

**Sioux Central High School
Course Offerings for
2020-2021**

“Your Pathway to the Future”

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GRADUATION REQUIREMENTS

Students must have a minimum of 52 credits to graduate. One semester of a class = one credit.

REQUIRED SUBJECTS FOR GRADUATION:

English -- 4 years/8 credits

- English I (9th grade)
- English II (10th grade)
- Speech (11th or 12th grade – first or second semester)
- 3 more semesters

Science -- 3 years/6 credits

- Physical Science (9th grade)
- Biology (10th Grade)
- 2 more semesters

Mathematics -- 3 years/6 credits

Social Science -- 3 years/6 credits

- World History (10th grade)
- U.S. History (11th grade)
- Government (12th grade)
- 1 more semester

Physical Education – 4 years (Students involved in 2 athletic activities during the school year may waive one semester of PE per year with Principal approval.)

- Weight Training (MWF) OR Lifetime (TTh)
- Extreme Fitness (6:40-7:40am with teacher approval)

Child Development – One semester class to be taken in 11th or 12th grade.

Young Adult Living - One semester class to be taken in 12th grade.

All students must take at least six (6) classes each semester. A student may take band and chorus for one credit, therefore allowing the student to take only 5 other classes each semester. Band and chorus can be taken separately for a ½ credit each.

EARLY GRADUATION

Students who meet the graduation requirements set by the board prior to the end of their senior year may apply for early graduation. Students must apply at least one semester prior to the completion of the graduation requirements. In order to graduate early, students must have the approval of the superintendent and principal and appear before the board for its approval.

Senior Year Plus

Senior Year Plus is a program which provides students the opportunity to take a rigorous college curriculum and receive, in many cases, both high school and college credit concurrently. Senior Year Plus program serves as an umbrella for Postsecondary Enrollment Options (PSEO), Concurrent enrollment (Earlybird courses), and Advanced Placement (AP). To participate in Senior Year Plus programming, students must meet the academic requirements of both Sioux Central High School and the postsecondary institution. At the school district level, students must demonstrate proficiency in each of three academic areas — reading, mathematics, and science. This is primarily determined using the students' most recent scores on the Iowa Assessments. At the college level, students must be proficient in Senior Year Plus requirements and meet any additional assessment requirements of the postsecondary institution.

<https://www.educateiowa.gov/adult-career-and-community-college/senior-year-plus-syp>

Postsecondary Enrollment Options Act

The Postsecondary Enrollment Options Act allows eligible students the opportunity to take eligible courses at an Iowa area community college or university, and have the cost of tuition, fees and textbook up to \$250 paid by their home school district. Credit earned in the courses will be counted at the home school as well as the college. Students will be granted one high school credit for every three semester hours of college credit taken. Grades earned from other institutions will be recorded on their transcripts. These grades will be computed in the students' grade point averages. Students are responsible for supplying the district with official transcripts of courses successfully completed.

An "eligible course" is a course that is not comparable to a course taught in the high school the student attends. The purpose of this program is not to supplement the local curriculum, but rather to provide students an extended program of study in an area of interest. Local school boards determine if the post-secondary courses are comparable to courses taught in the local school districts. Speak with the counselor on whether or not a course qualifies for this program. This option is available for all 11th and 12th grade students. It is also available to 9th and 10th grade students who have been identified as gifted according to the school's identification procedure. According to the Senior Year Plus guidelines, students cannot exceed 23 college credit hours a year. This would include any college level course taught at their high school. Students can only take PSEO courses if the course is not offered at the high school.

These college level courses are available only to those students who meet the criteria set forth by the post- secondary institution for enrollment. The school counselor will assist students in taking the appropriate assessment to demonstrate a readiness for post-secondary coursework.

https://educateiowa.gov/sites/files/ed/documents/0910_pre_EASIER_28E_v_PSEO.pdf

Earlybird/Concurrent Enrollment Courses

The following is a list of Earlybird courses offered by Sioux Central High School or one of its partners. Credit from these courses will be accepted as transfer credit to all major universities, but the class itself may not transfer as a replacement class. It may only be accepted as an elective credit and the course may have to be taken again at that particular university. Please check to see how the course will transfer with the College or University you will be transferring in to. You can check the Iowa Regent Universities online at www.transferiniowa.org

Course Number	Course	Semester
Hours		
AGS-113	Survey of the Animal Industry	3
AGA-852	Principles of Crop Production	3
AGB-113	Intro to Agricultural Business	3
AGC-129	Sustainable Agriculture	3
ACC-111	Introduction to Accounting	3
ACC-311	Computer Accounting	3
BUS-161	Human Relations	3
BUS- 121	Business Communications	3
CIS-265	Photoshop I	3
IND-127	Shop Operations	1
CAD-101	Introduction to CAD	3
CAD-164	Solid Modeling	2
WEL-122	Beginning Welding	2
WEL-181	Gas Metal Arc Welding	
2		
CON-102	Intro to Residential Construction	2
CON-130	Concrete Theory	1
CON-131	Site Layout and Blueprint	1
MAT-743	Technical Math I	3
Off-Campus Concurrent Enrollment Courses:		
Storm Lake ICCC Campus		
AUT-108	Intro Transportation Tech	3
AUT-164	Automotive Engine Repair	4
AUT-503	Automotive Brake Systems	3
AUT-879	Automotive Lab I	1
DSL-323	Intro to Diesel Tech	3
AUT-610	Auto Electrical I	4
Methodist Manor Retirement Community Education Center		
HSC-172	Nurse Aide (CNA)	3
Cosmetology Concurrent Enrollment with Faust in Storm Lake		

AGRICULTURE

Any student in FFA must be in an Agriculture class for at least one semester each year for all four years.

Introduction to Ag, Food and Natural Resources (Ag Education I) (one year)

Introduction to Agriculture, Food, and Natural Resources (AFNR) will serve as the introductory course for the Sioux Central agriculture program. In addition to a brief overview of animal science, plant science, natural resources, and agricultural technology and systems, students will explore FFA, leadership, and science in agriculture. The course is designed with reading, science and math integration to assist students in building core concept skills in addition to hands-on agricultural applications of those concepts. Available to students in grades 9-12

Agricultural Science (Ag Education II) (one year)

The sophomore-level course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science. This class will give students some more immersion experiences in animal science, with additional experiences in plant science and ag business. Students will learn skills that apply to veterinary medicine. If you are interested in a career as a veterinarian, veterinary technician, or any other career in agriculture, this class would be a good class for you. Available to students in grades 10-12. Prerequisite: Ag I or teacher approval

Technology Integration (one semester)

Bringing precision agriculture to the classroom. This course will include precision agriculture training through modules, demonstrations, industry speakers, farm management, and job shadowing opportunities. There will also be a focus on drone usage in agriculture. (Must have teacher approval) **This course will be offered Fall 2021**

Survey of the Animal Industry (one semester) Concurrent Enrollment

The course explores issues impacting the United States and the international animal industry. The main emphasis of the course is on different breeds, basic management, and marketing of farm animals. The animals include beef and dairy cattle, companion animals, horses, poultry, sheep, swine, and their products. Available to students in grades 11 and 12. Prerequisite: Ag I and Ag II. **This course will be offered Fall 2021 (ICCC # AGS-113)**

Principles of Crop Production: (one semester) Concurrent Enrollment

This course is equivalent to Agronomy 114 at Iowa State University. This course is a study of principles of plant, soil and climate relationship and their impact on crop production and animal food supply worldwide. Other topics covered are plant identification, anatomy and growth, as well as tillage and planting, pest control, harvesting and storage. Each unit will utilize a critical thinking exercise. Available to

students in grades 11 and 12. Prerequisite: Ag I and Ag II. **This course will be offered Spring 2021 (ICCC # AGA-852).**

