

Tekamah-Herman Schools



Course Description Guide

2019-2020
School year
*Last updated 2018-2019

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INTRODUCTION

The Tekamah-Herman High School Course Description Guide has been written to provide basic information about all courses offered at Tekamah-Herman High School. Information in the Tekamah-Herman High School Course Description Guide includes required course titles, elective course titles, the grade level(s) at which the course is offered, the number of credits for each semester that can be earned by taking the course and the prerequisites, if any, for each course. Prerequisites are what, if anything, is required before one can take a course.

The Tekamah-Herman High School Course Description Guide will help build an educational plan that will provide the best educational opportunities possible for each student at Tekamah-Herman High School. All students at Tekamah-Herman High School need to consider what skills they possess, what skills they want to acquire and what skills they need to acquire in order to do what they want to do in life.

COUNSELING OFFICE

The Counselor at Tekamah-Herman Schools is a certified/licensed educator with a master's degree in school counseling. The counselor is uniquely qualified to address all students' academic, personal/social and career development needs by designing, implementing, evaluating and enhancing a comprehensive school counseling program that promotes and enhances student success.

The counseling office at Tekamah-Herman Schools utilizes PowerSchool and Naviance as the career and college-planning tool. All students utilize Naviance for assistance with transcripts, letters of recommendation, documentation of test scores, college planning services, career inventories and personality assessments. Students also work with the Counselor to create Personal Learning Plans to assist them with their course selection throughout the four years of high school. Each student has access to their Personal Learning Plan by accessing their Naviance accounts and all Personal Learning Plans are kept in the Counseling Office.

The Counselor is also responsible for calculating and updating student cumulative grade point average (GPA) and class rank. Both are calculated at the conclusion of each semester when grades are finalized. Students will have access to this information through their Naviance accounts or by contacting the Counselor.

GRADUATION

The Counselor will be in regular communication with all students and parents regarding credits toward graduation. If a student is in danger of not graduating due to credits, the Counselor will communicate with the families of the student involved and work with all individuals to help the student works towards credit recovery.

GRADE POINT AVERAGE (GPA)

Your grade point average (GPA) is calculated by dividing the total amount of grade points earned by the total amount of credit hours attempted. For each letter grade, a point value is earned. The point values are as follows:

LETTER GRADE	POINT VALUE
A	4.0
B	3.0
C	2.0
D	1.0
F	0.0

All point values are added up for credit courses (physical education courses and quarter long courses do not factor into GPA) and the sum is divided by the total number of classes. The GPA for a student is cumulative and builds upon previous semesters. Students may use Naviance and PowerSchool to access their GPA as well as by contacting the Counselor.

CLASS RANK

Students are ranked in each class competitively with their peers in their grade. The Class rank is based on cumulative GPA. Class Rank is updated two times a school year and can be accessed by the student on their Naviance accounts or by contacting the Counselor.

STUDENT SCHEDULES

Schedules for the next school year are distributed to students at the end of the registration period. The Counselor works with students to select courses that will help the student in their future endeavors. It stands to reason that determining what students want to do in school is very closely tied to determining what students are prepared to do in school, as well as in life. Every effort is made to schedule a student in all of the courses that have been requested. Schedules are completed using PowerSchool. At the beginning of the school year, schedules are made available at least one week prior to the first day of the school year. Students will have three days at the beginning of each semester to make changes to their schedules with parent signature required for all classes dropped or added to their original schedule.

CREDIT RECOVERY

Tekamah-Herman Schools offers a three-week summer school credit recovery program each summer when the school year ends. Students can take up to three classes for credit recovery. Dates and times for summer school are adjusted each school year. The Principal and Counselor will make recommendations for individual students to attend summer school.

ASSIGNMENT AND CLASSIFICATION OF STUDENTS, AND GRADUATION REQUIREMENTS

Pupils will be placed by the elementary or secondary principal and staff, in cooperation with the parents or guardian, at a grade level to which they are best adjusted academically, socially, and emotionally. The final decision for placement of pupils shall lie with the building principal.

Students must successfully complete 220 hours of credit and the specific course requirements set by the Board of education to eligible to graduate from Burt County School District No. 1. The graduation requirements shall be:

Language Arts	40 hours
Mathematics	30 hours (must take course in grades 9, 10, 11)
Science	30 hours (must take course in grades 9, 10, 11 and successfully complete 10 hours of physical science and biology)
Social Studies	25 hours (must successfully complete 10 hours of Geography and American history, and 5 hours of American government)
Physical Education	15 hours (must complete 12.5 hours of PE and 2.5 hours of health)
Drivers Education	2.5 hours block (including summer driving time)
Others	2.5 hours Communications 10 hours Computer Technology (starting with Class of 2017)
Subtotal	155 hours
Electives	65 hours
Total	220 hours

The school district will review, adjust, and accept credits transferred from accredited institutions previously attended by a student.

Legal Reference: §79-526 District Board, Schools, Supervision, and Control

Adopted: June 1998
Revised: July 9, 2012

ADMISSION POLICY TO THE UNIVERSITY OF NEBRASKA

Accurate as of April 2009

Incoming freshmen students must have completed a core of selected high school courses as well as specific performance criteria listed below. If you graduated high school before 1997 visit the pre-1997 graduation admission requirements section.

Core Courses

There are 16 units of required academic courses required for admission. A unit is described as a Carnegie unit—one year of high school study or a semester or quarter of college coursework.

<u>Category</u>	<u>Units</u>	<u>Requirements</u>
English	4	All units must include intensive reading and writing experiences.
Mathematics	4	Algebra, algebra II and geometry are required for students seeking admission and, one additional unit that builds on the knowledge of Algebra.
Social Sciences	3	One unit drawn from American and/or world history; one additional unit drawn from history, American government and/or geography; and a third unit drawn from any social science discipline.
Natural Sciences	3	At least two units selected from biology, chemistry, physics, and earth sciences. One of the above units must include laboratory instruction.
Foreign Language	2	Both units must be in the same language. Students who are unable to take two years of foreign language in high school may still qualify for admission.

Performance Requirements

In addition to meeting the above core course requirements, traditional freshmen students seeking admission to the University should:

- be ranked in the upper one-half of their high school class, *OR*
- have received an ACT composite score of 20 or higher*, *OR*
- have received an SAT total score (Critical Reading and Math only) of 950 or higher

*Freshman applicants under 23 years of age are required to submit an ACT or SAT score. University of Nebraska at Lincoln's ACT code is 2482. University of Nebraska at Lincoln's SAT code is 6877.

AGRICULTURE, FOOD AND NATURAL RESOURCES

INTRODUCTION TO AGRICULTURE

Course Type: Elective

Grade Level: 9-12

Length: Two Semesters

Number of Credits – 5/semester

Prerequisites: none

Description: Introduction to Agriculture is an introductory agricultural course focused on learning and understanding all parts of the agricultural industry. Students will be exposed to agriculture principles that are currently being practiced within the surrounding community and Nebraska. This course is designed, as a beginner's course Students will be exposed to curriculum areas including the following: Careers in Ag, Supervised Ag Experience Programs (SAE), Intro. To record keeping, natural resource management, soil and water conservation, plant science, animal science, fundamentals of leadership, introduction to the Ag Industry, fundamentals of Ag Mechanics, applied technology in Ag, and Ag Relationships in society."

Textbook: AgriScience Fundamentals and Applications 4th Ed.
FFA Student Handbook

Website: agednet.com

Units of study:

1. Career Options in AgriScience
2. Leadership Development and FFA
 - A. FFA Creed
 - B. Greenhand requirements
 - C. Proficiency Award Applications
3. Natural Resources Management
4. Integrated Pest Management
5. Plant Science
 - A. Land Judging
 - B. Plant ID
6. Crop Production
7. Ornamental Use of Plants
8. Animal Science
 - A. Parts of livestock
 - B. Livestock Selection
9. Food Science and Technology
10. Communications and Management In AgriScience

ANIMAL SCIENCE

Course Type: Elective

Grade Level: 10 - 12

Length: Two Semesters

Number of Credits - 5/semester

Prerequisites: Introduction to Agriculture

Course Description: Animal Science is a course, which will center on the production and career opportunities involving the four main species of livestock in Nebraska. These four are beef animals, swine, sheep, and horses. The students will study and understand every phase of production. The student will develop a better understanding of where meat comes from and the wants and needs of the consumer. The course will include the following topical areas: feeding and nutrition, health care, housing, reproduction, birthing, finishing, slaughter, selection, training, and marketing.

Textbook: The Science of Animal Husbandry

Website: agednet.com

Units of study:

1. The Beef Industry
2. Beef Cattle Reproduction
3. Feeding Beef Cattle
4. Beef Cattle Selection
5. The Beef Carcass
6. Systems of Production
7. Use of Equipment
8. Diseases of Cattle
9. Reproduction, Feeding, and Management of Sheep
10. Sheep Selection
11. Lamb, Mutton, and Fiber
12. Diseases of Sheep
13. The Swine Industry
14. Swine Reproduction
15. Feeding Swine
16. Swine Selection
17. The Pork Carcass
18. Swine Management
19. Swine Health Management
20. The Horse Industry
21. Horse Reproduction and Management
22. Feeding Horses
23. Horse Selection
24. Diseases of Horses

PLANT SCIENCE

Course Type: Elective

Grade Level: 10 – 12

Length: Two Semesters

Number of Credits – 5/semester

Prerequisites: Introduction to Agriculture

Course Description: This course covers Plant Science, Biotechnology, and Agronomy and includes the following: Soils, plant growth and reproduction, DNA and gene splicing, fertilizers and nutrients, plant pest management, grain production, forage production, biotechnology's involvement in agriculture, leadership development, and continuation of SAE expansion.

