

2015-2016 Course Descriptions

ENGLISH

ENGLISH I

Year - 2 Credits

Required for most 9th graders

This course will present the four basic elements of English: speaking, writing, reading, and listening. Class activities consist of discussion of literature, vocabulary, grammar work, composition, and presentations. Evaluation will include quizzes and exams over course content, formal and informal writing assignments, presentations, and in-class discussions. This class is a prerequisite for all other English courses, except reading, Honors, and Read 180, at IFAHS.

ENGLISH II

Year - 2 Credits

Required for 10th graders

Prerequisite: English I

This course is designed to acquaint the sophomores with their American literary heritage. Units will be designed thematically or chronologically in order to receive a broad base of American literature writers, themes, and styles. Most readings will be taken from the anthology of American literature, but there may be some supplemental texts. Formal papers and informal writing assignments will be incorporated with the units. In addition, students will conduct research and write a formal research paper. Students will also develop skills in reading comprehension, vocabulary, speaking, and writing essays. Students will read several novels and plays including *The Crucible*, *To Kill a Mockingbird*, *The Adventures of Huckleberry Finn*, *Night*, and *Julius Caesar*

ENGLISH III

Year - 2 Credits

Required for 11th graders

Prerequisite: English II

World Literature will be a study of various works including excerpts from *The Illiad*, myths, folk tales, short stories, *Frankenstein*, and *Hamlet*. Students will also study vocabulary with the literary works. Many readings will be taken from the anthology of world literature, but there will also be supplemental texts. Students will write essays and produce a formal research paper.

SPEECH

Semester - 1 Credit

Required for 11th graders

Prerequisite: English II

This course consists of learning basic speaking skills. Students will prepare a variety of speeches for presentation during class. These will include an introduction speech, impromptu speech, informative speech, demonstration speech, mock job interview, and persuasive speech. Students will critique speeches of their fellow students. The importance of research, documentation, good eye contact, and a positive attitude in presenting speeches will be stressed. Also, the value of good posture, poise, projection, articulation, vocal variety, etc. is all considered.

CREATIVE PUBLICATIONS

Year - 2 Credits

Prerequisite: Be a Junior or Senior and approval of instructor

Creative Publications is an ENGLISH ELECTIVE that is designed to provide students with the opportunities to explore various types of creative writing for possible publication in the Student Times. Students will experience assignments in news, editorials, and feature story writing. Students will also be responsible for writing senior spotlights. To be successful in this class, students must be willing to write about various topics, do research to support the writings, conduct interviews, and have efficient word processing and computer skills.

Yearbook: This course is designed to teach techniques and skills in developing the Yearbook. Creativity is the key. Students need to be able to look outside of the box in order to create layouts that are appealing to the eye. Students are encouraged to have experience in photography and computers (preferably Creative Suite software) in order to be successful with the yearbook. Students are chosen for this course because of their responsibility, their willingness to be creative and try new things, and their dedication in other classes.

Students also need to be amateur photographers. It is encouraged, but not required, that students have a digital camera that they can use at various functions. All students in this class will be assigned and expected to attend various activities to take pictures for the yearbook and newspaper.

Students will learn how to use the program Creative Suite InDesign, PhotoShop, Illustrator, and Google docs for all story writing, layout, and design.

Students in this class are responsible for both the Student Times (newspaper) and the yearbook.

CREATIVE WRITING (I & II)

Semester - 1 Credit

Prerequisite: English II

Students will read and write a variety of short stories focusing on multiple components of creativity. Students will be responsible for writing a three to five page story every two weeks. Students' creative writing stories must be typed and will be graded heavily on appropriate plot structure and utilizing conventional grammatical usage, punctuation, and a variety of sentence structures. Students will be granted one day a week to work on writing their stories. Students will focus on the pre-writing, drafting, revising, and polishing.

Students will not only read and write about creative literature, they will explore ways to become more creative people. Students will participate in a variety of fun and creative classroom activities and be responsible for journal writing responses reflecting the activities.

Students will be responsible for learning a wide variety of literary terms that they will use in their writing and identify in the creative stories they read. Students will be graded on class participation, journals, quizzes, tests, peer editing, rough drafts, short stories, and projects.

YA Literature (Novels)

Semester - 1 Credit

Prerequisite: English II

YA Literature is a semester long English elective designed to promote free reading, enhance vocabulary, and strengthen speaking and listening skills. Freshman and sophomores wanting to take the class need their English teacher's approval.

Students will be responsible for reading five novels throughout the semester. Students will use a variety of strategies to aid reading

comprehension and increase their vocabulary and recognition of literary elements. Students will complete study guides, graphic organizers, responsive writing assignments, and participate in and lead group discussions. There will also be a variety of quizzes, tests, and projects during and after the completion of a novel.

ENGLISH COMPOSITION I

Semester - 1 Credit

Prerequisite: Completion of English I and II

Recommended for juniors who plan to take AP English their senior year.

English Composition I is an ENGLISH ELECTIVE that includes emphasis on improving writing skills, individual writing style, research techniques and the mechanics of the research paper, and the vocabulary and thought processes necessary to write and evaluate writing effectively. Writing experiences include narratives, descriptions, persuasion, processes, summaries, reports, comparisons, and research papers.

English Composition I receives Ellsworth Community College credit (3 hours)

ENGLISH A

Year- 2 Credits

Prerequisite: Teacher recommendation

READ 180 is an intense reading intervention program designed to meet the needs of students whose reading achievement is below the proficient grade level. The program directly addresses individual needs through adaptive and instructional software, high-interest literature and direct instruction in reading and writing skills. Members of the class are determined through reading scores and teacher referral.