Sustainable Agriculture (one semester) Concurrent Enrollment

This course examines the social, economic, and scientific concepts relating to adding value to raw and processed agricultural products. The specific topics will include the impact of agriculture on economics, cultures, social structures, technologies, processing, products, nutrition and environmental issues resulting from adding value to agricultural products. Laboratory activities will provide opportunities for examining various technologies, evaluating products, examining nutritional advantages, assessing economic benefits to communities, and determining the environmental impact of various developments. Available to students in grades 11 and 12. Prerequisite: Ag I and Ag II. **This course will be offered Spring 2022 (ICCC # AGC-129)**

Intro to Agricultural Business (one semester) Concurrent Enrollment

This course is an introduction to agribusiness management. It will emphasize the application of basic, practical business management skills in marketing, demand analysis, forecasting, production, finance, and leadership with a global perspective. Available to students in grades 12. Prerequisite: Ag I and Ag II. **This course will be offered Fall 2020 (ICCC # AGB-133)**

Agriculture Leadership (one semester)

The purpose of this course is to enhance student's leadership skills through personal development. Students will learn the fundamentals of communications and leadership in agriculture. We will focus on understanding leadership, communication skills, leading individuals and groups, managerial leadership, personal development, and transitioning to work skills. All students are encouraged to be involved in a SAE project. Available to students in grades 12. Prerequisite: Ag I and Ag II and/or teacher approval. **This course will be offered Spring 2021**

Environmental and Natural Resources Management (one semester)

Within this course students will understand the history, investigate the importance, and evaluate both the natural and man-made effects on wildlife, fish, and other ecosystems. Students will research and construct a plan to help aid wildlife management. This class will explore environmental concerns, wildlife, fish, soils, and conservation. Career options in these areas will also be explored. Available to students in grades 11 and 12. Prerequisite: Ag I and Ag II and/or teacher approval. **This course may be offered Fall 2020.**

Horticultural Science (one semester)

This course will introduce students to areas and concepts involved in Horticulture. Students will demonstrate scientific principles and concepts through classroom work, discussions, hands-on experiments, and projects. This course will give students a better understanding of the environment, plant growth, plant classification and identification. Horticulture careers and opportunities will also be explored. All students are encouraged

to be involved in a SAE project. Available to students in grades 11 and 12. Prerequisite: Ag I and Ag II and/or teacher approval. **This course may be offered Fall 2020.**

Ag Sales and Marketing (one semester)

This class will examine many aspects that apply to the business of agriculture and the unique characteristics that make ag different from other industries. We will examine commodity marketing, ag sales techniques, marketing, and advertising of an agricultural product. This class takes a lot of the basics of agricultural business and provides the application piece to help students understand the content. Look at some ag law aspects and transition planning will also be discussed. If you are interested in a career in ag business, ag economics, marketing, sales, or production agriculture, this class might be for you. Prerequisite: Ag I and Ag II and/or teacher approval. **This course may be offered Spring 2021.**

ART

Art 1 (One Year)

This course provides an introduction to art through a multimedia experience. Students will learn and apply the elements and principles of design to produce creative art projects that reflect their understanding of these concepts. All work will be displayed. Art 1 is a prerequisite to take any additional art class. Available to students 9-12.

Drawing (1st Semester)

Drawing is a course that provides an introduction of various drawing techniques using a variety of drawing mediums to become more skilled artists. Students will continue to strengthen their understanding of the elements and principles of design. All work will be displayed. Prerequisite Art 1. Available to students 10-12.

3-D (1st Semester)

Students will design and construct realistic and abstract sculptural forms using a variety of materials, tools, and techniques. Students will continue to strengthen their understanding of the elements and principles of design to apply them to a sculptural form. Prerequisite Art 1. Available to students 10-12.

Painting (2nd Semester)

Painting is a course that provides an introduction of various painting techniques. Students will gain a better understanding of color theory through the use of different color combinations in their artwork. Students will continue to strengthen their understanding of the elements and principles of design. All work will be displayed. Prerequisite Art 1. Available to students 10-12.

Advanced Art (2nd Semester)

Students will have the opportunity to advance their skills in painting and drawing. Students will also learn and explore new art techniques that have not been taught in previous classes. The goal of taking this course is to enhance and build your artistic

skills. All work will be displayed. Prerequisite Art 1, Drawing, Painting, and 3-D. Available to students 11-12.

Studio Art (One Semester)

Studio is a course that allows you to explore the different possibilities of art mediums and ideas. Experimenting and trying new art techniques is highly encouraged in this course. The end goal of studio is to find what art medium suits you best and creating your own body of work. Caution this course is for reliable and motivated students who are serious about art and willing to take risks in their art making experience. All work will be displayed. Prerequisites Art 1, Drawing, Painting, 3-D, and Advanced Art. Only available to seniors.

BUSINESS EDUCATION

Introduction to Business I (1st Semester)

The business world is an exciting and always changing adventure. This class consists of numerous real-life activities in order to give students a foundation in the business world. Topics addressed in this course include things such as the basic economic concepts: The Economy and You (basic economic concepts, resources, activity, and business ethics and social responsibility), Owning and Operating a Business (introductions to the management and business world), Influences on business (global business, government and business, and financial institutions), and basic marketing concepts.

Introduction to Business II (2nd Semester)

This course will introduce students to additional business concepts to further their knowledge of the business world. Real world concepts addressed in this course include: payroll calculation, forms, and taxes; computation of income tax; stock market principles and the relationships to the economy; and entrepreneurship. Students will work through the steps to create an individual business of their choosing while following the proper procedures for starting a business. Students will understand the risks and rewards involved, market analysis, profit/loss, marketing strategies, writing a business plan, and presenting the final business plan to an audience. Introduction to Business I prerequisite or instructor approval.

Introduction to Accounting (first semester) Concurrent Enrollment

The general objectives of the accounting course are as follows:

1. Accounting is an essential subject, for everyone needs some sort of financial records.
 2. Accounting can also be used as a vocational or professional subject by the students.
 3. To develop usable accounting fundamentals for the students.
 4. To provide accounting background so that the student may operate his own business.
- Available to students in grades 11 and 12. **(ICCC # ACC-111)**

Computer Accounting (second semester) Concurrent Enrollment

The course is designed to provide the student experience in handling automated accounting in a number of areas. These include General Ledger, Accounts Receivable, Accounts Payable, Payroll, Depreciation, Inventory and Accounting Statement Analysis. Simulation of business and its activities are processed through the entire accounting cycle culminating in the various accounting reports. The applications will be done on a computer. **Prerequisite: ACC-111 Introduction to Accounting (ICCC # ACC-311)**

Marketing (one semester)

This course covers the design of business strategies and its implementations in marketing plans. As organizations have become more customer oriented, marketing strategy and planning has developed into a critical managerial activity. This course will also study consumer behavior, marketing research, pricing, distribution, promotion, product strategies and the influence of external factors. The roles of ethics, corporate social responsibility, and public policy that are intrinsic to marketing decision making in global environments will be explored. Available to students in grades 10-12.

Business Law (one semester)

This course is designed to provide students with an overview of our legal system, including statutes and regulations that affect businesses, families, and individuals in a variety of ways. Knowledge of business law is particularly useful because all students eventually assume the role of citizen, worker, and consumer in society. Available to students in grades 10-12.