Textbook: Introduction to Plant and Soil Science and Technology

Website: agednet.com

Units of study:

1. Plant reproduction
2. Plant growth
3. Soil material and formation
4. Land classification and use
5. Soil fertility and management
6. Land Judging
7. Biotechnology
8. Integrated pest management
9. Proficiency Award Applications
10. Diseases and control
11. Weeds and control

Agriculture Leadership

Course Type: Elective

Grade Level: 10 – 12

Length: Two Semesters

Number of Credits – 5/semester

Prerequisites: Introduction to Agriculture

Course Description: This course will cover Agriculture Issues in the Modern World, Parliamentary Procedures and Senior, Junior Public Speaking.

Agriculture Business

Course Type: Elective

Grade Level: 10 – 12

Length: Two Semesters

Number of Credits – 5/semester

Prerequisites: Introduction to Agriculture

Course Description: This course will cover Agriculture Sales and Marketing plans in Agriculture.

Natural Resources

Course Type: Elective

Grade Level: 11 - 12

Length: Two Semesters

Number of Credits – 5/semester

Prerequisites: Introduction to Agriculture, Animal Science, Plant Science or Agriculture Leadership and Agriculture Business.

Course Description: The students will identify principles of wildlife management and conservation. They will examine ecological concepts, habitat management, wildlife species identification, and recreational opportunities that the environment and wildlife provide. By doing this the students will examine the close ties among living organisms as well as natural and environmental concerns and use their problem solving skills to help create potential solution to help the world around us. Students will look closely at Nebraska's natural resources and management techniques. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

Agriculture Technology

Course Type: Elective

Grade Level: 11 - 12

Length: Two Semesters

Number of Credits – 5/semester

Prerequisites: Introduction to Agriculture, Animal Science, Plant Science or Agriculture Leadership and Agriculture Business.

Course Description: This course is broken down into a Semester of Food Science and a Semester of Biotechnology. **Food Science** -This course focuses on the importance of a safe, sanitary and reliable food supply for human consumption. We will explore topics including food safety regulations and requirements in processing facilities and food service establishments, along with home-handling of foods. Students will also learn to identify pathogenic food-borne illnesses and identify methods to prevent and control those illnesses in various types of food products. We will also be studying the development of food products from a variety of agricultural industries. Students will study the nutritional value of foods along with applying scientific processes such as microbiology and chemistry to the development of food products, and analyze and select appropriate storage, distribution and consumption of foods. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. **Biotechnology**-This course focusing on the history of technology in agriculture and current relationship between biotechnology and modern plant production systems. We will touch on everything from mechanic technological advancements to amazing finds in the biochemistry. Students will use the scientific method to determine purposes and methods of advancement and the impact they have of modern plant production on a global scale. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

BUSINESS

ACCOUNTING I

Course Type: Elective

Grade Level: 10 – 12

Length: Two Semesters

Number of Credits – 5/semester

Prerequisites: none

Description: This two-semester course covers sole proprietorship accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. Personal financial management and record keeping is incorporated in the class. It is a comprehensive introduction to basic accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, and accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using the computer. An introduction to partnerships and corporations may be included.

Use of Technology:

- Throughout the course various types of technology will be used to supplement course outline.
- Online book will be utilized with online demonstrations, online quizzes and online flashcards to support topic
- Spreadsheet concepts will be used for financial statements and banking.
- Google docs and other cloud computing is demonstrated.
- Mobile apps will be used for personal checking account activities and financial management topics.
- Quicken, Tax Accountant , Peachtree and Quickbooks software will supplement book.

Course Outline

- Students will investigate accounting-related career opportunities, workplace skills, and ethics related to the field of accounting.
- Students will prepare personal financial budget
- Students will use various mobile apps to familiarize themselves with money management.
- Students will complete and explain the purpose of the steps of the accounting cycle.
- Students will apply generally accepted accounting principles (GAAP) to determine the value of assets, liabilities, and equity.
- Students will prepare, interpret, and analyze financial statements for various types of business.
- Students will apply appropriate accounting principles to payroll, income taxation, and various forms of ownership.

BUSINESS LAW

Course Type: Elective

Grade Level: 11-12

Length: Semester

Number of Credits – 5

Prerequisites: none

Description: A course designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens. Key concepts include contracts and torts, the role of courts, litigation and constitutional issues including civil and criminal law.

ECONOMICS

Course Type: Elective

Grade Level: 10-12

Length: One Semester

Number of Credits – 5

Prerequisites: none

Description: Economics is a course designed to help students make decisions and understand economic principles as applied to current events and issues. Emphasis includes allocation of resources, economic systems, economic institutions and incentives, markets and prices, market structures, productivity, role of government, global economic concepts, and economic indicators.

ENTREPRENEURSHIP

Course Type: Elective

Grade Level: 10-12

Length: One Semester

Number of Credits – 5

Prerequisites: none

Description: Entrepreneurship is a course designed for students with a career interest in entrepreneurship. Emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Instructional strategies may include the development of a business plan, operation of school-based business, or actual creation of a student-run business.

Use of Technology:

- Google docs and other cloud computing is used throughout course
- QR Code readers will be used
- Throughout the course various types of technology will be used to supplement course outline.
- Website development – online tools
- Online book will be utilized with online demonstrations, online quizzes and online flashcards to support topic
- Online presentation software is used (Prezi, Keynote, etc.)

- Mobile apps will be used for personal checking account activities and financial management topics.
- Desktop publishing apps and software will be used to supplement advertising/marketing area.

Course Outline

- Students will explore entrepreneurial opportunities in Nebraska and research existing entrepreneurial entities.
- Students will explore the characteristics of an entrepreneur.
- Students will explain the forms of business ownership as related to entrepreneurship.

ENTREPRENEURSHIP CONT.....

- Students will recognize the management, financial, marketing, and legal skills necessary to successfully operate and grow an entrepreneurial venture.
- Students will develop the elements, design, and rationale of a business plan.
- Students will investigate the role of entrepreneurship in the global economy.
- Students will analyze opportunities in entrepreneurship.

INTRODUCTION TO BUSINESS, MARKETING AND MANAGEMENT

Course Type: Elective

Grade Level: 9-12

Length: One Semester

Number of Credits – 5

Prerequisites: none

Description: This course is designed as an introductory overview of the Business, Marketing and Management Career Field. Units of study include economic systems, forms of business ownership, management, marketing, and accounting. Career opportunities will also be explored.

MARKETING

Course Type: Elective

Grade Level: 10-12

Length: One Semester

Number of Credits – 5

Prerequisites: none

Description: Students will explore the basic functions of marketing: pricing, promotion, product planning, and place/distribution: the marketing mix. The curriculum provides the foundational skills and knowledge in economics, communications skills/interpersonal skills, professional career development, business, management, and entrepreneurship. Application of academic concepts and technology are integrated throughout the curriculum.

Use of Technology:

- Desktop publishing apps and software will be used to supplement advertising/marketing area.
- Website development – online tools
- Development of QR Codes will be used
- Google docs and other cloud computing is used throughout course
- Throughout the course various types of technology will be used to supplement course outline.

- Online book will be utilized with online demonstrations, online quizzes and online flashcards to support topic
- Online presentation software is used (Prezi, Keynote, etc.)
- Mobile apps will be used for personal checking account activities and financial management topics.

Course Outline

- Students will explore and identify career opportunities for future professional development decisions in marketing and other career clusters.
- Students will understand the customer-oriented nature of marketing and will analyze the impact of marketing activities which create, communicate, and deliver value to the individual, business, and society: the marketing concept.
- Identify the seven functions of marketing (e.g., pricing, product management, promotion, selling, distribution, marketing information management, financing).
- Explain the foundations of marketing (e.g., business, management, entrepreneurship, communication, interpersonal skills, economics, professional development).
- Explain the components of the marketing mix (product, price, promotion, and place/distribution).
- Students will understand economic systems to be able to recognize the environments in which businesses function.
- Students will explain the concept of market and market identification.

PERSONAL FINANCE

Course Type: Required Senior Year

Grade Level: 12

Length: One Semester

Number of Credits – 5

Prerequisites: none

Description: The goal of personal finance is to help students become financially responsible, conscientious members of society. This course develops student understanding and skills in money management; budgeting; financial goal attainment; use of credit; insurance; investments; and consumer rights and responsibilities. Application of academic concepts, technology, and career planning are integrated throughout the curriculum.

COMPUTER SCIENCE

INFORMATION TECHNOLOGY I

Course Type: Required before graduation

Grade Level: 9-12

Length: One Semester

Number of Credits – 5

Prerequisites: Keyboarding

Description: Students will explore emerging technologies as it applies to their success for high school, college and career. The focus will be on the importance of digital citizenship, professional communication practices, advanced document

processing, professional presentations, and effective and evaluative web searching.

