courses involve the study of the structures and states of matter. This class is offered as an introductory survey course, and may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

Biology Credits: 2 Grade Level: 10 Term: Year Required

Biology is a one-year course, which studies life. Understanding life and life processes depends on mastering the unifying principles and concepts applicable to all life. This course is designed to give the student opportunity to see and understand the fundamental unity in the diversity of life forms. Life is one thing that every person has in common with every other living organism. Understanding the life functions of other organisms as well as gives each person a better understanding and appreciation of their environment.

Chemistry Credits: 2 Grade Level: 11/12 Term: Year Elective

Prerequisites: General Science & Algebra I

A college prep course designed to build on the foundation laid in Physical Science. Math background should include at least one year of algebra. The theories of matter, energy, and chemical reactions are studied in detail. Emphasis is placed on equation writing, applied math, and proper lab techniques.

Physics Credits: 2 Grade Level: 11-12 Term: Year Elective

Prerequisites: Algebra I and currently enrolled or completed Algebra II

A college prep look at applied mathematics as its principles apply both in theory and practical work. The study includes motion, forces, energy, heat, waves, and electricity.

Integrated Physics Credits: 2 Grade Level: 11/12 - Term: Year Elective

Prerequisites: Algebra I

Integrated Physics is an applied science course that provides students with an understanding of the principles of technology and the mathematics associated with them. The course will use an instructional system of audiovisual presentations, demonstrations and hands on laboratories. Each unit in the course deals with one principle as it applies in four energy systems (mechanical, fluid, thermal, and electrical). The units, also cover the mathematics needed to understand and apply the principles.

Anatomy Credits: 2 Grade Level: 11/12 Term: Year Elective

Prerequisites: Biology

Taken after biology this class offers more detail to the biological processes. Topics that may be explored include cell organization, function, and reproduction; energy transformation; human anatomy and physiology; and the adaptation of organisms.

Environmental Science Credits: 2 Grade Level: 11/12 Term: Year Elective

Environmental Science examines the mutual relationships between organisms and their environment. In studying the interrelationships among plants, animals, and humans, these courses usually cover the following subjects: photosynthesis, recycling and regeneration, ecosystems, population and growth studies, pollution, and conservation of natural resources.

Business

Workplace Readiness Credits: 1 Grade Level: 10-11 Term: Semester Required

The objective of this course is to prepare the next generation of those entering life outside of high school. In order to prepare the next generation, we will be exploring careers, developing career plans, discussing workplace ethics, sharpening teamwork and leadership skills, developing key life skills, and exposing them to the financial decisions an individual or family must make in order to earn, budget, save and spend money over time.

Personal Finance Credits: 1 Grade Level: 10-11 Term: Semester Required

This class is a study of practical personal finance. Included in the curriculum is banking services, credit, insurance, taxes, investments and consumer decision making. This is a useful course for every student who plans on earning and/or spending money.

Google Apps Credits: 1 Grade Level: 9-12 Term: Semester Elective

In this fast paced world it is important for you to be aware of the new technologies around you and for you to be able to use them effectively and efficiently whether you plan on entering college or the workforce after high school. This course will allow you to use Google Apps more effectively and efficiently so that you are more marketable in the workforce as well as more prepared for the ever changing world around you.

Introduction to Business I/II Credits: 1 Grade Level: 9-12 Term: Semester Elective

This introductory business class provides complete instruction in business concepts and skills students need in today's competitive business environment. This class offers extensive coverage in major business concepts in the areas of Finance, Marketing, Operations, and Management. Students will gain valuable information and skills to take with them to the workplace, as well as preparation for success in the business world.

Accounting I/II Credits: 1 Grade Level: 9-12 Term: Semester Elective

Accounting is an essential aspect of every business institution and organization as well as a crucial skill that is helpful in everyday life. As future workers, entrepreneurs, citizens, and parents, students who understand basic accounting principles will more knowledgeably manage companies' financial resources as well as be better prepared to make the correct economic decisions that will affect their communities and their own economic futures.