Human Relations (one semester) Concurrent Enrollment

This course introduces students to the importance of people skills and personal strategies needed for anyone working in business today. By focusing on working with others in a business setting - coworkers, consumers, and vendors, the students will learn the dynamics occurring at every level of organizations by examining the people, practices, and events that make the world of business what it is today and will be tomorrow. Available to students in grades 11-12. **(ICCC # BUS-161)**

Business Communication (one semester) Concurrent Enrollment

Introductory course designed to help you develop and refine the skills necessary to communicate effectively in a professional business environment. The focus will be on communicating clearly, concisely, considerately, and correctly, both orally and in writing. You will learn to plan, compose, and evaluate business documents, including letters, memos, and business reports; to use technology to communicate, including email and discussion boards; and to prepare and deliver oral presentations. The course will also contain an introduction to employment communication, including resume, application letters, and interview skills. Emphasis throughout the course will be placed on intercultural communication and the ethics of communication. Teaching/learning methods will include reading, close analysis of business and professional documents in-class writing and oral exercises, brief lectures, formal writing assignments, group projects, and examinations. Available to students in grades 11-12. **(ICCC # BUS-121)**

COMPUTERS

Fundamentals of Computers I (One Semester)

This course is designed to refine student's skills in using Microsoft Word. Students will produce documents that can be used in their academic and personal activities. Upon completion students will have acquired an understanding of Word basics, basic editing and formatting, controlling text, graphics, and organizing a document. This course is also designed to refine student's skills in using Excel and PowerPoint. With Excel, students will learn how to set up spreadsheets, use graphs and charts, use mathematical formulas, among other topics. In PowerPoint students will use various tools such as text, graphics, clipart, and animation to create effective presentations that will grab and maintain an audience's attention. Students will reinforce their learning through realistic applications using hands-on tutorials. Available to students in grades 9-12.

Multimedia (One Semester)

To compete and succeed in today's digital world, high school students must have the opportunity to learn how to design, create and present a host of multimedia projects. Today's students must be proficient with a variety of multimedia outlets. Multimedia is a course designed to educate students on the ever-changing digital world, as well as to provide hands-on experience with various projects. This hands-on course applies publishing and presentation concepts through the development of business documents and media projects. These documents may include brochures, reports, programs, newsletters, flyers, graphs, web pages, presentations, video productions, graphic design, animation, audio production, and web design. Equipment such as computers, iPads, scanners, digital cameras, video cameras, and printers will be utilized. Formatting, editing, page layout, and design concepts will be focused on in every

project. Students will develop communication skills, problem-solving techniques, cooperative learning, and interpersonal skills. Available to students in grades 9-12.

Web Application (One Semester)

Ready to master the basics of coding? Students will explore the fundamentals of Swift, the programming language used to create apps for Apple products. By solving puzzles in a dynamic 3D world, students will develop coding skills to build up their basic programming vocabulary. The best part is, this class requires no previous coding knowledge, so it's perfect for any students looking to explore the world of coding. Their coding journey begins with simple commands, functions, and loops. From the start, they will write real code, the same code used by real programmers. After mastering the basics, students will begin to learn about conditional code that responds to changes in the environment. As they put these skills together, they'll develop simple, powerful algorithms that use the same code to solve a range of different puzzles. Available to students in grades 9-12.

Photoshop I (1st Semester) Concurrent Enrollment

Get a thorough grounding in Adobe Photoshop and Adobe ImageReady, the must-have digital imaging programs for today's web and print designers. Hands-on projects include working with layers, making selections, incorporating color technique, creating special effects with filters and more. Create complex web graphics such as rollovers and animations. Available to 11th and 12th grade students. No prerequisites. **(ICCC # CIS-265)**

Photoshop II (2nd Semester)

How well do you know Photoshop, the design world's favorite application? If you've got a good grasp of the basics but you're itching to learn more, this course is for you. In this project-based class, students will learn about adjusting colors, using clipping masks, paths, and shapes, transforming type, liquifying an image, performing total makeovers, creating comprehensive projects, and much more. Students will prepare portfolio-level pieces and gain a deeper understanding of CS6. Available to 11th and 12th grade students. Prerequisite: Photoshop I.

News Production/Yearbook (one year)

This course will rely on students' desktop publishing skills to prepare the annual and programs for school events. Students will develop skills in writing and editing stories, headlines and captions. Students will also learn the basics of production design, layout, and the printing of a publication. Students may take only one semester with the instructor's approval. Students will be required to spend a substantial amount of time outside of the class period to accomplish their tasks. These tasks include soliciting sponsorship and taking pictures at school events. Available to students in grades 11-12.

1412 DRIVER'S EDUCATION

The primary objectives of driver's education are to prepare students for the serious task of driving in our complex society today. The specific goals are:

1. To develop the physical and mental skills necessary to operate a motor vehicle safely and economically.
2. To inform students of laws governing the operation and ownership of a motor vehicle.
3. To acquaint students with driving techniques and strategies for dealing with emergencies and for avoiding collisions.
4. To build students' perceptual and decision-making skills.
5. To make students aware of their responsibility for safe vehicle operation, including the importance of safety belts and the dangers involved in mixing driving with the use of drugs and/or alcohol.
6. To encourage an attitude of cooperation with other highway users including pedestrians, motorcyclists, and other drivers.

The course will also be designed to meet the State of Iowa requirements of:

1. At least 30 classroom hours.
2. Minimum of 6 hours behind the wheel with the instructor.
3. At least 6 hours of observation.

Available to students at least 14 years of age when the class starts who have completed 8th grade and hold a valid permit. This course is offered only in the summer. An elective fee is required and no academic credit is given.

FAMILY AND CONSUMER SCIENCE

Introduction to Family and Consumer Science (1st Semester, 2nd Semester, or all year)

For 9th grade students or for anyone in the high school never enrolled in a Family and Consumer Science course. This is an introductory course which begins with self-discovery, goal setting, decision making skills, and resource management. The remainder of the first semester is a study of nutrition and food preparation. Second semester contains units on clothing selection, an introduction to textiles, and the construction of a simple sewing project. Students are responsible for providing fabric and notions for their projects. The last quarter focuses on the study of families and

childcare and interior design. Available to any students in grades 9-12. No Prerequisites.

Foods and Nutrition (1st Semester)

This course highlights Nutrition, Consumer skills, and basic food preparation skills and techniques. Students will spend the first quarter studying nutrition, consumer skills, cooking and baking techniques and etiquette. The second nine weeks, students will work in lab groups planning labs, practicing techniques and preparing food in the kitchen. This course will highlight nutrition as a lifestyle and students will be encouraged to use this way of thinking as they plan their cooking labs.

Available to students in grades 10-12. Prerequisite: Successfully complete 1st semester of Intro to Consumer Science or teacher approval.

Clothing and Sewing (2nd Semester)

This course is centered on the study of textiles, their care and uses, the history of clothing, wardrobe planning, and the consumer skills for clothing purchases. The fourth quarter will be entirely clothing construction. Students may choose from personal clothing projects or non-clothing projects such as quilting. Students are responsible for providing fabric and notions for their projects. Available to students in grades 10-12.

Advanced Food Preparation (1st Semester)

An introduction to professional food services is the basis of this class. In this class, you will learn and practice the fundamentals of food preparation, kitchen safety and sanitation, knife skills, and preparations of fruit, vegetables, salads, sauces and meats. You will have the opportunity to explore foods in other cultures as you practice these new skills. During the last part of this semester we will operate a bake shoppe which will include candies, pies and pasties.

Available to students in grades 11-12. Prerequisite: successful completion of Food and Nutrition

Food Preparation Internship (1st or 2nd semester)

Available to select students who are looking for a hands-on work experience in the food preparation field. Shopping, Selling, Packing and distributing sack lunches for after-school sports, practicing kitchen safety and sanitation, and taking shifts serving students in our school food service. This is an excellent extension for those interested in Culinary arts, or who may consider a job in the food service industry.

Available to students in grades 11-12. Prerequisite: Successful completion of Food and Nutrition, and also teacher approval.

Food Practicum (2nd Semester) This class offers students a practical view of the professional restaurant business. Students actually operate a student-run restaurant, Delish Central, where they are in charge of menu planning, serving, planning, baking/cooking, budgeting and clean up. Students will act as managers, bookkeepers,

employees, and owners of their own business. Collaborating as a group, effective planning, evaluation of product and process, employability skills, and effective communication will be topics discussed and implemented in this class. Students will apply for a position in this class by filling out an application and interviewing. Limited openings. Available to students in grades 11 - 12. Prerequisite: Advanced Foods.