Software:

- Firefox, Chrome, Safari, Explorer
- Office Suite: Microsoft Word, Powerpoint, Excel, and Publisher
- I-life Suite: - Imovie, Garage Band, I-Photo
- Online software: Google docs, Prezi, Evernote, gmail accounts, others to be determined

Course Content:

- Students will master basic knowledge of computer operations
 - File storage, file management, file naming, file extensions
 - Pc and Mac operating systems
- Students will develop skills in web fundamentals
 - copyright rules, explain different electronic media formats
 - generate media using the web
 - explore proper searching techniques through variety of browsers
- key word searching, advanced searching techniques
- critique, evaluate and cite appropriate online sources
- Students will use critical thinking skills to integrate information technology tools to access, manage, and create new information
 - Word documents (flyers, brochures, letters, reports, outlines, etc.)
 - Google docs (calendars, gmail, upload/download to google drive, etc.)
- Students will demonstrate positive cyber citizenship by applying industry accepted ethical practices and behaviors. (9 elements of digital citizenship)
- Students will use document processing applications to prepare digital communications.
 - google documents, email, input technologies, merging applications, flyers, Office applications
- Students will demonstrate effective professional communication skills and practices.
 - Prepare, develop and present using Powerpoint, Prezi and other presentation apps
- Students will identify and understand career paths in information technology
- Students will describe trends in emerging and evolving technologies and their influence in information field.
- Students will utilize cloud computing and storage devices for sharing and manipulating data.

INFORMATIONAL TECHNOLOGY II

Course Type: Required before graduation

Grade Level: 9-12

Length: One Semester

Number of Credits – 5

Prerequisites: Informational Technology I

Description: Students are introduced to the proper use of information technologies

(IT). In addition, they will be introduced to hardware and software selection and use. Students will develop skills in advanced word processing, desktop publishing, including page layout and formatting, and spreadsheet applications as well as integrating applications using word processing, spreadsheet, and electronic presentation software. Students will demonstrate knowledge of advanced operating systems principles, basic computer troubleshooting, history of computers, Internet security issues, ethical issues pertaining to information systems and virus protection.

Software:

- Firefox, Chrome, Safari, Explorer
- Office Suite: Microsoft Word, Powerpoint, Excel, and Publisher
- I-life Suite: - I-movie, Garage Band, I-Photo
- Online software: Google docs, Prezi, Evernote, gmail accounts, others to be determined

Course Content:

- Students will identify the basic components of computer systems and computer networks
 - networking terminology
 - file sharing
 - cloud computing
- Students will continue awareness and development of web fundamentals
 - evaluate effective copyright usage on the web
 - utilize and generate different electronic media formats (animation, image slideshow, audio, image file, etc.)
 - identify different file extensions of media used on the web
- Students will describe current and emerging hardware and software
 - input, output, processing and storage
 - criteria for upgrading and maintenance of hardware and software
- Students will identify, evaluate, and customize applications, operating system software and utilities
- Students will recognize the ethical and social implications of computer use.
- Students will identify and understand career paths in information technology field
- Students will design, develop and complete an interactive presentation project to share with elementary students.

INFORMATION TECHNOLOGY III

Course Type: Elective

Grade Level: 10-12

Length: One Semester

Number of Credits – 5

Prerequisites: Informational Technology I, II

Description: Students will work with a variety of software to develop items, such as desktop-published documents, advanced spreadsheet with formulas and charting, digital media, podcasts, and advanced presentations. Students will

develop skills in storyboarding, beginning animation, photo editing and digital design. A project-based approach is used through the integration of a variety of digital media.

Software:

- Firefox, Chrome, Safari, Explorer
- Microsoft Office Suite: Word, Powerpoint, Excel, Access and Publisher
- Ilife Suite - I-movie, Garage Band, I-Photo, I-DVD
- Online software: Google docs, Evernote, gmail accounts, Prezi, other to be determined

Course Content:

- Students will employ advanced spreadsheet applications to organize and manipulate data.
 - Create worksheet structures using formulas and functions
 - Import, export and share worksheet data
 - Incorporate embedded spreadsheet charting
- Students will utilize google docs and cloud applications for a variety of projects
- Students will continue in their development of web fundamentals
 - Implement social media in projects
 - Use variety of media formats (audio, animation, image, graphic, video, etc.) to complete projects
- Students will utilize skills to create new information
 - Create projects with variety of software
 - Incorporate the positive usages of social media for generating projects
 - Design, create, edit, revise and publish projects (newsletters, flyers, brochures, calendars etc.)
- Students will demonstrate an understanding about providing technology support to maintain service.
 - Apply strategies for identifying and solving routine hardware and software problems.
 - Understand security, privacy and risk management procedures
 - Explore tools and methods for preventative maintenance (defrag, backups, upgrades, antivirus, updates, checkdisk, etc.)
- Students will explore IT support and occupational opportunities.
- Students will demonstrate proper file management technique using a scanner, tablet, mobile device, computer, laptop and variety of storage media.

WEB DESIGN

Course Type: Elective

Grade Level: 10-12

Length: One Semester

Number of Credits – 5

Prerequisites: Informational Technology I, II, III

Description: Students will demonstrate knowledge of web design and languages, including HTML (Hypertext Markup Language) and CSS (Cascading Style Sheets) to create a content rich and visually pleasing website that captures and keeps visitors'

interests. Students will apply principles and elements of design using image creation and manipulation, interactivity, hyperlinks, tables, forms, and cascading style sheets. Students will also be responsible for redesigning a section on the school web site. Throughout the semester, students will put together and print an online digital portfolio showcasing their technological accomplishments.

Software:

- Microsoft Office Suite: Word, Powerpoint, Excel, Access and Publisher
- Ilife Suite: - I-movie, Garage Band, I-Photo
- Adobe Creative Suite - Dreamweaver, Fireworks, Photoshop, Bridge
- Komodo Editor for html
- Online software: Google docs, Prezi, Evernote, gmail accounts, Shutterfly, Google sites, others to be determined

Course content:

- Students will demonstrate web development skills
 - Create a web page using a code editor (Notepad, Komodo Editor)
 - Identify structure elements in existing web pages.
 - Develop web content utilizing hypertext markup language (HTML)
 - Describe proper syntax including tags and attributes
 - Use a HTML validator
 - Incorporate cascading style sheets (CSS) in development of a web page
- Students will plan a website for a specific purpose.
 - Identify client and target audience needs
 - Design critical elements of site structure, layout and navigation
 - Develop a site map and story board
- Students will comply with intellectual property laws, copyright laws, and ethical practices when creating web and digital communications.
- Students will demonstrate the effective use of tools for digital communication production, development, and project management
 - Develop creative web elements (graphics, video, animation, audio)
 - Create banners, graphics, background images, logos, pictures, etc.
- Students will be responsible for planning/redesigning, editing, photo creation, editing, optimization on the school web site.
- Students will create an online web site portfolio and print portfolio to showcase their technological experiences.
- Students will become appreciative of “troubleshooting techniques” to perfect web pages.

DIGITAL MEDIA

Course Type: Elective

Grade Level: 11-12

Length: One Semester

Number of Credits – 5

Prerequisites: Informational Technology I, II, III, Web Design

Description: Students will develop skill in the electronic procedures of producing and editing publications. Students will create, format, illustrate, design, edit/revise and print publications including electronically produced newsletters, flyers,

brochures, reports, advertising materials and other publications. Students will create, design and produce digital media programs including sound, video, graphics, text, animation and motion graphics. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management and web processes. Photoshop Creative Suite CS5.5 will be used for creation of documents. As a continuation of Web Design, students will keep an ongoing on-line and print portfolio.

Software:

- Microsoft Office Suite: Word, Powerpoint, Excel, Access and Publisher
- Ilife Suite: Imovie, I DVD, Garage Band, I-Photo,
- Adobe Creative Suite- Dreamweaver, Fireworks, Photoshop, Bridge, Illustrator, InDesign
- Komodo Editor for html
- Online software: Google docs, gmail, Google sites, Shutterfly, Prezi, others to be determined
- Drop box, email, other online apps (usage of Ipad)

Course Content:

- Students will explore digital technologies and web and digital communications career opportunities.
- Students will research, synthesize and communicate information in a variety of media and formats.
 - Explore emerging multimedia software - WEB 2.0 tools
 - Evaluate various peripheral devices, input devices and export options. video cameras, ipads, mobile devices, digital cameras printers, DVD/Blu-Ray, mobile devices, web cloud exporting using appropriate file formatting
- Students will create and edit images and graphics
 - Demonstrate appropriate image capturing techniques
 - Apply photographic composition techniques rule of thirds, point-of-view, framing, leading lines, etc.
 - Select appropriate image and graphic editing techniques cropping, red eye, layers, resolution, anti-aliasing, lighting, etc.
 - Utilize appropriate image and graphic exporting techniques. file type, resolution size submit to appropriate file destination
- Students will plan, produce, edit, and publish digital audio
 - Create scripts, storyboards and flowcharts
 - Develop voice-overs for video clip
 - Apply appropriate audio editing techniques
 - Select appropriate file type (.mp3, .wav, aiff, etc.)
 - Garageband software will be utilized
- Students will study photography
 - Demonstrate correct usage of Canon EOS Rebel T3
 - Aperture, Shutter Speed, ISO, White Balance, etc.
 - Upload photos to online-photography site – Shutterfly Share site with classmates
- Students will continue with creation of on-line and print portfolio web site
 - Develop printout using photos incorporated into Photoshop
 - online resume
 - include specific media creations
 - Google sites
- Students will be responsible for creating, designing and printing final collages for display

online and in hallway

- Students will have ongoing responsibility for maintaining the school web site

ADVANCED DIGITAL MEDIA

Course Type: Elective

Grade Level: 11-12

Length: One Semester

Number of Credits – 5

Prerequisites: Informational Technology I, II, III, Web Design, Digital Media

Description: Students will create, design and produce digital media programs including sound, video, graphics, text, animation and motion graphics. Students will produce in a variety of media, such as print, broadcast, video, audio, Internet, and/or mobile. Emphasis will be placed on effective use of tools for interactive multimedia production including storyboarding, visual development, project management and web processes. Students will work both independently and collaboratively to create projects while meeting deadlines.