Art

Introduction to Art Credits: 1 Grade Level: 9-12 Term: Semester Elective

Introduction to Art is required in order for the student to take any upper level art classes. This class provides students with the knowledge and opportunity to explore and create individual works of art. Introduction to Art focuses on the elements and principles of design and creating accompanying art projects. Students will look at famous artists throughout history as a way to learn and explore new art techniques. Art techniques and medias covered are drawing, painting, sculpture, printmaking, and clay.

Ceramics I/II Credits: 1 Grade Level: 9-12 Term: Semester Elective

Prerequisite: Introduction to Art

This class focuses on creating three-dimensional works out of clay. Students will learn and practice both hand-building with clay as well as using the pottery wheel. Students will learn the kiln firing process and using glaze to finish their projects.

Crafts Credits: 1 Grade Level: 9-12 Term: Semester Elective

Prerequisite: Introduction to Art

Students will be introduced to a wide range and variety of craft skills and techniques. Focus will be on creating art for the sake of art. Possibilities include paper-mache, collage, piñatas, wood painting, scrapbooking, and many modern crafts used at the teacher's discretion.

Drawing I/II Credits: 1 Grade Level: 9-12 Term: Semester Elective

Prerequisite: Introduction to Art

Drawing class will focus on learning new and advanced technical drawing skills. Drawing primarily deals with two-dimensional work. Students will work with several different media such as pen, pencil, and chalk. Students will focus on still-life and human figure drawing. Drawing II will focus on advanced techniques with opportunities to explore self-chosen drawing topics.

Painting I/II Credits: 1 Grade Level: 9-12 Term: Semester Elective

Prerequisite: Drawing

Students will explore and be exposed to artists throughout history focusing on different styles, techniques and painting medias. Students will create two-dimensional work in areas such as watercolor, tempera, oils, and acrylics. A solid basis of drawing is required to learn the painting process more effectively.

Studio Art Credits: 1 Grade Level: 11-12 Term: Semester Elective

Prerequisites: Instructor Approval

This senior-level course is considered the finale to the visual art program. It focuses on two and three-dimensional features of art and is primarily an individual class. Students will plan with the teacher their focus area for the semester research and create individual art projects. Projects may include: drawing, painting, ceramics, sculpture, as well as school betterment projects like murals. Creating and building upon a student's art portfolio can be done as well as preparing for an art-related education or career.

Guidance

Careers ¼ Credit/Year – independent study Grade Level: 9-12 Term: Year Required

This web-based course is required for all students who are exploring a future academic program or career choice. Through the process of self-exploration and career planning, students will learn how to match personal needs and expectations with satisfying career options. Students will learn self-assessment skills, research major and career alternatives, and make decisions based upon sound factual information, utilizing a variety of resources. I Have A Plan Iowa will be a focus, as well as ACT and resume preparation.

Internship Credits: 1 Grade Level: 12 Term: Semester Elective

Prerequisite: Workplace Readiness

This course is designed to give students an opportunity to job shadow in their field of interest. Students will be paired with a local business and will have to work in that internship for the semester to receive credit.

Family and Consumer Sciences

Foods I Credits: 1 Grade Level: 9-12 Term: Semester Elective

This is a semester course that covers but is not limited to kitchen safety, measuring techniques, MyPlate, nutrients, food labels, brand name foods vs. store name brands foods, quick breads, cakes, introduction to proteins, vegetables, fruits, and introduction to milk products. Students are involved in real world application and do kitchen lab work. Foods I must be taken before Foods II or Foods III

Foods II Credits: 1 Grade Level: 9-12 Term: Semester Elective

Prerequisite: Foods I

This is a semester course that covers but is not limited to aesthetics, manners and etiquette, advanced meats and poultry, advanced milk products, pies, cooking on a budget, convenience vs. homemade foods, beverages, and yeast breads. Students do hands on work, real world application, and kitchen lab work. Foods I must be taken before Foods II, and Foods II must be taken before Foods III.