Advanced Clothing and Sewing (2nd Semester)

Students will develop skills in clothing construction, quilting, or implement ideas using recycled fabrics. Students may also select individual projects using other sewing techniques. This is a project-based class where students set goals and work to achieve them. Students will also display their finished products at Fine Arts Night. Students are responsible for providing fabric and notions for their projects. **This course will be offered every other year, starting in the Spring of 2021.** Available to students in grades 11-12. Prerequisite: Successful completion of Clothing and Sewing or teacher approval.

Early Childhood Education (2nd Semester)

This course is intended for anyone who is interested in going into early childhood education or any career that works with children. This course will cover growth and development of children in educational settings, and will include planning and implementing of developmentally appropriate learning activities, classroom observations, and a study of social, emotional and physical challenges that may affect learning. Students will observe different teaching techniques for different instructional purposes. **This course will be offered every other year, and will be offered again in the Spring of 2022.** Available to students in grades 11-12. Prerequisite: Child Development

FOREIGN LANGUAGE

**All students planning to attend a 4-year college or university should take 2-4 years of foreign language in High School.*

Spanish I (one year)

Spanish I is an introduction to the study of a new language and to the culture of Spanish speaking countries. Students will be able to greet and introduce themselves, listen, complain, state likes and dislikes, and describe objects/placement. Students will be able to form basic conversations in the present tense.

Available to all students in grades 9-12. No prerequisites.

Spanish II (one year)

Students will complete a thorough review of first year material. New vocabulary and grammar concepts will be learned. Students will begin to converse in Spanish in mini-conversations. Students will be able to explain situations, give directions, compare,

contrast, select items, make excuses, negotiate, and brag. They will also be able to supply information about their past and present life events.

Available to students in grades 10-12. Prerequisite: Spanish I.

Spanish III (one year)

Students move toward mastering communication skills in Spanish. Students memorize vocabulary, learn grammatical rules, master verb conjugation and initiate simple conversation in the Spanish language. Students will be able to apologize, persuade, make requests, predict, hypothesize, give excuses and advice, and blame someone else. Students will be able to form a conversation in the past, present, subjunctive, conditional and future tense.

Available to students in grades 11 and 12. Prerequisite: Spanish I and II.

Spanish IV (one year)

Students are expected to immerse themselves completely in the Spanish language language and culture. Most conversation will be conducted in the Spanish language; students are expected to read and speak in Spanish. Students will be able to justify themselves, convince, argue, hypothesize, give details and critique in Spanish. All grammar points should and will be mastered at this point.

Available to students in grade 12. Prerequisites: Spanish I, II and III.

INDUSTRIAL TECHNOLOGY

Introduction to Manufacturing (one year)

Are you ready to develop skills in working with tools and materials? Can you accept the challenge of planning and making a product yourself? Would you like to work with others and put together several products (mass production)? Or, how about making some products to sell to others? Taking this course, you will learn good work habits around machines, how to work together in a safe atmosphere, and how to perform with woodworking tools, metal working tools and more. Projects will be mainly constructed from wood and metal through individual production. Textbooks, workbooks, hand tools, power tools, and safety tests will be used. We will cover the basic elements and concepts of drafting while providing many experiences that help the students make the transition from traditional drafting to CAD comfortably.

Available to students in grades 9-12; 9th graders will be given priority. No Prerequisites.

Introduction to the Built Environment (one year)

This is a course that will be an introduction to the carpentry industry. We will cover many of the different jobs and trades that would be involved in carpentry. Safety of power tools, building materials, careers, and more are just some of the areas that will be covered during class. With this class, there will also be lab work that will include some basic woodworking and cabinet making techniques that will be done in the shop. This is

an exciting course with wood projects where you can enjoy working with other students and good tools.

Available for students in grades 10-12. In order to be in the course for second semester, students MUST be in it first semester.

Advanced Woodworking (one semester)

Students will have a full semester of the enjoyment of constructing individual advance production project or projects in the area of wood and metals. The student will draw up plans on the AutoCAD, make out a Bill of Material and Plan of Procedure, construct a working calendar, and Contract a due date for completion of Production. This is a great course, designed to allow the student to put together all the different skills they have gained from past Industrial Arts Courses. Available to students in grades 11 and 12. Prerequisite: Intro to the Built Environment.

Shop Operations (one semester) Concurrent Enrollment

Students will be able to receive one high school credit and one college credit for shop operations in the area of manufacturing technology. Students will learn the basics of the metal shop with areas of instruction in shop safety, proper usage of metal hand tools and equipment, fasteners, tap and die, spot welders and acetylene torch operations. There will be a small unit on CNC operations. Production material will be of plastic, metal and wood.

Available to students in grades 11 and 12. **(ICCC # IND-127) Prerequisite: Intro to Manufacturing. Limit of 8 students**

Introduction to CAD (1st Semester) Concurrent Enrollment

Students will be able to receive High School credit and three College credits in Introduction to CAD. This is a one-semester program, working with AutoCAD up-to-date software. The student is shown the importance of the computer files, word processing to prepare documents, and AutoCAD to create engineering drawings. Students will experience production projects. Students will be able to receive a High School credit and one College credit in Intro to CAD. The Course is designed for student to learn how the CAD program works. Students will also read and interpret machine drawings along with communicating symbolically using standard industry representations. Available for students in grades 11 and 12. Prerequisite: Intro to Manufacturing is strongly recommended but not required. **(ICCC # CAD-101) Class limit of 10 because of licensure.**

Solid Modeling I (2nd Semester) Concurrent Enrollment

Students will be able to receive High School credit and two College credits in Solid Modeling I. The students will be introduced to the principles of parametric design using computer aided design software. Students will construct digital models by use of elements of geometry, modeling theory, and parametric workflow. Topics will include sketching, constraining, feature construction, combination modeling methods and mating. Solid Works will be the main program used.

Available for students in grades 11 and 12. **(ICCC # CAD-164)** Prerequisite: Intro to Manufacturing or teacher approval.

Beginning Welding (one semester) Concurrent Enrollment

Students will be able to receive one high school credit and two college credits in the area of Arc AC-DC Welding. This course is a beginning welding course, designed to give students proficiency in the theory and operation of A.C. and D.C. welding. Students will learn blueprint interpretation, safety as applied to the A.C. and D.C. welders, and mathematics used in welding operations. Joints and drafting will be incorporated into the Production of individual projects. This is an exciting course for young welders. Available for students in grades 11 and 12. **(ICCC # WEL-122)** Prerequisite: Intro to Manufacturing.

Gas Metal Arc Welding (one semester) Concurrent Enrollment

Students will be able to receive one high school credit and one college credits in the area of Mig (wire) and Tig welding. This course is a beginning-welding course, designed for students to learn Gas Metal Arc Welding (GMAW) and Gas Tungsten Arc Welding (GTAW) with application to blueprinting, welding symbols, safety and metallurgy. Drawing and design of welding projects are examined and practiced. Spot Welding along with Sheet Metal Production Projects will be included. Lab joints mathematics and drafting will be incorporated into Production of individual projects. Available for students in grades 11 and 12. **(ICCC # WEL-181)** Prerequisite: Beginning Welding.

Building Trades – (one year) Concurrent Enrollment

Iowa Central – Introduction to Construction, 2.0 Semester Hour College Credit for Full Year. The Building Trades Program provides instruction in the construction trades field. Practical experience provides at a housing construction site will include: Occupational Orientation, Safety, Residential Construction Theory and Practice, Plan Reading, Care and Use of Tools, and instruction in related areas of Electrical, Plumbing, Heating, Concrete, and Masonry. Class limited to 10, admission based on previous Industrial Arts coursework. Prerequisite: Intro to the Built Environment.