Software:

- Microsoft Office Suite: Word, Powerpoint, Excel, Access and Publisher
- Ilife Suite: I-movie, I-DVD, Garage Band, I-Photo,
- Adobe Creative Suite- Dreamweaver, Fireworks, Photoshop, Bridge, Illustrator, InDesign
- Komodo Editor for html
- Online software: Google docs, gmail, Google sites, Shutterfly, Prezi, others to be determined
- Drop box, email, other online apps (usage of Ipad)

Course Content:

- Students will utilize technology to analyze elements and principles of design to communicate and express ideas.
 - Incorporate text in digital media
 - Apply typeface design (serif, sans-serif, decorative, etc.)
 - Apply text layout techniques (leading, kerning, tracking, symmetric and asymmetric)
 - Develop a basic understanding of the color wheel
 - Illustrate how colors are used to communicate a mood or message
 - Explain difference between CMYK and RGB
 - Demonstrate how images are used to enhance media
- Students will demonstrate the use of technical tools and knowledge of digital design
 - Edit and create images in a vector and raster program
 - Create line art and business logos demonstrating the use of drawing tools
 - Design business package (letterhead, envelope, business card, etc.) using desktop publishing program
 - Create, manipulate, and appropriately use animations
 - Identify file extensions for drawing programs, and animation files
 - Plan, create, edit and publish digital video import, capture video, add audio and

video effects, insert titles and credits to video, accurately cite sources
export video to various media

- Students will collaborate effectively, acknowledging the ideas of others and contributing to the group's objective.
 - Exhibit leadership in assigned roles (editors, production managers, directors, producers)
 - Work with others to achieve objectives in a timely manner.
- use of google calendars and google docs collaboration
- Students will plan a media production (print, video, audio, Internet and/or mobile)
 - Students will continue with additions to personal on-line and print portfolio
 - Students will continue to support school with digital technology questions that arise
 - Students will be responsible for updates, additions, changes, etc. to the school web page

FINE ARTS

INTRODUCTION TO ART

Course Type: Elective

Grade Level: 9-12

Length: One Semester (Offered Only in the Fall)

Number of Credits – 5

Prerequisites: none

Class Fee: \$5.00

Description: Intro to Art is a discipline-based art education course with two and three-dimensional studio exercises/projects designed to enhance the students' knowledge of art, artists, and techniques related to the execution of various art forms. Studio assignments will include: drawing, painting, pottery, mixed media, and sculpture.

Media (Materials you will work with in the class)

- Graphite
- Charcoal
- Oil Pastel
- Watercolor
- Acrylic
- Clay
- Linocut

Course Content: Studio assignments will include: drawing, painting, pottery, and mixed media. Students will learn about, experience first hand, and apply knowledge of the elements of art and principles of design. Students will be exposed to a variety of artists and will be required to read, write descriptions and, orally discuss/answer questions in class. Students will have weekly sketchbook assignments. The class works in a variety of different media ranging from pastel and watercolor to acrylic and clay. Students are required to participate in class and complete all exercises, assignments, projects, and quizzes.

DRAWING I

Course Type: Elective

Grade Level: 9-12

Length: One Semester (Offered Only in the Spring)

Number of Credits – 5

Prerequisites: Intro to Art

Class Fee: \$5.00

Description: Students in Drawing I learn what it takes to strengthen their compositions, gain in depth and knowledge of different media, and get comfortable with drawing more complicated subjects. Students will have weekly sketchbook assignments. The primary focus of this course is to improve a student's level of confidence in drawing. Content will range from landscapes to portraiture.

Media (Materials you will work with in the class)

- Graphite
- Charcoal
- Chalk
- Oil Pastel
- Scratchboard
- Watercolor
- Acrylic

Course Content:

- Composition and Balance in 2-D work
- Creating a successful still life drawings
- Shading with a variety of different media
- Structuring a landscape drawing
- Learning the makeup and mechanics of different drawing media
- Participation in class discussions and activities and involvement in the course
- Written assessments and responses to their own works and works of others

SCULPTURE I

Course Type: Elective

Grade Level: 10-12

Length: One Semester (Offered Only in the Fall)

Number of Credits – 5

Prerequisites: Intro To Art (Drawing I is helpful but not required)

Class Fee: \$10.00

Description: This course will expose students to a variety of sculpture styles and materials. We begin the semester with cardboard, and then move to papier mache, plaster, and clay. Sculpture 1 extends and refines abilities to investigate and respond to the visual arts. The importance of content, concepts, and skills involved in the creation of original works of art is emphasized. It is a discipline-based art education course with two and three-dimensional studio exercises/projects designed to enhance the students' knowledge of art, artists, and techniques related to the execution of various art forms.

Media (Materials you will work with in the class)

- Cardboard
- Wire
- Papier Mache
- Plaster
- Clay

Course Content:

- Explore each medium listed above and understand their uses, limitations, tools and safety measures
- Examine popular genre styles
- Learn the basics of ceramics including slab, slump, coil, and thrown pottery
- Work the elements and principles needed to make successful 3-D sculptures
- Be able create original works using the elements and principles of design
- Be able to say why they made their choices

DRAWING II

Course Type: Elective

Grade Level: 10-12

Length: One Semester (Offered Only in the Spring)

Prerequisites: Drawing 1

Class Fee: \$5.00

Description: The students in Drawing II continue to hone their skills in proportion, composition and value. Students will have weekly sketchbook assignments. Along with increasing the consistency of quality drawings in general. It is a discipline-based art education course with two and three-dimensional studio exercises/projects designed to enhance the students' knowledge of art, artists, and techniques related to the execution of various art forms. Studio assignments will include: drawing, painting, and mixed media. Students will be able to learn about, experience first hand, and apply knowledge of the elements and principles of design while utilizing a variety of media/materials.

Media (Materials you will work with in the class)

- Graphite
- Charcoal
- Chalk
- Oil Pastel
- Watercolor
- Acrylic
- Scratchboard

Course Content:

- Practice the habit of drawing so that success is more frequent
- Identify characteristics of famous artists as well as the trends you see in your own work.
- Continue to build creative problem solving skills
- Increase technical skills and aesthetic awareness

MIXED MEDIA

Course Type: Elective

Grade Level: 11-12

Length: One Semester (Offered Only in the Fall)

Number of Credits – 5

Prerequisites: Intro To Art and Sculpture I

Class Fee: \$10.00

Description: The purpose of this class is to foster the growing creativity in serious art students. Juniors and seniors looking to cultivate their passion for all things artistic will begin to find a strong creative community. Students will have more freedom in their assignments so they may realize their own ideas. Mixed Media reinforces competence and confidence in skills of analysis, evaluation, and creation of works of art. Visual communication and production, cultural context and art history, judgment and criticism, and aesthetics remain the foundation areas of the curriculum, and an advanced level of performance in each is necessary.

Media (Materials you will work with in the class)

- Cardboard
- Graphite
- Charcoal
- Chalk
- Oil Pastel
- Watercolor
- Acrylic
- Plaster
- Clay
- Linocut

Course Content:

- Successfully plan, communicate, and execute your artistic vision in the media listed above
- Learn to speak to other students about their work in a constructive and positive way
- Demonstrate good control with tools and media
- Improve skill level in ceramics including the pottery wheels

PAINTING

Course Type: Elective

Grade Level: 11-12

Length: One Semester (Offered Only in the Spring)

Number of Credits – 5

Prerequisites: Intro To Art, Drawing I and Drawing II

Class Fee: \$10.00

Description: This course will challenge students to translate their drawing skills into paint. Watercolor, acrylic, and oil paint will be the main areas of emphasis. After exploring the media, students will study classic and contemporary styles such as impressionism, abstract art, and street art stenciling.