Foods III Credits: 1 Grade Level: 10-12 Term: Semester Elective

Prerequisite: Foods II

This is a semester course that covers but is not limited to preserving foods, food presentation, cake/cookie decorating, world foods – chinas, Mexican, German, African, Russian, etc., customs and etiquettes of these countries. Students do hands on work, real world application, and kitchen lab work. Foods I and Foods II must be taken before Foods III.

Textiles Credits: 1 Grade Level: 9-12 Term: Semester Elective

This is a semester course that is devoted to learning and perfecting the repair and maintenance of clothing. Students choose projects to work on from clothing, accessories, and quilts. The student supplies all materials and the school provides sewing machines. Subjects covered include but are not limited to careers in fashion design, textiles, and all aspects of clothing maintenance and repair.

Interior Design Credits: 1 Grade Level: 9-12 Term: Semester Elective

This is a semester course in which students learn about all aspects of interior design. Topics include but are not limited to elements and principles of design, floor plans, traffic flow, furniture design, ergonomics, client relationships and proposals, computer generated plans, kitchen and bath design, and construction basics.

Family Relations Credits: 1 Grade Level: 9-12 Term: Semester Elective

This is a semester course that covers but is not limited to self-concept, dating, marriage, balancing family and careers, management of time and money, finding and furnishing a place to live, communication and healthy cooking on a budget. Students are involved in projects and at least one service-learning project.

Child Development I Credits: 1 Grade Level: 9-12 Term: Semester Elective

This class is a semester long courses that include but are not limited to child development theorists, conception, pregnancy, birth, and birth-preschool. Must take Child Development I before enrolling in Child Development II.

Child Development II Credits: 1 Grade Level: 9-12 Term: Semester Elective

This class is a semester long courses that include but are not limited to child development preschool, school age children, adolescence, intro to parenting styles, reinforcement, and teaching of children. Students will be helping in the preschool - 3rd grade and do observations. Must take Child Development I before enrolling in Child Development II.

Parenting Credits: 1 Grade Level: 9-12 Term: Semester Elective

This is a semester course that covers but is not limited to dating and marriage, conception, pregnancy, birth, parenting styles, and building strong family concepts. Students will be wearing empathy bellies and taking care of “Real Care” babies at the end of semester.

Fine Arts

HS Instrumental Music Credits: 2 Grade Level: 9-12 Term: Year Elective

The high school band meets daily, with a focus on ensemble playing and individual musicianship. Rehearsals are devoted to preparing music for public performance. The band performs at home football and basketball games, and at pep rallies in a pep band setting. The band also performs four public concerts each year and at the spring graduation ceremony in a traditional concert setting. All band students participate in the state Solo and Ensemble Festival in April and the Large Group Festival in May. High school band members are also eligible to participate in various honor bands and in the extra-curricular Jazz Band. In addition to daily rehearsals, band members are expected to meet with the director for lessons throughout the year to work on individual skills and musicianship, and to maintain a record of individual practice time. Grading is based on performance attendance, lesson attendance, and individual practice time. Along with the Concert Choir, the band takes a major trip every four years.

HS Concert Choir Credits: 2 Grade Level: 9-12 Term: Year Elective

The members of the MMCRU Concert Choir rehearse daily as part of the regular school day. They perform four concerts a year, attend large group festival in the spring and perform at a graduation. Members of the choir are required to take one voice lesson per week to better understand proper vocal technique and tone production. Members of the concert choir are eligible to participate in other events such as All State Chorus, Opus Honor Choir, Morningside Men and Women in Song Northwest Iowa Honor Choir and State Solo and Small group contest. Every four years a combined band and choir trip is taken. Time outside the classroom includes required concerts and other elective performances. Grading is based on preparation of music, participation, weekly lessons and required performances.