HONORS ENGLISH

Year - 2 Credits ``

Grades 9-11

Requirement: Requirement: 95% & higher (NPR) in two ITBS areas AND 95% & higher in two MAP areas for two prior years OR 95% & higher in two CAT areas (6th grade). Recommendations from 7th & 8th grade teachers will be collected, and student application must be completed and accepted. Final placement is determined by the Iowa Falls-Alden Talented and Gifted Advisory Committee.

Honors English is designed for Iowa Falls-Alden High School identified gifted and talented students. Students will explore challenging literature, engage in critical thinking activities while studying literature and the writing process, and work together and individually to develop written and spoken products befitting their academic skills and talents.

This class is designed to be taken in place of English I, II, and III for those who qualify. Students do not receive speech credit for this class and must take the semester speech class in addition to Honors.

LANGUAGES

SPANISH I

Year - 2 Credits

Spanish I consists of basic Spanish for travel, college preparation and enjoyment. We concentrate on simple conversation patterns, vocabulary building, pronunciation and the development of listening, reading, speaking and writing skills. Instruction methods include but are not limited to, oral reading, word games, verb drills, original dialogues and skits. Evaluation is based on written tests, daily work, projects, and classroom performance. Culture of Hispanic countries is mixed in throughout the year

SPANISH II

Year - 2 Credits Prerequisite: Spanish I

Spanish II continues the aims of the first year course with more advanced work in writing, grammar, and conversational skills. Recitation in Spanish is encouraged and some time is allotted for games and oral activities to provide opportunities to use the target language. Projects and skits allow the students to use the language in authentic manners. As in Spanish I, the Spanish culture is mixed in throughout the year.

SPANISH III

Year - 2 Credits Prerequisites: Spanish I and II

Spanish III continues grammar study for part of the year. Literature and composition are emphasized along with speaking for the second part of the year. A cultural project is part of the class. This is a high school level language course. Depending on the college or university of your choice, some schools may allow the high school courses to count towards a college foreign language credit.

SPANISH IV

Year - 2 Credit Prerequisites: Spanish I, II, and III

Spanish IV introduces well-known Spanish literature and offers opportunity for discussion in Spanish. A large emphasis is on oral activities, like reviewing current events or giving a speech. Writing assignments in a journal strengthen writing skills. Students will study Spanish culture this year, also. Grammar is reviewed during the year to aid the speaking and writing assignments. This is a high school level language course. Depending on the college or university of your choice, some schools may allow the high school courses to count towards a college foreign language credit. or university's foreign language requirement.

MATHEMATICS

ALGEBRA A

Year - 2 Credits

Algebra A has been specially designed to cover the material presented the first semester of Algebra I. Together, Algebra A, and Algebra B cover in two years the equivalent of a first-year course in Algebra, as well as offering review and practice of topics such as integers, fractional numbers, factors, and multiples, usually covered in previous courses. The text used for Algebra A and Algebra B is the same text used by students taking Algebra I. Algebra A students go just beyond the first half of the book. Algebra B students complete the book the following year. Algebra I students cover the entire text in one year.

ALGEBRA B

Year - 2 Credits

Algebra B has been specially designed to cover the material presented the second semester of Algebra I. Together, Algebra A, and Algebra B cover in two years the equivalent of a first-year course in Algebra, as well as offering review and practice of topics such as integers, fractional numbers, factors, and multiples, usually covered in previous courses. The text used for Algebra A and Algebra B is the same text used by students taking Algebra I. Algebra A students go just beyond the first half of the book. Algebra B students complete the book the following year. Algebra I students cover the entire text in one year.

INTEGRATED MATHEMATICS I

Year - 2 Credits

Integrated Math I is designed to show how mathematics is used in everyday life. Hands on activities and experiments are used to develop skills in the areas of arithmetic, algebra, and written communications. Due to the lab activities, good attendance and a good work ethic is crucial for success.

Students will cover topics such as measurement and fractions, systems of algebraic equations, solving and graphing equations, geometry and basic trigonometry. A major focus is to teach skills employees look for in their employees: the ability to solve problems, the ability to work well with others, and also the ability to communicate well.

Upon Successful completion of this course, students will enroll in Integrated Mathematics II.

ALGEBRA I

Year - 2 Credits

Algebra I is designed as the first course in a sequence of three for students who plan to attend college and/or for students with a high interest and ability in mathematics. The topics covered are divided into four basic parts. They are:

1) The four fundamental operations on real numbers and their use in the solution of simple equations and related problems. 2) Polynomials, factoring, and fractions, leading to the solution of more complicated problems. 3) Inequalities, functions and relations, and systems of open sentences, extending the range of problems that can be solved. 4) Introduction of irrational numbers and quadratic functions, again extending the problem solving capabilities of the student.

Evaluation is based primarily on written tests with daily work counting about 10% of the grade.

ALGEBRA II

Year - 2 Credits: Prerequisite: Algebra I or Algebra B and Geometry

TI-84 Graphing Calculator, graph paper

Algebra II is designed as the third course in a sequence of three for students who plan to attend college in order to help meet minimum entrance requirements in mathematics and/or students with high interest and ability in mathematics. This course is an extension of Algebra I and geometry. This course covers quadratic functions, factoring, polynomials, polynomial functions, rational

exponents, rational functions, exponential functions, logarithmic functions, rational functions, data analysis, statistics, sequences, series, quadratic relations, conic sections, trigonometric ratios, trig functions, graphs, identities and equations. You will need a graphing calculator for this course.

BASIC GEOMETRY

Year - 2 Credits: Prerequisite: Algebra B

Supplies needed: scientific calculator

Basic Geometry focuses on the key topics that provide a strong foundation in the essentials of geometry, presented in a manner in which all students can understand. This course will cover concepts related to the origin and theory of geometry as well as applications. Many topics will be the same as those in the standard geometry course, such as study of triangles, quadrilaterals, circles, parallel and perpendicular lines, congruency, similarity, area, and volume. There will be less emphasis on formal proofs in this course as compared to the standard geometry course. This course is not recognized as a college prep class.