CON 102 - Intro to Residential Construction (1st semester) 2 credits

CON 130 - Concrete Theory (2nd semester) 1 credit

CON 131 - Site Layout and Blueprint (2nd semester) 1 credit

LANGUAGE ARTS

English I (one year) *Required

English I gives students an overview of literature types and genres. Speaking skills, formal writing, creative writing, and vocabulary skills are integrated into the literature units.

Required course for all 9th grade students. No prerequisites.

English II (one year) *Required

This course encourages the development of communication and interpretation skills by offering a variety of reading, writing, and speaking opportunities. The course empowers students to demonstrate literacy through a variety of technologies and across various platforms. Students will analyze and interpret numerous forms of communication.

Required course for all 10th grade students. Prerequisite: English I.

Composition/American Literature (one year)

Composition: Papers are written in composition class that prepare students for college and make a connection to students' lives. All four writing genres are covered: expository, persuasive, narrative, and descriptive. Writing may include short stories, summaries, persuasive essays, research papers, and literary evaluations. Vocabulary is also stressed. Recommended for 11th grade students planning to attend college.

American Literature: Students will study a variety of literary forms which will include poetry, short stories, essays, novels, and drama. Emphasis will be on major American authors and their works as we work our way through the literature and time periods that formed not only America but American authors as well. Recommended for 11th grade students planning to attend college.

Prerequisites: English I and II

Essentials of Reading and Writing (one year)

This course will include writing experiences needed for daily life. These will include resumes, job applications, letters, technical writing, and instructions. There will also be studies in proper use of punctuations and style. The course will also include reading instruction and techniques for technical, non-fiction, and fiction texts of varying lengths and difficulty. Literacy content is inspired from current events, daily life experiences, work place situations, and college readiness experiences. Recommended for 11th grade students who would benefit from reading and writing instruction to help improve proficiency or reach proficiency. Prerequisites: English I and II. The class may be taken for both semesters or first semester only.

Creative Writing (one semester)

The students learn creative writing techniques in the areas of poetry, short stories, and one-act plays. The class is designed in a writing lab format, and students are required to create several original writings in each area. Students incorporate all forms of communication including, but not limited to: writing, speech, art, design, and animation. Students are part of a blogging community using technology to connect, to publish, and to empower their work. The class also partners with an elementary course serving as blogging mentors. Students contract for an independent study project during the second quarter of the course. This course is helpful for college-bound students, for those interested in exploring writing as a profession, or for those who would like to explore their own creativity. Available to 12th grade students. Prerequisites: English I and II.

Speech (one semester) *Required

Speech does more than train students for public speaking. An emphasis is placed on improving self-confidence and the ability to express thoughts and feelings in a variety of communication situations as well as develop good listening skills. Some time is spent looking at the nonverbal side of communication and the effects it can have as well. Some of the units and speeches covered include informative, demonstration, a variety of social speeches, the commencement speech, and technology-aided presentations. Students are required to present to audiences other than their classmates and teacher. Available to 11th and 12th grade students.

Novels (one semester)

Students will study a variety of contemporary and classic novels. Emphasis of this course will be on literary analysis and interpretation of the social implication through themes, characters, symbols, and settings. Students will have access to literature (English, American, and World), science fiction, contemporary novels, autobiographies, and biographies. The class will include student/teacher conferences to discuss these elements on an individual basis to support the student's individual reading. Students will use their reading as inspiration for their Reading Aware project: read something, be inspired, do inspire others. Students will use a blog to reflect and connect. Students and teacher will contract reading based on difficulty of choice reading, length of choice reading, and reading level. Available to 12th grade students.

English Language/Composition (one year) – Advanced Placement

According to the CollegeBoard, “The AP English Language and Composition course is designed to help students become skilled readers of prose written in a variety of rhetorical contexts and to become skilled writers who compose for a variety of purposes. Both their writing and their reading should make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. As in the college course, the purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers.” The course will explore purpose, argument, and analysis teaching students to examine texts and visuals critically. As interest continues, students will connect their learning by taking part in a Fantasy Supreme Court League making educated predictions on court cases heard during the year and blogging in response to prompts provided by the Fantasy Supreme League. Students will also participate in a service learning writing project volunteering time, and then writing inspired from the work. To enter the course, students must complete the required summer reading prior to the start of class. Available to 11th grade students. Prerequisite: A combination of teacher recommendation, ITED score, GPA, successful completion of English courses. Principal and/or counselor approval.

MATHEMATICS

Applied Math (one year)

This class emphasizes real life problem solving skills. Topics covered include; number operations, conversions, and basic level statistics. Placement in this class will be determined by instructor.

Consumer Math (one year)

This class is set around the use of math in the “everyday world.” Included are loans, interest, insurance, stocks, paychecks, housing costs, checking and saving accounts, taxes, transportation budgeting, and personal services. We will also be incorporating spreadsheets and how they can be applied in real world applications. Consumer math is useful for all students.

Available for students in 11th or 12th grade (students in grades 9 and 10 may be admitted with teacher approval). No prerequisites.

Algebra I Part I (one year)

This course will cover many of the Algebra 1 concepts but at a slower pace. We will dig a little bit deeper into Algebraic concepts enabling students to get a better foundation to succeed in Algebra 1. It is intended that after completing this class, students will confidently and successfully move on to Algebra 1 the following year. This class is available for students in grades 9-12 who have not taken Algebra 1. Instructors will have input as to who can take the class.

Algebra I (one year)

Algebra is a branch of mathematics that uses letters to denote quantities and equations to solve problems. Students learn to deal with abstracts and develop manipulative skills to the extent that the student can use algebra as a tool in problem solving. It is a year course offered primarily to ninth grade students. It should be considered a requirement for “college bound” students and of value for “voc-tech” students. Students of average mathematical ability should be able to succeed in the course.

Available for students in grades 9-12. Prerequisite: approval from 8th grade math teacher.

Geometry (one year)

Geometry is a course that deals with geometric figures (lines, angles, and polygons) in the plane and in space. The properties of geometric figures are studied and these properties are used in problem solving. There will be investigations and applications that will be done with Geogebra. (A program that is downloaded on students’ computers). The course is an aid in logical thinking as considerable time is spent on the development of the deductive method of reasoning.

Available for students in grades 9-12. Prerequisite: Algebra I.

Algebra II (one year)

Algebra II is a year course that improves problem-solving skills. Topics studied include equations, functions, inequalities, linear programming, matrices, graphs, use of graphic calculators, logarithms, sequences, trigonometry, probability, and statistics. This course is a higher-level math course. Students entering into this course need to apply their prior math knowledge to complete more complex problems. Some study outside of class will be required.

Available for students in grades 10-12. Prerequisite: Algebra I and Geometry

Introductory Statistics (one semester)

This is a one semester class that will introduce many facets of the statistics world in which we see every day. The applications span a range of topics that include business, sports, health, architecture, education, entertainment, political science, demographics, eating habits, and travel and leisure. Many different types of careers require an understanding in statistics or even require classes in college and this class will give you the foundation you need to succeed. Prerequisite: Must have successfully completed Algebra I and Geometry (Algebra II is recommended, but not required) and be in 11th or 12th grade.

Technical Math I (one semester) Concurrent Enrollment

Students will be able to receive High School credit and 3 College credits. This is an in depth applied mathematics course, which will teach or reinforce and apply basic mathematical skills that will be applied to the real life problems of today's world. Students will use the necessary skill to measure, analyze and make precise adjustments to industrial equipment. Available for students in 11th and 12th grade.