Foreign Language

Spanish I Credits: 2 Grade Level: 9-12 Term: Year Elective

Assessment: 50% test/quiz/project; 25% listening/speaking/participation; 5% homework; 5% binder; 15% semester exam

Spanish I is a class in which students are introduced to another language and many different cultures. They practice the skills of listening, speaking, reading, and writing. These skills are practiced by means of listening activities, paired activities, group activities, writing samples, and videos. The emphasis is on speaking and listening; the skills used in everyday conversation. Concepts include, but not limited to, telling time, greetings and farewells, numbers, the alphabet, Spanish speaking countries, and free time activities. Students will also learn the present tense.

Spanish II Credits: 2 Grade Level: 9-12 Term: Year Elective

Prerequisite: Spanish I

Assessment: 50% test/quiz/project; 25% listening/speaking/participation; 5% homework; 5% binder; 15% semester exam

Spanish II is a class that reviews the conversational phrases and grammatical points from Spanish I. Students continue to practice the skills of listening, speaking, reading and writing. Students communicate in the classroom in Spanish. More emphasis is placed on incorporating new grammatical points and vocabulary into speaking. Concepts covered, but not limited to, include irregular verbs, food and restaurant, question words and invitations, places along with the verb *ir*, and the simple future tense.

Spanish III Credits: 2 Grade Level: 10-12 Term: Year Elective

Prerequisite: Spanish II

Assessment: 50% test/quiz/project; 25% listening/speaking/participation; 5% homework; 5% binder; 15% semester exam

Spanish III reviews conversational phrases and grammatical points from previous Spanish classes. While conversations in Spanish are important, more emphasis is placed on incorporating the grammar into writing. Students will develop their own style of writing through a guided writing process. Class is conducted in Spanish. Concepts covered, but not limited to, include body parts, clothing, reflexive verbs, informal commands, and the preterit tense.

Spanish IV Credits: 2 Grade Level: 11-12 Term: Year Elective

Prerequisite: Spanish III

Assessment: 50% test/quiz/project; 25% listening/speaking/participation; 5% homework; 5% binder; 15% semester exam

Spanish IV emphasizes and incorporates the materials from the previous three levels. Students will be involved in intensive grammar reviews. They will be using the grammar in speaking, reading, and writing at a more advanced level. This class is conducted in Spanish. Concepts covered, but not limited to, include formal and plural commands, the difference between the imperfect and preterit tenses, the subjunctive mood, and reading Spanish novels.

Industrial Technology

Introduction to Industrial Trades Credits: 2 Grade Level: 9-12 Term: Year Elective

Introduction to Industrial Trades is a required course for all other cabinetmaking and construction classes and is strictly for first year woodworking students. It exposes students to the tools and machines that they may encounter in vocational trades occupations and enable them to develop the skills they need to use these tools in various applications. Students will be expected to demonstrate a working knowledge of skills learned throughout the class in the completion of a selected project that covers techniques involved with the class content. Course topics include (but are not limited to) drawing and planning, woodwork, finish and hardware processes, and basic metal work. Concepts from this course will not only be beneficial for future cabinetmaking classes, but also for future classes in the industrial technology field. Certain elements of applied mathematics should be demonstrated by students during processes in the course. These courses typically emphasize general safety and career exploration in a preparation for classes that will branch off into a variety up industrial trades courses.

Cabinetmaking I Credits: 2 Grade Level: 10-12 Term: Year Elective

Pre-Requisite: Intro to Industrial Trades

Cabinetmaking I is a branch into the cabinetmaking division of the industrial technology program in which students will be expected to continue building the knowledge and skills presented to them in Introduction to Industrial Trades. The course will continue to expose students to the tools and machines that they may encounter in various occupations and enable them to develop the skills they need to use these tools in numerous applications such as planning and design, cabinetmaking, carpentry, finish work, and other applied technology fields. The course will once again emphasize certain elements of applied mathematics as well as technology experiences. Students will be expected to demonstrate skills in planning and design, woodworking fabrication, finish and hardware processes, and basic metal work, at higher levels than what was presented in Intro to Industrial Trades. This course will emphasize careers in custom and commercial

woodworking and finish carpentry opportunities and also build skills that are valuable in other areas of our industrial technology program.