Upon completion of this course, students may enroll in Algebra II.

GEOMETRY

Year - 2 Credits: Prerequisite: Algebra I

Supplies needed: Graph paper notebook, compass, protractor, scientific calculator

Geometry is designed as the second course in a sequence of three for students who plan to attend college in order to help meet minimum entrance requirements in mathematics and/or students with high interest and ability in mathematics. This course includes a study of plane geometry, deductive and inductive reasoning, methods of proof, perpendicular and parallel lines, properties of triangles, quadrilaterals, transformations similarities of polygons, right triangles trigonometry, logic, coordinate geometry, circles and spheres, and areas and volumes.

PRE-CALCULUS

Year - 2 Credits Prerequisite: Algebra I, Algebra II & Geometry

supplies needed : TI 84 calculator, graph paper notebook

The objective of Pre-Calculus is to provide the student with a comprehensive study of various areas of mathematics beyond Algebra II and Geometry. This course is designed for students who plan to pursue studies beyond high school requiring mathematics and/or students who enjoy mathematics. Topics included in this course are college algebra, functions, (polynomial, exponential, and logarithmic), trigonometry, analytic geometry, and an introduction to differential calculus.

ADVANCED PLACEMENT STATISTICS

Year - 2 Credits Prerequisite: Algebra I, Algebra II & Geometry

supplies needed: TI 84 calculator

AP (Advanced Placement) Stats is an introductory course to statistics that assumes a minimal statistics background that you would receive in previous math courses. This course will show how widely used statistics is in a variety of fields and teach students to be more critical thinkers and researchers. There is an AP test at the end of the year that can be taken to earn college credit that may apply to many majors such as business, math, engineering, etc.

SCIENCE

PHYSICAL SCIENCE

Year – 2 Credits

Physical Science is the study of the physical world. Basic concepts of Chemistry and Physics are addressed. Hands on experimentation and conceptual development are stressed. Interrelated topics include: interpreting data, the chemistry of water, atmospheric pressure, the effects of heat, motion, work and energy, waves, static electricity, atomic structure, electromagnetism, and household electricity.

BIOLOGY

Year - 2 Credits

Biology is the study of life and in this course the students are brought to a fuller understanding of the similarities, as well as the differences, in the various forms of life. The course is divided into several different parts, each one being correlated with the others. They are:

- 1) The nature of life, deals with the basic principles governing all living things.
- 2) The continuity of life, in which the principles of heredity and genetic materials are taken up.
- 3) Microbiology, beginning with life at the molecular level the virus and on the bacteria.
- 4) Biology of invertebrate and vertebrate members of the animal kingdom-emphasis on structure and function.

In each case, we will correlate lecture, class discussion, and laboratory work (including dissecting to gain a better understanding).

ADVANCED BIOLOGY

Year - 2 Credits Prerequisite - Biology

During this two year semester course we will study the structure and function of the human body. We will study the human body systems (integumentary, endocrine, excretory, nervous, skeletal, muscular, circulatory, digestive) by the means of lecture, laboratory exercises and the dissecting of an embalmed cat.

CHEMISTRY

Year - 2 Credits

Chemistry is the study of matter. Model development and application are stressed. Topics include: Matter, Energy and States of Matter, Substances, Counting, Internal Structure of Atoms, Chemical change, and Stoichiometry.

PHYSICS

Year - 2 Credits

Physics is the study of the relationships between matter and energy. Model development and application are stressed. Topics include: Modeling, Constant Velocity Motion, Uniform Acceleration Motion, Newton's Laws, Projectile Motion, Circular Motion and Special Relativity.

CODING (STEM)

Semester - 1 Credit

Coding (or computer programming) is the process of designing, writing, testing, debugging, and maintaining the code of computer programs. In this course we will learn to code using programming languages (Scratch, SNAPI, Processing, etc.) in order to create instructions that our computers use to perform specific operations. (Translation: We're going to learn how to tell the computer to do fun stuff!)

ENGINEERING (STEM)

Semester - 1 Credit

Engineering is the application of scientific, economic, social, and practical knowledge in order to design, build, and maintain structures, machines, devices, systems, materials, and processes. In this course we will learn to program microcontrollers (Arduino's) and combine them with other elements in order to engineer devices. (Translation: We're going to learn how to build cool stuff!)

SOCIAL STUDIES

AMERICAN HISTORY

Year - 2 Credits -Required of all sophomores

This course examines, in a chronological framework, the development of political, social, and economic concepts, which are essential for an understanding of our democracy.

First Semester: Units included are: Industrial Age, Modern America Emerges, U.S. Becomes a World Power, and Roaring Twenties.

Second Semester: Units included are: Great Depression, World War II, Cold War, Social Change, Social Conflict, Rebirth of Conservatism, and New World Order, and Terrorism/Partisanship

WORLD HISTORY

Year - 2 Credits -Required of all juniors

Today, the world seems to be getting smaller. It's time to get closer by exploring the lives, the cultures and the histories that made the world what it is today. We will come closer to understanding the story of humanity. The course begins just after the middle ages, with the Muslim World in 500 AD, and finishes with the war on terror. It's time to globalize you, because what happens over there matters over here.

CURRENT EVENTS

Semester - 1 Credit

Prerequisite: Junior or Senior

Have you ever wanted to know why things happen the way they do in the world around you? If so, this is the class for you. In Current Events we will take an in depth look at what is going on in the United States and the world around us. Topics covered in class vary from year to year, but have included: the Middle East, crime and drugs, terrorism, the global environment, Constitutional Rights, immigration, poverty, the media, and women and minorities.