Media (Materials you will work with in the class)

- Watercolor
- Acrylic
- Spray Paint
- Oil Paint

Course Content:

- Successfully understand and use appropriate painting skills to create artwork
- Learn more about the vast history of famous painters and how their work is still relevant today.
- Discover the relationship between drawings skills and painting skills.
- Successfully plan, communicate, and execute your artistic vision in the media listed above
- Learn to speak to other students about their work in a constructive and positive way

ADVANCED ART

Course Type: Elective

Grade Level: 12

Length: One Year (May be taken for only one semester with permission from instructor)

Number of Credits – 10

Prerequisites: Prerequisite: Taken 5 Semesters of Art

On a case-by-case basis, the instructor may allow students with only 3-4 semesters to take Advanced Art upon a portfolio review.

Description: Seniors who have a strong skill set and passion for art will have the freedom to explore their own ideas. To be successful in this class, students **MUST** be able to work independently and have above average time management skills. Students will create original works and develop a portfolio. At the end of 4th quarter, students will participate in a Senior Exhibition to show the community how they have developed as artists in the past four years.

Media (Materials you will work with in the class)

- Materials will vary based on student choice.

Course Content:

- Creatively solve a variety of challenges on your own or with minimal help.
- Successfully plan, communicate, and execute your artistic vision in a timely fashion
- Learn to speak to other students about their work in a constructive and positive way
- Express your own ideas and opinions about the creative process with a portfolio and artist statement.

BAND

Course Type: Elective

Grade Level: 9-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: none

Description: The mission of the High School Band is to promote musicianship and unity through disciplined, organized rehearsals daily. The Band plays for all home sporting events, presents a Christmas concert, Spring Concert, District Music Contest, Jazz n' Stuff Concert, plays at graduation and marches for the 4th Of July Parade. These performances are our only homework. If you can't arrange your family/work schedule to be at every performance, please do not sign up for High School Band. Sometime during your four-year High School Band career we will take a major performance trip to Florida in the spring. Each student will be responsible financially for his or her trip. We will do organized fundraising for four years prior to the trip so each student will be able to raise the needed funds.

Eligibility for High School Band: Generally, if you have been through the feeder programs at our school you will be able to join the High School Band. If your work in the feeder programs has not been satisfactory the director will notify you. If you are joining High School Band from another school you will need to audition for a spot in the band. This audition is just to make sure you know how to play your instrument.

VOCAL

Course Type: Elective

Grade Level: 9-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: none

Description: The vocal music course at Tekamah-Herman High School meets for a full period each day of the week. It is offered to anyone interested in participating whether or not they are interested in making music their career. There is not a prerequisite into getting into the course. It is, however, recommended that the course be taken the full year when possible. Music is a continually developing process. (It could easily be compared to that of an athletic season, if a season is missed, that person will be developmentally behind the rest of the team.)

Objectives: The vocal music course covers several facets that many do not consider. For example, music involves Foreign Language. Musical terms are typically in Italian and musical notation is no where near English, but rather a highly developed shorthand. Musical History is covered reflecting the environment & time of its creation as well as its cultural heritage as applied to selections sung. It often reflects the country in which it was created. We discuss music as it applies to Science in regard to vocal production and technique, frequencies, volume changes, melodies & harmonies. Rhythmically speaking, we must apply Mathematics in order to understand the subdivisions of time. We also must dabble in Physical Education, coordinating proper breathing techniques with singing production. Most

importantly, we involve the emotions, feelings & personal creativity that pertain to each individual, thus, the study of the Arts...the joy of self-expression that can be achieved through shared work and self-discipline.

Instructional Procedures: Many of the objectives above are met in the group setting, discussing terms as applied to the music in which we study/sing. Vocal application is, of course, present and required. Worksheets containing musical theory, musical symbols and basic concepts are also given in order to advance musical knowledge. Videos may be shown to assist in vocal technique as well the physiology behind vocal production. Vocal lessons are scheduled throughout the semesters to evaluate each individual's knowledge of the music studied as well as to learn techniques to improve each singers sound development. Concerts are also scheduled throughout the semesters in which we share in creating a musical experience that advances not only the choir in general but also each person involved. It is gratifying to achieve the success of a "good concert" and know that we have met the challenges that go with it. All concerts and lessons are required attendances.

Swing and Core Vocal

Course Type: Elective

Grade Level: 9-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: none

Description: The vocal music course at Tekamah-Herman High School meets for a full period each day of the week. It is offered to anyone interested in participating whether or not they are interested in making music their career. There is not a prerequisite into getting into the course. It is, however, recommended that the course be taken the full year when possible. Music is a continually developing process. (It could easily be compared to that of an athletic season, if a season is missed, that person will be developmentally behind the rest of the team.) Swing and Core is for advanced musicians. You must also be able to sing and dance at the same time. Music selection will be a little harder than in regular vocal. You will also have sectional practices and sectional music you will have to prepare. There might be extra rehearsals in order to be fully prepared.

Eligibility for Swing and Core: Instructor Approval

YEARBOOK

Course Type: Elective

Grade Level: 11-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: none

Course Description: Students in yearbook are responsible for creating and marketing the school's yearbook. They are also responsible for selling ads in Tekamah and neighboring communities as well as taking pictures during school and

outside of school at sports events, concerts, and activities. The goal is to capture the whole year in one book. Through this experience, students will learn many skills, including: photography, graphic design, marketing, and journalistic writing. Students considering taking this class should be prepared to work hard both in school and outside of school. They should also expect to use their creativity and have fun!

FAMILY CONSUMER SCIENCE

LIFE SKILLS

Course Type: Elective

Grade Level: 9-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: none

Course Description - This is a general class that covers many areas of Family and Consumer Science, none of them in great depth. Students will gain knowledge and skill in the areas of: Personal Development, Relationships, Families and Friends, Child Care and Development, Food and Nutrition and Wellness, Clothing and Textiles and Housing and Living Space, Consumer Resources and Management

FOODS AND NUTRITION

Course Type: Elective

Grade Level: 9-12

Length: One year

Number of Credits – 10

Prerequisites: Life Skills preferred

COURSE DESCRIPTION: This is a full year course in which students will learn how to choose, purchase, prepare and eat healthful foods at home or work, in a restaurant or any where they are. Students will gain knowledge in healthful eating using information from the Dietary Guidelines for Americans, the Food Guide Pyramid, My Plate, food labels, Nutrition Facts panels, and wise consumer decisions.

These are state FCS standards used to guide teaching and learning in this class.

Nutrition/Wellness/Foods

FCS 06-12.7.1 - Demonstrate nutrition and wellness practices that enhance individual and family well being.

FCS.7.A - Identify nutritional needs of individuals and families.

FCS.7.B - Incorporate health and wellness practices across the lifespan.

FCS.7.C - Demonstrate ability to acquire, handle, and use foods to meet nutrition and wellness needs of individuals and families across the lifespan.

FCS.7.D - Analyze factors that influence nutrition and wellness practices across the lifespan.

FCS.7.E - Analyze factors (i.e., social, psychological, economic, cultural) affecting nutrition, wellness and foods decisions for individuals and families throughout the life cycle and how those decisions impact society.

FCS.7.F - Evaluate factors that affect food safety, from production through

consumption.

FCS.7.G - Evaluate the impact of science and technology on food composition, safety and other issues.

PARENTING

Course Type: Elective

Grade Level: 10-12

Length: One semester

Number of Credits – 5

Prerequisites: *Life Skills preferred, Foods and Nutrition*

Course Description: Students will study children's physical, intellectual, and social-emotional development from prenatal stage through the school-age years. Students will learn basic information about meeting children's needs in each stage of development.

These are state FCS standards that direct the teaching and learning in this class.

Parenting

FCS 06-12.4.1 - Evaluate the impact of parenting roles, responsibilities, practices and societal conditions that impact the wellbeing of individuals and families throughout the life cycle.

FCS.4.A - Analyze roles and responsibilities of parenting

A. Determine effects of parenting practices on the individual, family and society.

B. Determine societal conditions that impact parenting across the lifespan.

FCS.4.B - Evaluate parenting practices that maximize growth and development.

A. Identify communication strategies that promote positive self-esteem in family members.

B. Analyze nurturing practices.

C. Evaluate practices of interaction that encourages appropriate behavior.

D. Determine criteria for selecting care and services for children.

Human Growth and Development

FCS 06-12.5.1 - Analyze the impact of human growth and development on individuals across the lifespan.

FCS.5.A - Analyze principles of human growth and development across the life span.

A. Examine physical, emotional, social and intellectual development and their interrelationships.

FCS.5.B - Analyze conditions that influence human growth and development.

A. Investigate the impact of heredity and environment on human growth and development.

B. Examine the effects of life events on individuals' physical, and emotional development.

FCS.5.C - Analyze strategies that promote growth and development across the life span.

A. Examine the role of nurturance on human growth and development.

B. Examine the role of communication on human growth and development.

C. Examine the role of support systems in meeting human growth and development needs.

INTERPERSONAL COMMUNICATION

Course Type: Elective

Grade Level: 12

Length: One semester

Number of Credits – 5

Prerequisites: *Life Skills, Foods and Nutrition, Parenting preferred but not necessary*

Course Description: Students will be offered the opportunity to learn about: The Family Foundation, Strengthening Relationships, Decision Making Skills, Support of Family and Friends, Personal Development, Move Toward Independence, Extend Relationships, and Forming Your Own Family.