Cabinetmaking II Credits: 2 Grades: 11-12 Term: Year Elective

Pre-Requisite: Intro to Industrial Trades, Cabinetmaking I

Cabinetmaking II is a continuation of Cabinetmaking I in which students will be expected to continue building the knowledge and skills presented to them in Cabinetmaking I. The course will continue to expose students to the tools and machines as well as expose students to more advanced concepts in woodworking and other trade industries. The extended focus of this course will hone in on concepts involved in commercial millwork and custom cabinetry in our local job pool. Equipment setup and joinery techniques in this class will be more advanced than those presented in Cabinetmaking I and will push students to pursue more advanced skills in cabinetry. The course will once again emphasize certain elements of applied mathematics as well as technology experiences. Students will be expected to demonstrate an advanced skillset in cabinetmaking and millwork through hands on applications at higher levels than what was presented in Cabinetmaking I.

Advanced Cabinetry/Woodworking Credits: 2 Grades: 12 Term: Year Elective

Prerequisite: 2 Industrial Trades Courses (Preferably Cabinetmaking I/II)

Advanced Cabinetry is a course offered to not only increase students' abilities to their highest potential, but also give students the opportunity to give back to their program, school, and community. Students will be expected to continue building their knowledge and skills presented to them in Cabinetmaking III. The course will continue to expose students to the tools and machines as well as expose students to more advanced concepts in woodworking and other trade industries. The course will once again emphasize certain elements of applied mathematics as well as technology experiences. Students will be expected to demonstrate an advanced skillset in cabinetmaking and millwork through hands on applications at higher levels than what was presented in Cabinetmaking II. Students will focus on more than cabinetry but also different formats of woodworking such as furniture. This course will emphasize careers in custom and commercial woodworking, finish carpentry, as well as architectural millwork opportunities with an emphasis on safety.

Welding & Fabrication I Credits: 1 Grades: 9-12 Term: Semester Elective

This is a course designed to develop the student's awareness of industrial welding processes as well as fabrication concepts. Students deciding to enter the field of welding and metal fabrication will be introduced to the basics of safety and sanitation, as well as equipment identification and use. Students learn about the variety of careers available in the welding and metal fabrication industry, as well as hand tools and shop equipment. Different modes and techniques of welding are demonstrated and practiced on various materials as well as demonstration of a variety of joint concepts used in fabrication processes. MIG (GMAW), Flux-Core (FCAW), Arc (SMAW), and Oxy-Acetylene welding and cutting processes will be taught as a major part of the class as students will be introduced to each process throughout the class. Technology-related mathematics, reading, writing, vocabulary, blueprint reading and science are integrated throughout the curriculum to prepare students for the next course of Welding & Fabrication II. Fieldtrips to local industries and manufactures will be a continuous staple to this program to get students a true understanding of modern manufacturing and welding in our area.

Welding & Fabrication II Credits: 1 Grades: 9-12 Term: Semester Elective

Prerequisite: Welding & Fabrication I

This course expands upon the concepts and skills presented to student in Welding & Fabrication I. Students prepare sections for joints, fillets and grooves and then test-weld. Proper use of machine cutting tools is demonstrated and then practiced by students. Oxy-fuel cutting and joining processes are taught and practiced, and quality is examined and diagnosed. Gas Metal Arc Welding (GMAW) applications, parameters, gases, wire types and sizes are studied, demonstrated and practiced. Fabrication processes will be expanded upon as well as the art of weld symbol reading will be emphasized. Students continue to receive instruction in safety requirements and demonstrate sound safety practices. Technology-related mathematics, reading, writing, vocabulary, blueprint reading and science are integrated throughout the curriculum. This course will also touch on certain elements of mass-production manufacturing as students work as a team to produce their own custom item to potentially be sold for profit in entrepreneurial projects. Throughout this course students will continue to build their knowledge and skills till they are prepared to develop and

complete a fabrication project of their own involving the processes they have learned in both courses they have taken. Fieldtrips to local industries and manufactures will be a continuous staple to this program to get students a true understanding of modern manufacturing and welding in our area.