UNITED STATES GOVERNMENT

Semester - 1 Credit

Prerequisite: Junior or Senior

This class is an introduction into the study of Government, the institution through which a society makes and enforces its public policies. In this class we will focus on the governments of the United States, Iowa, Hardin County, and the local governments in the Iowa Falls and Alden area. In each of these we will look at how they are set up, how they work, how they impact us, and how we can impact them. Topics covered include: the foundations of government, the principles of our government, political behavior, and the executive, legislative, and judicial branches of all three levels of government.

SOCIOLOGY

Semester-1 Credit

Prerequisite: Junior or Senior

This class is an introduction into the study of Sociology, the science that studies human society and social behavior. In this class we will be looking at how people relate to one another and influence each other's behavior. The study of Sociology tends to focus on the group rather than on the individual, as Psychology does. Some of the topics we will be studying include: the meaning of culture, people's values, how society is structured, how the individual relates to society, class systems, behavior in masses, social change, and the major social institutions.

ECONOMICS

Semester-1 Credit

Prerequisite: Junior or Senior

This class is an introduction into economics, the study of how people, businesses, and governments seek to satisfy their needs and

wants by making choices. We will be looking at how these choices are made and how these decisions influence us everyday. Some of the topics that we will be looking at in economics include: an introduction into what economics is all about, supply, demand and how prices are set, how business and labor organize themselves, money and banking, investing, business cycles, inflation, unemployment, and the role of government in the economy. This is an activity based class.

PSYCHOLOGY

Semester - 1 Credit

Prerequisite: Junior or Senior

This class is an introduction into the study of Psychology, the science that studies behavior and mental processes. In class we will be looking at how the study of Psychology can provide us insights and a better understanding of behavior, knowledge of how psychologists study human and animal behavior, and practical applications of this knowledge. Some of the topics that we will cover in class include: an overview of the study of Psychology, learning principles and applications, memory and thought, biology and behavior, sensations, emotions, altered states of consciousness, personality theory, stress and adjustment, and abnormal behavior.

GEOGRAPHY

Semester - 1 Credit

This course will establish the following basic principles of geography: 1)The world in Spatial Terms; 2) Places and Regions; 3) Physical Systems; 4) Human Systems; 5) Environment and Society; and 6) Uses of Geography. Students will learn the major ideas of each principle and apply them to the world today.

INDUSTRIAL TECHNOLOGY

INTRODUCTION TO INDUSTRIAL TECHNOLOGY

Year - 2 Credits

Grades 9-12

This course is an introductory course to Industrial Technology. The following units will be explored:

- 1) Problem Solving and Critical Thinking Challenges-9 weeks (food tower, egg course, thing-a-ma-jigs, etc.)
- 2) Computer Aided & Architectural Drafting - 9 weeks,
- 3) Mass Production & Manufacturing Techniques - 9 weeks,
- 4) Construction Technology - 9 weeks.

COMPUTER AIDED DRAFTING

Semester - 1 Credit

Grades 9-12

This course is one semester in length and will cover the drafting techniques on the computer. The CAD KEY System will be explored and basic drafting and engineering concepts will be done on the computer. Drawings will be produced on the computer in 2D and 3D formats and then made into a hard copy on a printer. Examples of projects include car rim design challenge, pop bottle cozy design challenge, tool design challenge, etc.

ARCHITECTURAL DRAWING

Year - 1 Credit

Grades 9-12

This course will cover the drawing and design of a residential dwelling. Construction details and drawings will be studied. The drawing of floor plans, elevations, electrical plans, and plot plans will be done. Construction of models will also be covered. Mechanical drawing and CAD would be beneficial to have as prerequisites, but are not necessary. 3D Home Architect will be taught.

WOODS I

Year - 1 Credit

Grades 10-12

Prerequisite- Intro to Industrial Tech.

This course covers hand and machine processes of woodworking. Problem solving and project completion involving different joints and assembly techniques will be covered. Introduction to Technology is required. Students will get the chance to produce a display shelf and bedside table.

WOODS II

Semester - 1 Credit

Grades 10-12

Prerequisite - Woods I

This course covers hand and machine processes of woodworking. Problem solving and project completion involving different joints and assembly techniques will be covered. Introduction to Technology is required. Current cabinet making technology will be stressed in Woods II.

CARPENTRY

Year - 4 credits (2 per sem.)

Grades 11-12

Prerequisite- Woods II

This course will be blocked 7th and 8th periods and it will be offered all year. The class will cover all the areas of residential construction from the footings to the finishing. Various projects will be worked on during the year. A typical project will be an addition to a house or a garage project. Cabinetry and finishing will also be included. Woods I & II are prerequisites and Architectural Drafting would be a great compliment to this class.

AGRICULTURAL EDUCATION

Any high school student enrolled in one of the following agriculture classes during the school year is eligible for membership in the FFA Organization. The primary aim of the FFA Organization is to develop leadership, cooperation, and citizenship. Activities include monthly meetings, recreational activities, contests, state and national leadership conferences, awards and recognition, and personal development activities on the local, state, and national level.

AGRICULTURE FOOD/NATURAL RESOURCES (AFNR)

Year-2 Credits
Grade 9-12

Introduction to Agriculture, Food, and Natural Resources (AFNR) will serve as the introductory course in the Ag sequence of courses. It is designed to introduce students to the four pathways that will be offered through CASE. In addition to a brief overview of animal/plant science, natural resources, and agricultural technology, students will explore FFA, leadership, and science. Students will also develop plans for their Supervised Agricultural Experiences and set goals for the growth and development of those projects.