ADVANCED FOODS AND NUTRITION

Course Type: Elective

Grade Level: 12

Length: One semester

Number of Credits – 5

Prerequisites: *Life Skills, Foods and Nutrition, Parenting, Adult Living preferred but not necessary.*

Course Description: Students will learn about making important financial and economic decisions with assurance and competence. The students learn basic economic concepts related to their roles as consumers, producers, and citizens. They will learn how to shape their own financial lives and live independently.

FOREIGN LANGUAGE

SPANISH I

Course Type: Elective

Grade Level: 9-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: none

Course Description: Students will explore the Spanish language through a variety of outlets such as culture, language, music and projects. The focus will be communication (both oral and written) of the language using written articles, c.d. tracks, writing and speaking activities.

Course Content:

- Students will learn vocabulary including: greetings, days and months, school, family, favorite past times, food and sports.
- Students will have an understanding of sentence structure for both statements and questions. Students will be able to read and listen for these sentence structures.
- Students will be able to speak and write complete sentences (including short paragraphs) in order to communicate.

- Students will continue to be able to conjugate verbs in the present tense using “ar,” “er” and “ir” verbs, including some irregular verbs in the present tense.
- Students will be able to conjugate verbs into the present progressive tense.
- Students will have an understanding of direct and indirect object pronouns and their placement.
- Students will be able to identify cultural difference and similarities between themselves and those of Spanish speaking countries.

SPANISH II

Course Type: Elective

Grade Level: 9-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: Spanish I

Course Description: Students will explore the Spanish language through a variety of outlets such as culture, language, music and projects. The focus will be communication (both oral and written) of the language using written articles, c.d. tracks, writing and speaking activities.

Course Content:

- Students will learn vocabulary including: directions, house, food, body parts, shopping, travel, restaurant, careers, city, country and media.
- Students will have an understanding of sentence structure for both statements and questions. Students will be able to read and listen for these sentence structures.
- Students will be able to speak and write complete paragraphs (including short stories) in order to communicate.
- Students will continue to be able to conjugate verbs in the present and past tense, including some irregulars.
- Students will be able to conjugate verbs into the present progressive tense, using pronouns correctly.
- Students will be able to give informal commands and use pronouns with the commands correctly.
- Students will be able to offer suggestions.
- Students will be able to read, write and listen for a reflexive sentence.
- Students will be able to identify cultural difference and similarities between themselves and those of Spanish speaking countries.

SPANISH III

Course Type: Elective

Grade Level: 9-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: Spanish I, Spanish II

Course Description: Students will explore the Spanish language through a variety of outlets such as culture, language, music and projects. The focus will be communication (both oral and written) of the language using written articles, c.d. tracks, writing and speaking activities.

Course Content:

- Students will learn vocabulary including: family, childhood activities, travel, restaurants, travel, health, food, house, directions.
- Students will have an understanding of sentence structure for both statements and questions. Students will be able to read and listen for these sentence structures.
- Students will be able to speak and write complete paragraphs (including short stories) in order to communicate.
- Students will continue to be able to conjugate verbs in the present tense and past tense, including some irregulars.
- Students will be able to use the subjunctive tense to express hopes and wishes.
- Students will be able to give formal commands and use pronouns with the commands correctly.
- Students will learn the imperfect tense and be able to use it to describe their past.
- Students will be able to describe time periods.
- Students will be able to read, write and listen for a reflexive sentence.
- Students will be able to describe their town and be able to ask for and give directions.
- Students will be able to identify cultural difference and similarities between themselves and those of Spanish speaking countries.

SPANISH IV

Course Type: Elective

Grade Level: 9-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: Spanish I, Spanish II, Spanish III

Course Description: Students will explore the Spanish language through a variety of outlets such as culture, language, music, projects. The focus will be communication (both oral and written) of the language using written articles, c.d. tracks, writing and speaking activities.

Course Content:

- Students will learn vocabulary including: shopping, clothes, environment, outdoor activities, weather, professions, interview, talking on the phone.
- Students will have an understanding of sentence structure for both statements and questions. Students will be able to read and listen for these sentence structures.
- Students will be able to speak and write complete sentences (including stories and papers) in order to communicate.
- Students will continue to be able to conjugate verbs in the present, past, progressive, imperfect, past progressive, subjunctive and conditional tenses.
- Students will be able to conjugate verbs into the present progressive tense.

- Students will complete a portfolio for each semester displaying their reading comprehension and writing skills.
- Students will individual read two short novels and be able to communicate in target language about the novels.
- Students will be able to identify cultural difference and similarities between themselves and those of Spanish speaking countries.

INDUSTRIAL TECHNOLOGY AND AUTOMOTIVES

TECHNOLOGY

Course Type: Elective

Grade Level: 9-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: none

Course Description: Introduction to Technology Education is the entry-level course for Industrial Technology classes offered at Tekamah-Herman. Time will be segmented between drafting, safety, and woods. Small projects will be created or constructed in each area to aid in the development of the students' skills.

WOOD TECHNOLOGY

Course Type: Elective

Grade Level: 10-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: Technology

Course Description: This course will provide students the opportunity to advance their knowledge and abilities of the proper and safe use of machinery and tools. Project plans are the responsibility of students to skillfully manufacture quality and unique self-chosen projects. Emphasis is placed on advancing woodworking skills, project design, safe work practices, and the economical use of time and material.

CABINET MAKING

Course Type: Elective

Grade Level: 11-12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: Technology, Wood Technology

Course Description: This course will provide the opportunity for students to develop knowledge and abilities of design and building furniture. Project plans are the responsibility of students to skillfully manufacture quality furniture. Emphasis is placed on design, identifying different styles of furniture, and understanding the steps needed in furniture construction.

BUILDING CONSTRUCTION

Course Type: Elective

Grade Level: 12

Length: One Year

Number of Credits – 5 per semester/10 for the year

Prerequisites: *Technology, Wood Technology, Cabinet Making*

Course Description: This course will provide students many opportunities to reflect upon the Building Trades as a profession, develop images of themselves as trades people, and experience the realities of the job duties. Students will have the opportunity to explore Safe and Proper use of hand and power tools, Construction based mathematics, Basic Surveying, Site preparation, Basic Concrete masonry, Basic Block masonry, Basic Rough Carpentry, Basic Finish Carpentry, Basic Electric wiring, Basic Plumbing, Basic Drywall, and Employability (Work Habit/Professional/Teamwork) Job skills. The class may be involved in field experience projects. These projects are actual hands on construction jobs that place the students in the elements of the construction world. Examples of these may be, (Remodeling homes, laying sidewalks, building sheds/garages, decks, etc)

BASIC AUTO

Course type: Elective

Grade Level: 10-12

Length: One semester

Number of credits: 5

Prerequisites: None

Course Description: This course picks up where driver's education left off. This course teaches the basics of Car Maintenance, Car Systems and General Car Care. This class will generally be in the classroom with short labs covering all of the car systems. This course allows access to further automotive classes.

SMALL ENGINES

Course Type: Elective

Grade Level: 10-12

Length: One Semester

Number of Credits – 5 per semester

Prerequisites: none

Course Description: Small Engines is a semester long class for all 9th -12th graders. The course covers the fundamentals of the internal combustion engine and hands on approach to teaching. This class is required before taking any other auto classes.

ENGINE TUNE-UP (1ST SEMESTER) AUTO TUNE-UP (2ND SEMESTER)

Course Type: Elective

Grade Level: 10-12

Length: One Year

Number of Credits – 5

Prerequisites: *Basic Auto, Small Engines*

Course Description: Engines is a comprehensive look at rebuilding engines. The

first nine weeks will be focused on proper procedure to remove an engine from a car/truck. Proper tear down procedures, machining of engine parts, then proper sequence for reinstalling parts. Second nine weeks the class will focus on the three major portions of an engine. The rotating assembly, the upper engine assembly and carburetors/fuel injection.

Auto Tune Up – This course will build on the knowledge of Basic Auto, it will focus on Brake Systems, Motion Systems and Electrical Systems, and Cooling Systems. This class is one period long and will be based in class with labs three days a week.

AUTOMOTIVE MECHANICS

Course Type: Elective

Grade Level: 12

Length: Two Semesters

Number of Credits – 5

Prerequisites: *Technology, Small Engines, Engine Tune-Up*

Course Descriptions: Automotive mechanics is a course for students to explore the automotive field, perform maintenance and repair some systems of the automobile. Students will learn many tasks that are performed by service technicians. Students will be scheduled in this class for 2 periods throughout the entire school year.

WELDING

Course Type: Elective

Grade Level: 11-12

Length: Two Semesters

Number of Credits – 5 per semester/10 for the school year

Prerequisites: *Technology*

Course Descriptions: The main objective of welding is to train and teach students of the methods of welding technology. First semester the students are in the classroom and lab about four weeks learning the safety and proper use of the welding equipment. After all the safety tests and process tests are passed, students will have lab everyday practicing all the welding processes that this school can provide. Second semester students have three weeks in the classroom with blueprint reading, welding symbols and designing a project. The rest of the semester students build project in groups to use their welding techniques.