Welding & Fabrication III Credits: 1 Grades: 9-12 Term: Semester Elective

Prerequisite: Welding & Fabrication I/Welding Fabrication II

This course expands upon the concepts and skills presented to student in Welding & Fabrication I/II. Students will grow on their knowledge base of production welding in a format that is relative to manufacturing in our local industries. All aspects of this course will be based on the demands and needs of modern and local fabrication, teaching students about career opportunities available in our area as well as teaching them real-world skills that are visible in local production welding. Students will also learn different formats or metal forming as the scope of this class will be on manufacturing, production welding, and equipment setup with CNC based equipment. Fieldtrips to local industries and manufactures will be a continuous staple to this program to get students a true understanding of modern manufacturing and welding in our area.

Drafting I (Mechanical Drafting) Credits: 1 Grades: 9-12 Term: Semester Elective

In this course the students will learn the concepts of board drawings and computer drawings to solve mechanical problems in drawings, develop part assemblies, and develop abilities in reverse engineering. Types of drawings that students will be engaged in will be orthographic, 3-view, and isometrics. Students will also learn how to read rulers and scales that relate to drafting. Students will do a floor plan and front elevation on the board and follow all drafting standards. This is a hands on class with grading based on class participation, attendance and attitude, time management, staying on task, productivity, and quality of project or drawing. Neatness, accuracy, lettering, line-value and proper centering of drawing will be stressed. Students will also be introduced to Computer-Aided Drafting using computers and the Autodesk software AutoCAD, which is a computer aided drafting program that is used regularly in the local industry field.

Drafting II (Architectural Drafting) Credits: 1 Grades: 9-12 Term: Semester Elective

Prerequisite: Drafting I

In this course the students will learn the concepts of computer drawings to solve architectural problems in drawings, develop home construction layers, floor plans, and interior/exterior 3d renderings. Types of drawings that students will be engaged in will be orthographic views and 3d views of rooms and exterior views.. Students will also learn how to read rulers and scales that relate to drafting. Students will do a floor plan and front elevation on the board and follow all drafting standards. This is a hands on class with grading based on class participation, attendance and attitude, time management, staying on task, productivity, and quality of project or drawing. Neatness, accuracy, lettering, line-value and proper centering of drawing will be stressed. Students will also be introduced to Computer-Aided Drafting using computers and the Autodesk software Revit and AutoCAD Architecture, which is a computer aided drafting program that is used regularly in the local industry field.

Construction I Credits: 1 Grades: 10-12 Term: Semester Elective

Prerequisite: Intro to Industrial Trades

Students enrolled in this course (also called Introduction to Construction Trades) will study the proper care and operation of various hand and power tools used in construction, basic carpentry practices that will be a major part of the course; framing; interior and exterior finishing, door/window installation, residential roofing, and basic residential electrical and plumbing installation. Reading and interpreting of building blueprints and specifications with actual application of the competencies will be necessary to complete various construction projects. Students will demonstrate a basic knowledge of these skills along with utility concepts such as plumbing and electrical code standards. Technology-related mathematics, reading, writing, vocabulary, blueprint reading and science are integrated throughout the curriculum. This course covers the basic skills and knowledge which will better prepare students for further action in the Construction II course.

Construction II Credits: 1 Grades: 10-12 Term: Semester Elective

Prerequisite: Construction I

Construction II (or Carpentry) is an opportunity for students to elaborate and build on the skills they developed in Construction I to improve their knowledge and abilities of this applied field. Construction courses provide students with basic knowledge and skills required for the construction of lite commercial and residential structures. Structures that are built in this class will require concepts that were learned in construction I with IBC standards. This course will provide experiences and information regarding construction-related occupations such as carpentry, cabinetmaking, bricklaying, electrical trades, plumbing, concrete masonry, and so on. Students engage in activities such as reading blueprints, preparing building sites, starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance. Student will once again be expected to show their knowledge of technology-related mathematics, reading, writing, vocabulary, blueprint reading and science that is integrated in the course. A large portion of this course will involve community projects and on sight training in construction trades. Through this opportunity students will develop a working knowledge of the construction field and develop skills that will prepare them for post-secondary education in applied sciences or a career in the field after high school.