AGRICULTURAL PLANT SCIENCE (ASP)

Year-2 Credits
Grade 10-11-12

The Principles of Agricultural Science – Plant course is intended to serve as a foundation course within the CASE sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in plant science so that students may continue through a sequence of courses through high school. Students will work in teams, exploring hands-on projects and activities, to learn the characteristics of plant science and work on major projects and problems similar to those that plant science specialists, such as horticulturalists, agronomists, greenhouse and nursery managers and producers, and plant research specialists face in their respective careers.

AGRICULTURAL ANIMAL SCIENCE (ASA)

Year-2 Credits
Grade 10-11-12

The Principles of Agricultural Science – Animal course is intended to serve as one of two foundational courses within the CASE sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in animal science so that students may continue through a sequence of courses through high school. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. The knowledge and skills students develop will be used in future courses within the CASE program.

AGRICULTURAL BASIC HOME/FARM MAINTENANCE (HFM)

Semester-1 Credit
Grade 11-12

Owning and maintaining a home is a common goal of all people, however very little instruction is offered to young adults related to the day to day maintenance of homes, farms, tools, automobiles, and equipment. Basic Home/Farm Repair is designed to give students general background and hands-on experience in safe and general home/farm mechanical operations. The course will be

divided into lab units related to: Tool ID and safe operation, metal cutting and welding, small engine operation and repair, basic auto, beginning plumbing and electrical, and home concrete design and installation. Additional time will be used to begin learning about safe farm equipment operation and obtaining a Commercial Drivers License.

FAMILY AND CONSUMER SCIENCES

FOODS I

Semester - 1 Credit

This is a basic course in foods and nutrition. Labs are held frequently and include pasta, quick breads, pastry, beef, fruits, and cookies. Detailed nutrition unit is included.

FOODS II

Semester - 1 Credit Prerequisite: Foods I

The focus of this course is on more advanced food preparation techniques. Labs include yeast breads and steam leavened products, eggs, vegetables, poultry and cakes. Detailed units in menu planning and meal management and careers are included.

ADVANCED FOODS

Semester - 1 Credit Prerequisite: Foods I & II

Advanced Foods focuses on specialized food preparation techniques. Lab experiences are an important part of this course. Also included is the study of seasonings, foreign foods, regional American foods, knife techniques, and cake decorating.

CULINARY MARKETING

Semester Class-1 Credit

Prerequisites: Foods I, II, Adv. Foods

Students produce take home meals and other items as part of a retail setting. Emphasis is on the various management functions required to produce quality foods efficiently and market them appropriately.

CREATIVE SEWING

Semester - 1 Credit

A one-semester course designed to familiarize students with basic textile construction techniques and tools. Students will learn to operate and care for the sewing machine. They will learn sewing skills and practice piecing techniques as they construct their projects. Materials needed for this course will be provided, however, students may opt to provide their own fabric selections and/or materials. Students can expect to complete several projects throughout the course duration.

PARENTING

Semester - 1 Credit

This course focuses on the parenting decision and pregnancy. The most important job in the world, caring for children in an appropriate, nurturing manner that enables them to grow to their greatest potential, cannot be left to chance. Whether you are planning to enter a career field involving children, or plan to be a parent someday, this class will introduce you to basic child care practices.

CHILD GROWTH/DEVELOPMENT

Semester - 1 Credit

Prerequisite: Parenting

This course explores knowing and understanding young children's characteristics and needs; the multiple influences on development and learning, and how to use this developmental knowledge to create healthy, respectful, supportive, and challenging learning environments. The principles of child development are emphasized including language development, creative expression, physical, cognitive, and social/emotional development. Careers found within child development will also be explored.

TEXTILES AND MERCHANDISING**Semester - 1 Credit**

This course introduces students to and expands upon the various aspects of apparel, garment construction, and the textile industry. This course will address the selection, characteristics, care, and repair of various textiles; operation and care of sewing machines, design, construction, and production of fabrics and garments. Careers in the textile industry will also be explored.

INTERIOR DESIGN**Semester – 1 Credit**

Students will study housing needs while also focusing on the creativity and design elements behind both interior and exterior housing elements. Individual work units will be planned to meet student goals.

INDEPENDANT LIVING**Semester – 1 Credit**

This class will help prepare you for life after high school by exploring some topics that may be unfamiliar, yet are a fact of everyday living as a responsible adult. Some areas we will be exploring are goal setting and defining success, career skills, communication skills, personal finance and housing. Group discussions, projects, guest speakers, and lecture will be used to explore the information.

PHYSICAL HEALTH**Semester - 1 Credit**

This class is designed to help students examine their lifestyles, select goals and make plans to achieve and maintain their health. Units covered include: personal health, stress, fitness, drugs/medicines, food choices, communicable diseases, and first aid.

SOCIAL AND MENTAL HEALTH**Semester- 1 Credit**

This class is designed to help student understand how to interact with society as well as learn about their mind. Units covered include: relationships, mental health/disorders, medicines, drugs, global environmental issues, and being a health consumer.

BUSINESS EDUCATION

BUSINESS EXPLORATORY

Semester-1 Credit

This is a required course for incoming freshman

The class introduces students to the growing world of technology and gives students the skills necessary to thrive in a 1:1 classroom. This class involves learning and following efficient, orderly steps for decision making and evaluating final format acceptability. Projects are done throughout the semester to display new skills.

MULTI-MEDIA

Semester -1 Credit

Prerequisites: Business Exploratory

The course entails an introduction to the creation of multimedia for use with presentations. Multimedia utilizes a combination of different content forms including text, audio, still images, animation, video and interactivity. Technology that will be used in this class – Garage Band, iMovie, Flash, iPhoto, iTunes, Photo Booth, Google Docs, Google Sites. Media covered in the course will include audio, enhanced and video podcasting, power point presentations and various other projects. Video camcorders and digital cameras will be utilized in conjunction with computer hardware and software for media creation and manipulation.