(ICCC # MAT-743)

Probability and Decision Making: Math in the Real World (one semester)

This course teaches students how to make decisions that make sense and feel right. Learn to use probability theory, decision trees, sensitivity analysis, and other mathematical tools to gain new insight into tough choices. The course also addresses the cognitive, emotional, and social aspects of making decisions. This material is typically taught to graduate students and business executives; students in this course will be among the first teenagers in the world to learn these important skills. At the end of this semester course, they will apply all the skills they learned to 2 major decisions projects that they will face in the near future. Available for students in grades 11 - 12. Prerequisite: Algebra I and Teacher Approval. *Tentatively offered*

Pre-calculus and Trigonometry (one year)

Pre-calculus is a study of functions, their inverses and composites, topics of analytic geometry, and other topics important to the study of calculus. Graphing calculators are used extensively in this one semester course. Students enrolling in this class should plan on spending significant time outside of class on course material.

Trigonometry contains an orderly development of trigonometric functions and their inverses. Topics included in the course are identities, trigonometric equations, graphs, solution of triangles, complex numbers, and polar coordinates. Students enrolling in this class should plan on spending significant time outside of class on course material.

Available for students in grades 11-12. Prerequisite: Successful completion of Algebra I, Geometry, and Algebra II.

Advanced Placement Calculus AB (one year)

This is a first course in integrated calculus and analytic geometry. The concepts of analytic geometry are studied as they apply to calculus. The calculus concepts covered include the rate of change of a function, limits, derivatives of algebraic, logarithmic, trigonometric and inverse trigonometric functions, applications of the derivative and an introduction to integration and its applications. Students will solve problems using technology. Students enrolling in this class should plan on spending significant time outside of class on course material. Available for students in grade 12. Prerequisite: Successful completion of Algebra I, Geometry, Algebra II, Pre-calculus, and Trigonometry.

MUSIC

Concert Band (one year)

Instruction from beginning notation and symbols to advanced rhythms and chord structures. Individual development of musical style and playing proficiency is encouraged above all else. Opportunities abound for the performing and appreciation of all styles of music. Individual performers are encouraged to participate no matter what their ability. Desire and effort is all that is required. Individuals are encouraged to start in the elementary grades, but anyone with an interest to participate is invited to begin. Performing opportunities include: marching band, concert band, pep band, jazz band, combos, honor band, solo and ensemble contest, All-State Auditions, All-State Jazz Band Auditions, and individual lessons. Band & Concert Choir will take place during an extended period.

General Requirements of the class are:

- Each student is required to have a weekly lesson.
 - Each student will participate in marching band and pep band. Exceptions are made for student athletes. There are NO conflicts between Band and athletics.
 - The Concert Band performs four general concerts. (October/December/March/May)
 - Each student will participate in Solo/Ensemble and Large Group Contests.
- Can be taken for No GPA. Available to students in grades 9-12.

Mixed Choir (one year)

The following concepts and performance skills will be studied: intonation, balance and blend, proper breathing, expression, rhythm, diction, and sight singing. Materials used range from classical choral literature to pop/rock and spirituals for SAB and SATB choirs. This group performs at four concerts during the school year and also performs at State Large Group Contest, the community Baccalaureate service and at Graduation. All High School Choir members are **required** to take **vocal lessons** with the vocal instructor. Students will attend lessons during study halls, although special arrangements may be made for a lesson before/after school if the student has a scheduling or academic conflict. Lessons range from 10-15 minutes in length each week.

Choir members have the option to participate in singing the National Anthem at home Varsity Volleyball, Basketball and Wrestling events and participate in State Solo/Small Ensemble Festival each spring. Entries for State Solo/Small Ensemble include solos, duets, trios, quartets, sextets, Chamber Choir, etc. The entire Mixed Choir participates in State Large Group Contest in May. Literature for both contests will be of classical

style and should present a challenge for the students. There is also the opportunity to be involved in the High School Fall Musical Production which occurs on odd numbered years. Band & Choir share an extended class period and meet Monday, Tuesday, Wednesday, Friday and alternate Thursdays. Can be taken for No GPA. Available to students in grades 9-12.

PHYSICAL EDUCATION *Required

Students must be enrolled in a PE class; they can choose to be in either Weight Training, Life-Time Sports/Team Sports, or Extreme Fitness. (Students involved in 2 athletic activities during the school year may waive one semester of PE per year with Principal approval.)

The main objectives of physical education at the high school level are to:

- 1) Further develop the team sports skills started at the junior high level.
- 2) Expose the student to a variety of Lifetime sports and activities that they may use in their leisure time now and during their adult years after graduation.
- 3) Provide a weight-lifting program that builds muscular strength and endurance.
- 4) Provide activities to develop fitness while also providing information so that students can maintain their fitness during their future years.
- 5) Allow the student time for relaxed social interaction with their peers.

Weight Training

This class will increase the participant's muscular strength and endurance. This will be done through the National School Fitness Foundation. It will involve both anaerobic & aerobic conditioning. Universal & free weights will be used for the complete program. It is open to anyone who desires to put forth the effort to achieve his or her goals. Some lifts included are Bench press, Squat, Military press, Hang cleans, Hip sled, Lat pull downs, and Jump rope. This class will be given a letter grade using the school grading scale. This class meets on Mondays, Wednesdays, and Fridays. Available for students in grades 9-12.

Life-Time Sports/Team Sports

The two classes will be combined and activities in both areas will be done. It is geared for those students who want to learn the skills for group participation in sports to be used throughout their adult lives. Some of the activities include Badminton, Pickle-Ball, Ping-Pong, Walking, Dance, Archery, Bowling, and Frisbee Golf. The team sports portion will have more competition between peers in class. The goals include teamwork, cooperation, having fun, and competition while practicing good sportsmanship. Some games include: basketball, volleyball, flag football, ultimate frisbee, soccer, American Road Tennis, and Snowshoeing. This class will be given a letter grade using the school grading scale. This class will meet on Tuesdays and Thursdays. *Available for students in grades 9-12. New legislation requires students participate in at least 120 minutes of physical activity each week. Students who sign up for Life-Time and are not involved in*

other athletic activities will need to participate in one additional physical education class each week in order to meet the requirement.

Extreme Fitness

This class will be for students who have a genuine interest in making themselves physically fit. Class will be held from 6:40-7:40 am. Students will have to apply to get into this course through Mr. Scharn, and approved by the Physical Education staff.

READING

One of our goals at Sioux Central Community School is to provide opportunities for students to better prepare themselves for the future. In order to do this, students need the skills to do so. All students who do not score proficient in the area of Reading on the Iowa Statewide Assessments may be required to take the Skills for Success class. This is a semester class for one elective credit.

Skills for Success (2nd semester)

Skills for Success will provide students with skills-based instruction in the subject of reading. The main purpose of this course will be to encourage and develop enthusiasm and skills for reading. This will include the reading of novels, newspapers, magazines, internet sources, and a variety of text styles. This course will focus on the five key skills that students must master to become effective readers: (1) vocabulary development, (2) fluency practice, (3) comprehension, (4) purpose in reading, and (5) lifetime reading applications. Students will increase knowledge of their own learning styles, studying techniques, and self-awareness as a reader and learner.

For students in grades 9-10 who do not score proficient in the area of Reading on the Iowa Statewide Assessments. Teacher recommendation and GPA will also be considered.

SCIENCE

Physical Science (one year) *Required

Physical science breaks down into eight unifying themes which are covered: study of physical phenomenon; the relationship between matter and energy; the elements and chemical properties of matter; the changes in phases of matter, force, work, and motion; heat and kinetic energy of molecules; wave properties of light and sound; and the use of electrical and nuclear energy. All of these areas are explored by use of text and laboratory investigations with emphasis on the scientific method.

Required for students in grade 9. No prerequisites.

Biology (one year) *Required

The biology course is designed to investigate the nature of living organisms. It begins by investigating the materials and energy for life, cellular nature, the reproduction of cells and heredity principles, and ends with how organisms interact with each other and the

environment. Laboratory work consists of microscopic studies, dissection, and other studies we have the facilities to do.