Construction III Credits: 1 Grades: 11-12 Term: Semester Elective

Prerequisite: Construction I/II

Construction III (or Construction Management) is an opportunity for students to not only elaborate and build on their construction skills developed in Construction I and II, but also develop communication, management, and time management skills that are relative to managing a real construction company or crew. Students in this limited group will be responsible for meeting with the instructor 1 days a week before or after school to discuss jobsite projects and expectations for managing their crews and projects. This course will provide experiences and information regarding leading construction based companies with interpersonal skills among “employees” and workings with material suppliers and project customers. Students engage in activities such as reading and interpreting blueprints to employees and customers, preparing building sites, and directing employees through the processes of starting foundations, erecting structures, installing utilities, finishing surfaces, and providing maintenance and support to crews. Students will once again be expected to show their knowledge of technology-related mathematics, reading, writing, vocabulary, blueprint reading and science that is integrated in the course. A large portion of this course will involve community projects and on sight training in construction trades.

Agriculture

Agri-Science I Credits: 2 Grade Level: 9-12 Term: Year Elective

This course is an introductory in the agricultural education program. A broad study of Ag science, food, and natural resources career cluster. Topics will include: animal and plant sciences, natural resources, agribusiness, horticulture, Agri-technology, FFA student organization, and career experience programs. Emphasis of the course will be to explore the career opportunities available in this widely diversified career cluster, develop communication and problem solving skills, and develop the leadership skills of all students involved.

Agri-Science II Credits: 2 Grade Level: 10-12 Term: Year Elective

This course focuses on developing more in depth knowledge in the areas studied in Agri-Science I. The primary areas of study will be animal science and agronomy. Students will design a program of independent study that will be focused on animal species of interest. Agronomy and natural resources study will center using GPS and GIS technology/Data Systems. Students continue to develop their communication, program solving, and leadership skills. Students will improve their career experience programs that will support their individual career and personal interests.

Horticulture Credits: 1 Grade: 10-12 Term: Semester Elective

A course focusing on the application of plant science principles to greenhouse, nursery and landscape plants. Students should have some background in biology or Agri-Science. Topics include plant growth and development, greenhouse/house plants, nursery plants, landscaping design, installation and maintenance of landscape plants, turf management, fruit and vegetable production, and floriculture. Students will design a landscaping project and will work as a class to prepare and install the project.

Principles of Agronomy Credits: 1 Grades: 11-12 Term: Semester Elective

This course is an introductory course in plant sciences and soil science. We will study soil formation, characteristics, and fertility management. We will also study the major agronomic crops and all of the basic management areas of fertility, pest management, and environmental impacts.

Ag Marketing & Sales Credits: 1 Grades: 11-12 Term: Semester Elective

This course focuses on the most challenging area of any business operation. Students will study basic economic principles that affect markets, commodity futures markets, options markets, promotional procedures and world export/import markets. In addition, students will learn how to develop and implement marketing plans and sales procedures for a branded commodity of their choosing.

Survey of Animal Industry Credits: 1 Grades: 11-12 Term: Semester Elective

This lecture and lab course introduces the student to a global animal industry. Beef, swine, sheep, dairy, horse and poultry production are studied as well as other domesticated animal species.

Physical Education and Health

Physical Education Credits: 2 Grade Level: 9-12 Term: Year Required

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

Health Credits: 2 Grade Level: 9 Term: Year Required

Course in which students are exposed to the subjects pertaining but not limited to social health, mental health, sex education, substance abuse, exposure to CPR training, nutrients, exercise, tobacco, and emotional health.