GRAPHIC DESIGN

Semester -1 Credit

Prerequisites: Business Exploratory

Adobe Photoshop is a popular image-editing program that will teach students how to design graphics, special effect images, logos, artwork, posters, cards, advertisements and brochures. Filtering, adding effects, masking, airbrushing, retouching, removing red-eye and changing the color contrast of images are skills that students will learn in order to enhance electronic digital images. Students will create a real-world business simulation using desktop publishing and graphic computer programs. Students will create a product or service and develop all the materials necessary to promote and market that product. This simulation has been developed to provide real world experience in developing business documents using the Adobe computer programs. Other programs such as Adobe InDesign, Adobe Illustrator, Adobe Flash, iMovie, iPhoto, iTunes, Garage Band, Fireworks and Sketch Up may be taught within the curriculum.

WEB PAGE DESIGN

Semester - 1 Credit

Prerequisite: Business Exploratory

This course will introduce students to the web design software program Dreamweaver CS5. Dreamweaver is a powerful Web site management software program with an HTML editor that is used to design, code, and create professional-looking Web pages, Web sites and Web applications. Upon completion of the course students will have the skills necessary to create professional looking web sites.

Other programs such as iMovie, Adobe Flash, Adobe Fireworks, Adobe Photoshop and Garage Band may also be taught and the projects embedded into the student's web pages.

VIRTUAL REALITY

Semester - 1 Credit

Prerequisite: Business Exploratory and teacher approval

Students must be able to work independently.

Virtual reality will introduce students to the world of 3D modeling using the programs Blender and Sketch Up. The goals of the course are to complete a 3D and/or VR project(s) that has personal and educational relevance/importance. Created projects will be printed using a 3D printer.

Students will effectively demonstrate 21st century skills, specifically: critical thinking and problem solving, collaboration across networks and leading by influence, agility and adaptability, initiative and entrepreneurship, oral and written communication, accessing and analyzing information, curiosity and imagination.

PERSONAL LAW**Semester - 1 Credit Grades: 11,12**

A one semester course designed to give students a background of personal and business law by studying the legal system, contracts, purchasing, consumer protection, insurance, real estate, marriage and divorce, and a variety of other legal related areas of importance to one's personal and business life. Classroom lectures and discussions may be supplemented with guest speakers, field trips, debates, and mock trials. In this class, research on court cases brought to the Supreme Court will be emphasized. Students will learn how to brief a case.

MARKETING AND MANAGEMENT**Semester - I credit
Grades: 10,11,12**

Marketing is all around us. It is not only used by manufacturing companies, wholesalers, and retailers, but by all kinds of individuals and organizations such as hospitals, museums, performing arts groups, lawyers, and accountants. When students enter the job market, they must do "marketing research" to find the best opportunities and the best ways to "market themselves" to prospective employers. Many students will start careers with marketing jobs such as sales, retail, advertisement, and research.

Students are given an opportunity to make business decisions in units such as Marketing Concepts, Advertising, Entrepreneurship, Publicity, Public Relations, and Sales. Marketing in and about the Iowa Falls-Alden area will be emphasized. Many people who originally train to be accountants, teachers, financiers, or even writers eventually become managers. For this reason, all students can benefit from learning management skills. This class is designed to give students a background in the four principles of management: planning, organizing, influencing, and supervising.

ACCOUNTING I**Semester - 1 Credit**

The purpose of this first year accounting course is to acquaint the student with the fundamental accounting procedures employed by businesses today. A major objective of this course is to provide the student with insight in how to employ the accounting procedures and concepts learned. This can be done in their financial record keeping for income tax purposes and can aid in managing their personal business affairs more wisely.

Emphasis is placed on the "how to" and also the "why" of accounting procedures. This study of accounting would be of great benefit for anyone, no matter what his or her future occupation might be. Simulations will take place throughout the year, reviewing accounting concepts learned. Students will also have the opportunity to integrate computers with their accounting.

ACCOUNTING II**Semester - 1 Credit
Prerequisite: Accounting I**

The purpose of the second semester Accounting course is to further the knowledge of students who may be interested in a career in accounting or business. This course will cover some of the more advanced accounting concepts and practices used in the operation of a corporation. This course is specifically vocational and career oriented.

A simulation will take place at the end of the semester, allowing the students the opportunity to integrate everything that they have learned through practical application. Students will also have the opportunity to use computers with their accounting

PERSONAL FINANCE**Semester-1 Credit
This is a required course for graduation
Grades: 11,12**

Personal Finance is designed to inform students of their financial responsibilities as citizens, students, family members, and consumers. The course will help students understand the importance of personal financial planning, consumer credit and overall money management. This is a course all students should take. Discover new ways to maximize earning potential, develop strategies for managing resources and explore skills for using credit wisely. Projects will be done allowing students hands on experience and valuable practice for their future in managing personal finance

RETAIL SALES/MERCHANDISING

Semester-1 credit

This class trains students for entry-level sales and sales related jobs through hands-on experience in our school store. Areas of study: Salesmanship, Merchandising Math, Cashiering, Stocking and Inventory, Advertising and Display, Entrepreneurship, Customer Relations, Communication Skills, Employment Readiness Skills, and Leadership.#106 CASE

Semester - 1 Credit

Grade 10-11

CASE

Semester-1 credit

(Seniors-teacher approval)

*CASE *(Career And Self Exploration) is designed to assist students with a career field, whether that is a job out of high school or a graduate program. The focus of the CASE curriculum is to assist students in developing their own personalized career plan. Through CASE, students will acquire insight and knowledge of their values, skills and abilities. Students will make better decisions about their future and career choices. The fundamental principle of the CASE curriculum is in the student becoming the director of their career search with the teacher as the guide. The student's willingness to explore and gain insight will determine their success.