LANGUAGE ARTS

ENGLISH 9

Course Type: Required

Grade Level: 9

Length: Two Semesters

Number of Credits – 5 per semester/10 for the year

Prerequisites: *none*

Course Description: English 9 is a required class for all students of freshman standing. The course focuses on the guidelines presented in the Nebraska State Standards for reading and writing. A strong emphasis is placed on vocabulary

enrichment, project development, presentation skills, the elements of fiction, reading and writing in a variety of genres, and grammar reinforcement. Books included in the English 9 curriculum are *Night*, *To Kill a Mockingbird*, *Romeo and Juliet*, *A Day No Pigs Would Die*, and *Speak*. Students also study Greek Mythology during this year-long course.

ENGLISH 10

Course Type: Required

Grade Level: 10

Length: Two Semesters

Number of Credits –5 per semester/ 10 for the year

Prerequisites: none

Course Descriptions: The class is primarily literature-based with a strong emphasis on the different genres. You will study units in non-fiction, short stories, science fiction, poetry, novels, and plays. Grammar skills are emphasized throughout the course and are incorporated as part of your writing assignments. Writing instruction will include formal essays and creative writing. Sophomores will practice the 5 paragraph persuasive essay in much the same way that the juniors will prepare for the State Writing Assessment. A major written assessment will be given OR project will be presented after each genre of study. All students in the 10th grade at Tekamah-Herman Schools must successfully pass a full year of English 10 in order to graduate.

COMPOSITION 11

Course Type: Required

Grade Level: 11

Length: One Semester

Number of Credits –5 per semester

Prerequisites: none

Course Description: Composition 11 is a required class for all students of junior standing. This course focuses on the writing skills outlined in the Nebraska State Standards. A variety of genres including journal writing, persuasive writing, research writing, compare/contrast, narrative, expository, poetry, and literary analysis are penned during this one-semester course. Vocabulary and grammar lessons are also incorporated into this eighteen-week study. Students at Tekamah-Herman schools must pass this course in order to graduate.

AMERICAN NOVELS

Course Type: Elective but required if not taking American Literature

Grade Level: 11

Length: One Semester

Number of Credits –5 per semester

Prerequisites: none

Course Description: American Novels is an elective course for students of junior standing. Throughout the semester, students will examine the historical and social relevance of five American classics: *The Scarlet Letter*, *The Adventures of Huckleberry Finn*, *Narrative of the Life of Frederick Douglass*, *The Great*

Gatsby, and The Grapes of Wrath. Literary devices, reading comprehension, and vocabulary relevant to the reading are stressed, as according to the Nebraska State Standards. Literary analyses, essay exams, and evidence extracts are incorporated to assess understanding, application, and analysis of each novel. Tekamah-Herman juniors may elect to take this course or American Literature to complete their third year of English. They must pass this course or American Literature in order to graduate.

AMERICAN LITERATURE

Course Type: Elective but required if not taking American Novels

Grade Level: 11

Length: One Semester

Number of Credits –5 per semester

Prerequisites: none

Course Description: American Literature is an elective course for students of junior standing. Throughout the semester, students will examine the historical and social relevance of four American literary time periods: Encounters and Foundations, American Romanticism, The Rise of Realism, and The Moderns. Literary devices, reading comprehension, and vocabulary relevant to the selections are stressed, while being exposed to a variety of genres. Literary analyses, essay exams, and evidence extracts are incorporated to assess understanding, application, and analysis of each unit of study.

BRITISH LITERATURE

Course Type: Elective but required if not taking British Novels

Grade Level: 12

Length: One Semester

Number of Credits –5 per semester

Prerequisites: none

Course Description: The class is primarily literature-based with a strong emphasis on literary classics. This class is structured chronologically, so we will begin with the oldest of British Literature and work our way towards more modern texts. Writing instruction will include formal essays and creative writing. Given the difficulty of the texts, much of the reading is done in class with an emphasis on study guides and note-taking. There is a major examination at the end of each time period.

COMPOSITION 12

Course Type: Required unless enrolled in British Novels or College Composition

Grade Level: 12

Length: One Semester

Number of Credits –5 per semester

Prerequisites: none

Course Descriptions: This class is primarily a writing class, but you will find that some literature is also involved. The strong emphasis will be on your Masterpiece Research Paper. This class is designed to provide you with a variety of different real-world writing

experience experiences including: resumes and cover letters, scholarship applications and college entrance exams, research writing, creative writing, etc. Tekamah-Herman schools seniors must successfully complete this course in order to graduate.

COLLEGE COMPOSITION

Course Type: Elective but required if not Composition 12

Grade Level: 12

Length: One Semester

Number of Credits –5 per semester

Prerequisites: English and Reading ACT score of 18 or higher.

Course Description: College Composition is a dual enrollment course offered through Northeast Community College or Nebraska Wesleyan. This course is primarily an online course, taught via Distance Learning from West Point Beemer High Schools. Students will be expected to complete college level work. Emphasis is on writing – essays, short answers and vocabulary. Students will also be required to write a research paper due at the end of the semester as well as present their research to the class. Students successfully completing this course with a C or higher, will earn 3 credits of college credit. Students are expected to pay for the college credit. Payment is due 10 days after school as begun.

COMMUNICATIONS

Course Type: Required

Grade Level: 9

Length: One Quarter

Number of Credits –2.5

Prerequisites: none

Course Description: Students will explore communication through a variety of resources, such as speeches, emails, text messages, social media, letters and phone calls. Students will explore all aspects of communication, including the messages being sent, the receiver and the feedback and how to ensure they are sending the correct message to the intended receiver.

Course Content:

- Students will recognize the four aspects of communication: sender, message, receiver and feedback.
Students will communicate ideas in groups pertaining to classroom discussions.
- Students will be able to form a proper message for their audiences by using library sources for accurate information.
- Students will understand the concept of listening and obtain proper listening skills.
- Students will prepare informative speeches such as an “About Me,” “Biography” “Show-N-Tell” “Current Event” and “Informative “ speech.

MATHEMATICS

ALGEBRA I

Course Type: Required

Grade Level: 9-12

Length: One year

Number of Credits –5 credits each semester/10 for total year

Prerequisites: 7th Grade Math

Description: Algebra I is a required yearlong course for graduation. Algebra topics will include simplifying expressions, evaluating and solving equations and inequalities, problem-solving using ratios and proportions, graphing linear and quadratic functions/relations, and solving systems of equations and inequalities. Real world applications are presented and discussed throughout the course of the class.

GEOMETRY

Course Type: Required

Grade Level: 9-12

Length: One year

Number of Credits –5 credits each semester/10 for total year

Prerequisites: Algebra I

Course Description: Geometry introduces students to plane geometry with integration of some space and coordinate geometry. This class develops geometric concepts using two-column, flow-chart, and paragraph proofs as well as algebraic applications.

Topics that will be covered include:

- 1) Basic facts about points, lines, planes, segments, and angles.
- 2) Formulas to find distance, midpoint coordinates, slope, and the equations of parallel and perpendicular lines.
- 3) Transformations including reflections, rotations, translations, and dilations.
- 4) Inductive and deductive reasoning, conditional and bi-conditional statements, and writing mathematical proofs.
- 5) Angles formed by parallel lines and a transversal and their relationships.
- 6) Polygon congruence and similarity with emphasis on triangles.
- 7) Properties of triangles and quadrilaterals
- 8) Right triangle relationships – Pythagorean Theorem, Sine, Cosine, Tangent
- 9) Area of circles and polygons
- 10) Surface area and volume of 3-dimensional figures.

ALGEBRA II

Course Type: Elective

Grade Level: 10-12

Length: One year

Number of Credits –5 credits each semester/10 for total year

Prerequisites: Algebra I, Geometry

COURSE DESCRIPTION: The student will be able to identify and categorize real numbers,

perform basic algebraic manipulations, evaluate equations, inequalities, and apply problem solving techniques, identify and graph relations and functions, evaluate and simplify polynomial and rational functions, identify operate with and solve rational expression, evaluate, operate and simplify radical expressions an equations, identify, operate on and solve quadratic equations.

PRE-CALCULUS

Course Type: Elective

Grade Level: 10-12

Length: One year

Number of Credits –5 credits each semester/10 for total year

Prerequisites: *Algebra I, Geometry, Algebra II*

Course Description: The first several weeks we study Set theory, logic, and different numeration systems. After that we thoroughly review Algebra II. To finish up the year we go into imaginary numbers, quadratics, and second degree equations (circles ellipses, hyperbolas and parabolas)

CALCULUS

Course Type: Elective

Grade Level: 10-12

Length: One year

Number of Credits –5 credits each semester/10 for total year

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

Course Description: The student will be able to solve application problems involving sets, demonstrate understanding of logic topics, operate with other numeration systems, identify, operate on and solve quadratic equations and their transformations, identify and operate with equations of second degree, discuss polynomials, examine the nature of roots, write equations of inverse relations and functions, graph exponential and logarithmic functions, solve exponential and logarithmic equations, solve systems of equations using matrices, operate with matrices, find inverses of matrices, find specific terms of an arithmetic or geometric sequence, find partial sums for an arithmetic or geometric sequence, calculate permutation, combinations, and probabilities, construct Stem-and-Leaf Diagrams and frequency distribution, find mean, median, and mode of a set of data and find variance, standard deviation and Z-Scores of a set of data. **Students can take this course as Dual Enrollment through Northeast Community College.*

STATISTICS

Course Type: Elective

Grade Level: 11-12

Length: One year

Number of Credits –5 credits each semester/10 for total year

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

Course Description: The course is an introduction to basic probability and statistical methods. Topics include descriptive statistics, probability distributions, sampling distributions, methods of statistical inference and bivariate relationships.