Required for students in 10th grade. Prerequisite: Physical Science

Health (One Year)

Health science will offer students an overview of health issues involving mental, emotional, and physical health. Students will explore challenges to public health access, strategies for improving personal health, all aspects of mental health, prevention of communicable disease (including AIDS) and noncommunicable disease, explore the science of substance abuse, discover personal nutrition needs, learn first aid techniques, and receive an intro into Anatomy and Physiology. As the health field is constantly evolving, this course will dig into advocating for better health. This course is great for students interested in living a healthier life or better understanding others, learning more about how our mind and bodies function together, and for future health care professionals. This course utilizes hands-on, online, lecture, and imagery to explore the content. This class can be used as an option for the third year of high school science credit. However, most colleges will not count this as a science unit for admission. Available for students in grades 9-12. No prerequisites.

Chemistry (one year)

Chemistry is a science which consists of the study of the structure of matter. The course also includes the study of the properties of the elements and the changes that take place when they combine to form other substances. Laboratory work is included as an essential part of the course. Presently it is aimed primarily at the eleventh and twelfth grade students who plan to continue their education beyond high school. In fact, most four year colleges and universities strongly encourage or require for students to take chemistry as a High School student.

Available for students in grades 11 and 12. Prerequisite: Physical Science, Biology (may take concurrently).

Biology (one year) Advanced Placement

The Advanced Placement Biology Course is designed to be equivalent to a two-semester college introductory biology course. The class is conducted at the college level and students are expected to work accordingly. AP Biology differs significantly from a traditional high school biology course due to text content, depth of material covered, lab work, and time and effort required to achieve mastery in subject area. The three general areas covered are Molecules and Cells, 25%; Genetics and Evolution, 25%; and Organisms and Populations, 50%. There is also a minimum of 12 multi-faceted laboratory exercises performed.

Available to 12th grade students. Prerequisite: A combination of teacher recommendation, ITED score, GPA, successful completion of Biology and Chemistry courses. Principal and/or counselor approval.

Physiology/Anatomy (one year)

Physiology is a course designed to help you understand the human body. The following systems will be studied in detail: respiration, muscular, skeletal, nervous, endocrine, circulation, and reproductive. Lab work will include dissection and microscopic studies. Available for students in grades 11 and 12. Prerequisite: Biology

Advanced Chemistry (one year)

Advanced Chemistry is a two-semester course that is an extension of chemistry. First year chemistry topics are reviewed with a greater emphasis on quantitative aspects. Topics include chemical reactions, acid-base reactions, redox equations, organic chemistry, environmental chemistry, and possibly nuclear reactions. This course is strongly recommended for students who plan on taking chemistry in college. Available for students in grades 11 and 12. Prerequisite: Chemistry.

Physics (one year)

Physics is an advanced science course, being primarily an extension of ninth grade physical science. Topics studied center around energy and its different forms, such as, forces, motion matter, sound, optics, electricity, and electronics. Students gain skills in problem solving using calculators and computers when advantageous. The course is beneficial to the understanding of our technological world. Available for students in grades 11 and 12. Prerequisites: College prep math classes (Geometry, Algebra II, Trigonometry) OR teacher approval.

SOCIAL SCIENCE

Geography (one year)

In Geography, the student learns many different things about the earth and man's relationship to it. We study about the Age of Discovery when some of the earliest explorers were discovering new parts of the world. We study how people have adapted to and changed the world around them. We attempt to examine each of the major regions of the world, so that each student will know where to locate different places throughout the world. These regions include the European culture region, Soviet culture region, Anglo-American culture, African culture region, and the Australian-New Zealand culture region. Hopefully, by studying the way of life of each of the cultures, the student can better understand the differences of people throughout the world. We also spend some time studying the geographical features of the world such as mountains, rivers, lakes, forests, and plains. This usually stimulates good discussion of the need for good conservation practices.

Available for students in grades 9-12. No prerequisites.

World History (one year) *Required

World History covers material in chronological sequence. We begin the course by discussing ancient civilizations. Then we continue on chronologically through the Middle Ages, the emergence of the Modern World, on to the World Wars, and ending with recent history. Occasionally we will put the book aside to discuss events that are currently happening.

Required for students in grade 10. No prerequisites.

U.S. History (one year) *Required

The main premise of this course is to study United States history in the 21st Century through reading, research, writing and discussion. This is a student-centered class with an emphasis on inquiry. We will learn, practice, and master critical thinking skills, persuasive and argument writing, as well as interpretation of original documents. Historical Thinking will be stressed as a strategy to use as we research key events of US history. Every activity conducted in class will be done in the group setting in order to foster discussion and different points of view. You will see how events of the past have influenced our present and future as we compare historical events to present day issues. Required for students in grade 11.

United States History (one year) Advanced Placement

AP U.S. History is a challenging course that is meant to be the equivalent of a freshmen college course and students have the potential to earn college credit. It is a two-semester survey of American history from the age of exploration and discovery to the present. Solid reading and writing skills, along with a willingness to devote considerable time to homework and study, are necessary to succeed. Emphasis is placed on critical and evaluative thinking skills, essay writing, interpretation of original documents, and historiography. A short research paper linking American literature and history is required. Prerequisite: A combination of teacher recommendation and GPA. Principal and/or counselor approval.

U.S. Government (one semester) *Required

The purpose of this course is to give students an introduction to the history of the development of governmental systems as well as the workings of our own present day system. Students will become aware that federal, state, and local levels of government are at work around us. The federal government is examined extensively attempting to see how it operates and how it affects us personally. Required for students in grade 12.

Sociology (1st Semester)

Sociology is an elective course that studies human society and social behavior. Positive human relationships are an essential part of a civilized society. Therefore, how we interact with each other is important so that we can find answers to questions and solve problems in our world. This course deals with the social atmosphere that helps to make us who we are and how we behave. This course will introduce you to this science

discipline by examining its history, the work of its early and contemporary contributors, essential concepts, research methods, theory and applications. I hope you will see how sociology can help you in improving your understanding of society as we explore the following points: Understand essential terminology and assumptions central to this science Understand how culture, socialization and social structure impact human behavior Apply the sociological perspective to a study of social class, deviance, race and gender Understand how sociologists examine the primary institutions of any society including religion, the economy, political structures, the family and the workforce Encourage students to apply sociological perspectives to their **own lives**. Available for students in grades 11 and 12. No prerequisites.

World Issues (2nd Semester)

World Issues is a unique course designed to teach students about the important events and issues our world is currently facing. Interpreting the events that occur in our world can be difficult, and our goal is exposure to the issues that are important to us while understanding other world issues such as humanism, new age, etc. and how they compare to worldview. Unlike most classes, this course's content may shift dramatically throughout the semester, depending on current events and other important issues that arise. As such, students are encouraged to "stay current" on the news by reading newspapers, magazines, and internet news, listening to radio news, and watching television news programs. Students will also need to develop their ability to read, analyze, and critically judge the media and the news it presents. They will be encouraged to interpret these events in an appropriate way and convey how these events apply to daily life. World issues will help us to understand the world around us and the complex issues facing Americans and other people around the world while preparing us to be informed, democratic citizens in a modern age. Students will also participate in class discussions and presentations, summaries, and daily journals. Class time will be used for discussion revolving around student presentations of world events in the news, and their examination of world views. From time to time, we will watch presentations on relevant material. Student participation and involvement are mandatory to make the class go! Available for students in grades 11 and 12. No prerequisites.

Philosophy of Character Development and Leadership (one semester)

This course is intended for students with various backgrounds and abilities. The elements of character and leadership are designed to motivate reflection, application, and actualization of social, emotional, and educational resilience. Students, along with educators, will address personal influences, expression of opinions, resolution of conflicts, while informed decisions about their future. Collaboratively, students will be challenged to achieve emotional and personal resilience, demonstrate academic success, and display leadership skills confidently. The academic content this course is cross-curricular, and involves tasks related to central text readings, role-plays, group discussion, personal reflection, and leadership projects. Available to students in grades 10-12.