INTERNSHIP

Semester or year -1 or 2 credits (limit of 2 semesters)

Grades: 11, 12

Student must work at least 10 hours a week and turn in paystubs either weekly or bi-monthly.

JOB SHADOWING

Semester or year -1 or 2 credits (limit of 2 semesters)

Grades: 11, 12

Job shadowing gives students the opportunity to visit various Iowa Falls or Alden businesses or schools for a quarter. The instructor must approve all shadowing experiences. This is a non-paid opportunity to gain firsthand knowledge of the daily routine of a potential career path. Students will be on the job site four days of the week. Evaluation will be based on a series of journal writing, mentorship evaluation, and attendance.

VISUAL ARTS

INTRODUCTION TO ART

Semester - 1 Credit

Prerequisite: None

Basis of all other art classes. The class emphasizes the seven elements of art, in a variety of art media. Drawing, painting, pushing creative avenues, collage, ceramics, and other hands on experiences. Included will be art appreciation and critiquing skills. A good basis to build off of.

DRAWING AND PAINTING

Semester - 1 Credit

Prerequisite: None

Introductory class with a lot of emphasis in two-dimensional design, skill building and exploration of mediums. Class will split time to drawing and painting every couple of weeks. Students will experience a lot of different exercises. Students should take before painting elective. Great starter art class if you are unable to get into the Intro to Art class. Also a good general array of challenges.

DRAWING

Semester -1 Credit

Prerequisite: Intro to Art or staff approval

This course will discover and work on improvement of student's drawing skills using different media. Emphasis on development of skills, composition, and creativity. Projects will include a variety of still life, pop art, figure drawing, advertising, landscapes, as well as right brain exercises. You will definitely get your skills to advance farther a lot of art related vocations want you to have a good basic skills. Those thinking of design graphics field or engineering, and other related occupations, this would be a must to advance your skills.

PAINTING

Semester -1 Credit

Prerequisite: Drawing or Drawing & Painting, or Intro to Art

This course will include a wide variety of painting techniques, styles, and media. Watercolors, tempera and acrylics will be used to paint various subjects as well as abstracts. Beginners and ones with some experience should try it out and find your style. Students will have some time to push their personal skills, and interests at the end of the semester.

CRAFTS (JEWELRY, SCULPTING, STAINED GLASS, AND WEAVING)

Semester - 1 credit (10-12 grade)

Prerequisite: One prior art class of any kind

Class is devoted to each many hands on areas of study (jewelry & stained glass & sculpting & paper creative projects). Jewelry will be created by casting with emphasis on design and creativity. The stained glass unit will develop skills through construction of student designed projects. Short weaving exercise also will occur as time allows. Sculpting unit starts off with form/contour which provides good basics for jewelry. If you like to build and form ideas out on your own this is for you.

POTTERY

Semester - 1 Credit (10-12 Grade)

Prerequisite: One prior art class of any kind

Time will be devoted to many clay related projects. Course will provide students with the opportunity to explore hand built and wheel techniques in clay. Beads, wind chimes, sculpture form are other possibilities. All will try glazes and other pottery finishes to find their personal style. A great amount of time will be spent working on the pottery wheel as well as constructing combination projects.

PHOTOGRAPHY

Semester - 1 Credit

11-12 Grade Elective with Staff Approval/ Prior art class helpful

This class will stress the ability to create composition and critique to understand visual elements of art dealing with picture taking. Students will learn to use a single lens reflex 35 mm camera, basic printing and darkroom procedures. Also added is the use of digital cameras to the curriculum, which. Developing a good camera eye is the purpose and goal. Great junior-senior class to take.

CREATIVE DESIGN

Semester - 1 credit 9-12 Grade Elective

Prerequisite: One prior art class of any kind

Students will explore many types of designing, from lettering to graphic arts, and packaging to architecture. Fashion and interior design and landscaping will be touched upon. Commonly found designs in nature and surroundings.

ADVANCED ART (INDEPENDENT ART)

Semester - 1 credit 10-12 Grade

Staff Approval Needed

Students may take the following classes twice for credit and will work relatively independently, the second time (student would like to continue a certain class may take it independently). Approved by staff and allowed to further interest in a chosen area. Those classes include Drawing, Crafts, Photography, Creative Design, Painting, and Pottery. Weekly update with staff is necessary.

ART HISTORY AND CRITIQUE

Semester-1 credit 10-12 Grade Elective

Prerequisite none

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Students will study the history of art through many cultures. We will learn to critique, and find elements of design, and art terms. We will explore the story behind the art, and even the artist story. In conclusion student will gain knowledge and experiences that will follow them through life, as appreciation of the fine arts. Student does not have to possess a high level of drawing or painting, but some desire to know a bit of the rest of the story. Students will be able to voice their own interpretations, and pick up cultural differences. Fall Semester only.

MUSIC

PREP CHOIR

Year - 2 Credits
9th grade

This chorus is open to any 9th grade student and any 10th, 11th, and or 12th graders who have never been in a high school chorus or have a conflict in scheduling for Concert Choir, or for whom the difficulty of the Concert Choir music may present a concern upon the discretion of Mrs. Carstens. This choir will perform for the Fall Concert, Winter Concert, and Spring Concert. Students will sing a wide range of musical styles. The choir rehearses daily, and students will be scheduled for a small-group vocal lesson once a week. Students will work on ensemble singing skills such as rhythm, intonation, style, expression, etc. Choir members have the opportunity to participate in the school musical, Variety/Talent show, and Solo/Small-Ensemble Contest.

CONCERT CHOIR

Year - 2 Credits
10 - 12 grades

This chorus is open to any 10th, 11th, and 12th grade students who wish to perform concert vocal music and have shown ability for the more challenging repertoire. This choir will perform for the Fall, Winter, and Spring concerts, and also participate in Large Group Contest. Students will sing a wide range of musical styles. The choir rehearses daily, and students will be scheduled to come in for a small-group vocal lesson once a week. Students work on ensemble singing skills, such as rhythm, intonation, style, expression, etc. Choir members have the opportunity to participate in the school musical, variety/talent Show, solo/small-ensemble contest, and to be selected for an Honor Choir.

CHAMBER CHOIR

Year - 2 Credits
10 - 12 grades by audition

Chamber Choir is an auditioned group open to sophomores, juniors, and seniors who have the desire to work on more complex music and have the ability and desire to participate in solo/small ensemble contest, large group contest and extra performances for the community. The student's "work ethic" and not just singing ability will be a major consideration for placement in Chamber Choir.

INSTRUMENTAL MUSIC (Band)

Year - 2 Credits
9 - 12 grades

The High School Instrumental Music Program is an elective academic subject with the Concert Band as the core organization for music education. This program is designed to offer students music education within a group setting on a daily basis and specialized assistance individually and in small groups. Students need a background in playing a band instrument but this can be acquired with individual lessons prior to enrolling in band.

A student must be a Concert Band member to participate in any other ensemble or event within the program.

Program components:

1. Concert Band (includes all band members)
2. Field Marching (includes all but varsity football players)
3. Street Marching (includes all band members)
4. Pep Band (includes all band members)
5. Jazz Band (student option and director discretion)
6. Solos & Small Ensembles (participation required at local level, optional at the state level)
7. All-State & Honor Bands (student option and director discretion)

JAZZ BAND

Year - 1 credit
9 - 12 grades

Jazz Band meets 2-3 times per week as an elective and is scheduled opposite selected sections of P.E. The main aspects of the jazz curriculum are Rock music, Swing music, and Latin music. Through these music genre students learn jazz articulations & notation as well as techniques of funk, rock, swing, shuffle, bossa, & reggae. Additional morning rehearsal time may be utilized to prepare for performances.

MUSIC THEORY I

Semester - 1 Credit

Recommended: Grades: 10, 11, 12

The first semester of Music Theory is designed to give students a thorough understanding of the basic materials of music. Units include the following topics: time and sound, the notation of pitch, time classifications, note and rest values, time signatures, intervals, basic scales including major and minor scales, key signatures, and triads. This course is highly recommended for students considering the study of music beyond high school.

Some music reading skills are necessary for success in this course; the student needs a definite desire to understand music from the theoretic perspective. Course is highly recommended for any student thinking of participating in vocal and/or instrumental music at the college level.

MUSIC THEORY II

Semester - 1 Credit

Recommended: Grades: 10, 11, 12

Prerequisite: Music Theory I

The second semester of Music Theory continues to give students an in-depth understanding of the basic materials of music and introduces the harmonic materials of tonal music. Units include the following topics: the structure of tonality, the doubling and spacing of triads in root position, the voice leading of triads in root position, triads in first and second inversion, phrase structure and cadences, and harmonic progression. Students considering a possible music major in college need to be introduced to the contents of this course to ease their transition to college level music theory.

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PHYSICAL EDUCATION

PHYSICAL EDUCATION

Year - 1 Credit

Required for all students 9-12

Physical education is a graduated sequence of activities-beginning skills at the freshman level and working through a your senior year. Physical education includes physical fitness activities that increase cardiovascular endurance, muscular strength and flexibility; sports and games; water safety; leisure and lifetime activities.

P.E. Sport: A student may choose this option only one semester per year by participating in a sport that employs licensed and appropriately endorsed staff. Freshmen will not be able to choose this option. A permission slip must be obtained through the physical education department and signed by a parent /guardian in order to qualify for this option. The form must be turned in within the five days of the semester the student is opting out of. Students who are granted credit waivers will earn one-half (.5) credit in physical education if they successfully complete the identified athletic season. All credits earned under this provision will be registered as a "P" for "pass" on student transcripts. Freshmen will not be able to choose this option.

Physical Education may be taken pass/fail or by the traditional letter grade. Students must choose pass/fail within the first week of that semester if that is the grade system that they want to use. This must be done through the principal's office by getting a permission slip signed by your parents and returned to the office. Students choosing pass/fail may elect to switch to a grade if done before semester exams. However, once this decision is made, it is irreversible. Students choosing a grade may not change to pass/fail at a later time.

Fitness Class

This class is for students who want to individualize in PE. Videos shown in this class are Yoga, Zumba, Insanity, T-25, Kickboxing and others. Students will learn the importance of keeping an active lifestyle. Monday of this class students will participate in a cardio workout. Wednesday in this class students will do an ab medicine ball workout. Finally Friday is relaxation day and students will participate in yoga.

Weight Lifting

This class is for the student who want to weight lift during P.E. Class. The students will be provided with a full body workout that was designed by the IFA coaching staff. Students will learn the importance of a warm up, activity and cool down. Students will learn various lifts and what muscles they are using. There are two types of classes, co-ed, and then a class that is strictly for girls. If you complete this class, you will receive P.E. credit for that semester which is .5 credit.

Walking Class

During P.E. the students will walk 2-3 miles and perform other fitness exercises as part of the normal routine. Walking will take place outside, weather permitting. If a student completes this class, he/she will receive P.E. credit for that semester, which is .5 credit.

VOCATIONAL SKILLS/ELECTIVES

CHARACTER & LEADERSHIP

Semester: 1 Credit

Recommended Grades: 11,12

This class is for any junior, or senior who is interested in improving their character and leadership skills. Throughout the semester students will be immersed in the study of 18 commonly-valued traits; students will be expected to read about, write about, and think about these traits on a daily basis. This course will focus on participation in class discussions and reflection on weekly topics presented. After completing this course, students will receive a pass/fail grade, and earn 1 elective credit.