OTHER COURSES

Young Adult Living (one semester) *Required

Young Adult Living is two, 9 week sessions that focus on Financial Literacy and 21st Century Life Skills.

Financial Literacy is an interactive and 9-week comprehensive curriculum designed for seniors who are preparing to manage their personal and family finances. The Overall Goal will be to Raise the personal financial capabilities of young adults and help consumers make informed financial choices in today's increasingly complex, connected world. The course content is from a holistic approach toward managing family finances including decision making skills, creating spending plans, saving, understanding consumer credit and insurance. Upon completion of the course, students will have an awareness of how financial decisions impact all aspects of their life. In addition, they will be instilled with the knowledge to make sound financial decisions as young adults. 21st Century skills is 9-week session that focuses on Life and Career Readiness skills, Health and Wellness, and on-line safety and ethics. The overall goal is to help young adults successfully transition into adulthood. Upon completion of this course students will complete a resume, cover letter, an online portfolio, and prepare for an interview. Students will be given tools to manage life-long health, wellness, and safety. In addition, students will focus on their roles and responsibilities as a citizen within a community, recognize their leadership qualities and discover ways to share their talents. Required for 12th grade students. No prerequisites.

Child Development and Parenting (one semester) *Required

The class will include dating and making decisions regarding family planning, pregnancy, prenatal development, childbirth, and physical, social, emotional, and intellectual development of children. Good parenting skills will be stressed. The class will include a variety of types of learning tools including the "Baby Think It Over" doll simulation, "Empathy Belly" simulation, and a field trip to the Obstetrics division of the hospital. Required for all students and available to students in grades 11 or 12 (10th grade with teacher and principal approval). No prerequisites.

Student Assistant (one semester or one year)

Interested students would have the opportunity to work with an elementary or middle school teacher. Some opportunities for assistants include tutoring, mentoring, working

with small groups during the elementary reading block, and assisting teachers in the classroom. This is a pass/fail class. In order to pass, students keep a daily log, write a 3-4 page reflection paper about their experience, prove to be responsible and reliable, and perform whatever tasks the supervising teacher asks them to do. If you would like to be a student assistant, indicate this on your course preference sheet. The school counselor will interview you about your interests and see if we can find a teacher for you to assist. Interested students could enroll for a semester (every day) or a full year (every day). It is also possible to participate in this program for community service hours instead of for credit. See Mrs. Lockrem for more information. Principal and/or counselor approval is required. Available for students in grades 11 and 12.

TALENTED AND GIFTED PROGRAM

Students are admitted into the high school Talented and Gifted (TAG) program based on Iowa Statewide Assessment scores, teacher observations, CogAT test scores, and parent input. High School students choosing to participate in TAG will contract to complete an individual project, or they will fulfill part of a team project such as Stock Market, Quiz Bowl, or Mock Trial. Students are encouraged to choose projects in areas in which they have an intense interest or in areas that will give them insight into possible careers. These projects can be completed either in or out of school. High school students who are active members of the TAG program are also eligible to begin taking dual credit courses during their freshman and sophomore years when appropriate.

OFF-CAMPUS CONCURRENT ENROLLMENT COURSES:

Auto Technology 1 (one year) Concurrent Enrollment

Iowa Central: Intro to Automotive Technology, Intro to Engine Repair, Intro to Brakes, 8.0 Semester Hour College Credit for Full Year. This program is designed to teach the theory necessary for success in the fields related to Engine Mechanics. Practical experiences are conducted in a laboratory setting. The topics covered include: small engine maintenance and repair, auto engine repair, engine performance, automatic trans/transaxle, manual drive train and axles, suspension and steering brakes, electrical systems, heating and air conditioning. This course is offered at the Storm Lake High School campus from 9:04 to 10:52 and 1:04 to 2:38. *Available to students in grades 11 and 12.*

AUT 108 – Intro Transportation Tech (3 credits)

AUT 164 – Automotive Engine Repair (4 credits)

AUT 503 – Automotive Brake Systems (3 credits)

Auto Technology II (one year) Concurrent Enrollment

Level II is intended for students going into a mechanical career. Auto Electrical Systems, Technical Math and Professional Development recommended as complimentary courses. This course is offered at the Storm Lake High School Campus. Available to students in grade 12.

AUT 610 - Auto Electrical I (1st semester) 4 credits

AUT 879 – Automotive Lab I (2nd semester) 3 credits
DSL 323 – Intro Diesel Tech (2nd semester) 3 credits

Cosmetology (one year) Concurrent Enrollment with Faust

3 Hours per Day- Mornings for a full year. Students will have the opportunity to gain a portion of the necessary hours required to become a licensed cosmetologist. The program is held at Faust Institute of Cosmetology in Storm Lake. Available to students in grade 12.

Certified Nurse's Aide Course – (one semester at Storm Lake) Concurrent Enrollment

The Nurse Aid course will consist of 30 hours of classroom instruction, 15 hours of lab, and 30 hours of clinical. Students will be given a skills checklist to assist the Nurse Assistant with the state test. Skills will be completed and checked off during lab and clinical experiences. Attendance is mandatory. Students must have 75 hours to receive their certificate. All students must have a background check, current physical, and TB test. The program will be held at the Methodist Manor Retirement Education Center in Storm Lake. Available to students in grades 11 and 12

SUMMER COLLEGE CREDIT PROGRAM

Iowa Central Community College Summer College Credit Program (SCCP).

The SCCP supports the Governor's Future Ready Iowa goals of providing greater access to college-credit coursework, and also encouraging students to pursue credentials linked to high-demand jobs. Iowa Central has been approved to offer three courses this summer:

BIO-168 Human Anatomy and Physiology I – Offered online only from May 19th through July 27th

HSC-113 Medical Terminology – Offered online only from May 19th through July 27th

HSC-172 Nurse Aide – Offered on campus at the Webster City and Storm Lake campuses only. Meetings dates/times are listed below:

- o **Webster City:** Class will meet Tuesdays and Thursdays from 8:00 am to 1:00 pm from June 9th through July 14th. The clinical days will run July 16th, 21st, 23rd, and 28th from 6:00 am to 2:30 pm.
- o **Storm Lake:** Class will meet Monday, Wednesday, and Fridays from 2:00 pm to 6:00 pm from June 10th through July 10th at the Storm Lake Center. The clinical days will run July 13th, July 15th, July 17th, July 20th, July 22nd, July 24th, July 27th, and July 29th from 4:00 pm to 8:00 pm in Newell.
- o Students will need to have a physical, 2 TB's, and complete paperwork for background checks, as required for the class, **before** the first day of the class. Students who have not completed these required components before class

starts, will not be able to take the Nurse Aide course. All students enrolling in Nurse Aide must also be 16 by the start date of the class.

The costs for these classes will be free to the students and school district. The State is paying Iowa Central directly to reimburse for any costs associated with the class including tuition, fees, texts, etc. Students in grades 9-12 (the summer between student's 8th and 9th grade year and any non-graduated 12th grade students) are eligible for the Summer College Credit Program. Students who are eligible will still need to follow the Senior Year Plus guidelines to enroll into college courses with the proficiency scores, application, etc. as they do with any other concurrent enrollment course.

Students who meet the requirements, must fill out a Summer College Credit Program application. Below is the link that you must use to complete the SCCP application. Students must fill out the form in its entirety and select the course(s) he/she wants to enroll into for the summer term. It is strongly encouraged that students do not take all 3 courses this summer. Space is limited to 10 students at each HSC-172 location. Enrollment in our online courses, BIO-168 and HSC-113, is limited to 40 students each. This enrollment will be based upon first come, first serve.

http://www.iowacentral.edu/online_learning/syp/sccp.asp