**Students can take this course as Dual Enrollment through Northeast Community College.*

PRE-ALGEBRA

Course Type: Required if not taking Algebra I

Grade Level: 9-12

Length: One year

Number of Credits -5 credits each semester/10 for total year

Prerequisites: Jr. High Math

Course Description: The student will be able to name numbers in different ways, use problem solving techniques, estimate answers, use English and metric measures, use graphs, charts, and tables, deal with data, work with lines and angles, work with shapes in two dimensions, work with shapes in three dimensions, use ratios and proportions, work with scale drawings, use signed numbers and vectors, use scientific notation and work with precision, accuracy, and tolerance.

APPLIED ALGEBRA II

Course Type: Required if taking Applied Algebra I

Grade Level: 10-12

Length: One year

Number of Credits -5 credits each semester/10 for total year

Prerequisites: Applied Algebra I

Course Description: Applied Algebra 2 is a course designed for the student who struggles with mathematics. The course covers topics traditionally taught during the second semester of Algebra 1 and the first semester of Algebra 2. Topics include: Computation with integers, fractions, decimals, exponents, and radicals, Solving one-variable linear equations and inequalities, Addition, subtraction, multiplication, and division of polynomials, Factoring Polynomials, Graphing Linear and Quadratic Equations, Solving Systems of Linear Equations, Graphing Linear Inequalities and Systems of Inequalities, Graphing Data, finding range, mean, median, mode, quartiles and standard deviation, Finding the probability of dependent and independent events and Solving quadratic equations.

**This course alternates school years with Applied Geometry.*

APPLIED GEOMETRY

Course Type: Required if taking Applied Algebra I

Grade Level: 10-12

Length: One year

Number of Credits -5 credits each semester/10 for total year

Prerequisites: Applied Algebra I

Course Description: This course is designed for the student who struggles with mathematics. The topics covered will be similar to those found in a traditional Geometry class but with less emphasis on theory and writing proofs. Topics covered will include: Basic facts about points, lines, planes, segments, and angles, Formulas to find distance, midpoint coordinates, slope, and the equations of parallel and perpendicular lines, Transformations including reflections, rotations,

translations, and dilations, Inductive and deductive reasoning, conditional statements, and writing mathematical proofs, Angles formed by parallel lines and a transversal and their relationships, Polygon congruence and similarity with emphasis on triangles, Properties of triangles and quadrilaterals, Right triangle relationships – Pythagorean Theorem, Sine, Cosine, Tangent, Area of circles and polygons and Surface area and volume of 3-dimensional figures.

*This course alternates school years with Applied Algebra II.

TECHNICAL MATH, MATH 1020

Course Type: Elective – also *Dual Enrollment through Northeast Community College

Grade Level: 11-12

Length: One year

Number of Credits –5 credits each semester/10 for total year

Prerequisites: *Applied Algebra I or Algebra 1*

Course Description: This course provides the math skills required in career/technical fields. The student will be able to do arithmetic operation, exponents, algebraic operation, and right triangle trigonometry with emphasis placed on applications. Major emphasis will be placed on problem solving through numerical methods using scientific calculator and graphing.

PHYSICAL EDUCATION

PE 9

Course Type: Required

Grade Level: 9

Length: Quarter

Number of Credits –2.5 credits

Prerequisites: none

Course Description: Freshman PE is a one-quarter class, that is in the first quarter or the third quarter of the school year. The class will provide a variety of movement experiences to help students develop skills, knowledge, and attitudes necessary to function in activities. Have the students start thinking of your own fitness level and ways to improve their level of fitness.

PE 10

Course Type: Required

Grade Level: 10

Length: One year

Number of Credits –5 credits each semester/10 for total year

Prerequisites: none

Course Description: Physical activity is critical to the development and maintenance of good health. Our goal is to educate individuals to have the knowledge, skills, and confidence to enjoy and engage in physical activities.

Activities include: Soccer, walking/jogging, softball, kickball, basketball, badminton, pickle ball, Frisbee golf, golf, CPR, combative activities, tennis, horseshoes, weight lifting, bowling, fitness workouts, Wii, team games, body fat/body mass testing, volleyball, L – J mile run, and other activities depending on the weather and gym space.

LIFETIME ACTIVITIES

Course Type: Elective

Grade Level: 11-12

Length: One Semester

Number of Credits –5 credits each semester

Prerequisites: none

Course Description: The goal in this class is to increase health-related fitness, self-responsibility, and enjoyment of physical activities. Students will learn the importance of regular physical activity, how to improve fitness levels, develop self discipline, stress reduction, improve self confidence and self esteem, and setting goals for fitness.

WEIGHT TRAINING

Course Type: Elective

Grade Level: 10-12

Length: One Semester

Number of Credits –5 credits each semester

Prerequisites: none

Course Description: Instruction on the proper lifting technique is the most important aspect of weight training. Once we go over the lifting techniques, then we max out to establish a lifting program. The program is designed to improve a person's strength, and power. It also will improve a person's physical well being. We meet one day a week to discuss and test over the following topics: Muscles used in the lifts, muscles of the body, skeletal system, anatomical terms, terms pertaining to function, terms pertaining to position of direction and terms pertaining to injury of conditions.

HEALTH

Course Type: Required

Grade Level: 9

Length: One Quarter

Number of Credits –2.5

Prerequisites: none

Course Description: Health is a required course that is intended to help a young person understand how to make positive and healthy decisions, as well as the repercussions of destructive decisions, now and into their adult years. The course

moves through four units: Empathy & Violence, Depression & Suicide, Substance abuse, and Reproductive Health.

SCIENCE

PHYSICAL SCIENCE

Course Type: Required

Grade Level: 9

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: none

Course Description: Physical Science exposes students to the basics of chemistry and physics. Topics covered will include atomic theory and structure, motion, forces, energy, and wave properties. Students in Physical Science will also review scientific method and measurement processes.

BIOLOGY

Course Type: Required

Grade Level: 10

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: Physical Science

COURSE DESCRIPTION: Biology is a required course the covers the science and organization of living things, moving from the microscopic to the macroscopic level. Units of first semester: Chemistry of Life, Cells, Cellular Reproduction, Cellular Metabolism, Genetics, DNA & RNA, and Genetic Energy. Units of second semester: History of Earth & Evolution, Classification, Ecology, Viruses & Bacteria, Protists & Fungi, Plants, and Animals. The course also includes dissections of Crayfish and fetal pig, and other organisms if time allows

CHEMISTRY

Course Type: Elective

Grade Level: 11-12

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: Physical Science

COURSE DESCRIPTION: Chemistry I focuses on inorganic chemistry with an emphasis on organization of the periodic table, compound formation with ionic and covalent bonding, writing chemical formulas and balancing chemical reactions. Chemistry I is a lab-based course, meeting the requirements for students interested in pursuing a 4 year post secondary degree.

CHEMISTRY II

Course Type: Elective

Grade Level: 12

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: Physical Science, Biology, Chemistry I

COURSE DESCRIPTION: Students in Chemistry II will continue from where Chemistry I left off. Topics in Chemistry II will include stoichiometry, ideal gas laws, reaction rates, and organic chemistry. Students in Chemistry II will also gain lab practical experience in assisting in lab prep for the Chemistry I classes.

PHYSICS

Course Type: Elective

Grade Level: 12

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: none

COURSE DESCRIPTION: Students enrolled in Physics will study many topics, including acceleration, forces, Newton's Laws, and vectors. Students will handle data, including using dimensional analysis and determining significant figures, use graphs to explain the motion of objects, including velocity and acceleration, describe the basis types of forces. Use Newton's Laws to describe various types of motion of objects, use vectors to combine the effects of various vector measurements, including force and acceleration., resolve vectors into components, allowing combining vectors at any angles, describe and calculate components of projectile motion, describe the effects of gravity on various types of motion, calculate momentum of single objects and closed systems. Demonstrate conservation of momentum in elastic collisions, describe various types of simple machines and calculate measurements involved with simple machines, including mechanical advantage, work, and efficiency.

INTEGRATED SCIENCE

Course Type: Elective

Grade Level: 11-12

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: Physical Science, Biology

Course Description: Integrated Science is an interdisciplinary course covering concepts of Physical Science, Space and Earth Science and Life Science. This will include, but not be limited to: the scientific processes, the structure of matter, the nature of energy, the patterns of life and the Earth's systems. Emphasis will be placed on content in the Nebraska Science standards for preparation for the NeSA Science tests.

GEOLOGY

Course Type: Elective

Grade Level: 11-12

Length: One semester

Number of Credits –5 credits each semester

Prerequisites: Physical Science, Biology

Course Description: Geology is a semester long class that covers the fundamental characteristics of the Earth which includes, but is not limited to: minerals and rocks, weathering and erosion, the dynamics of plate tectonics, and geologic time. Also included is content for the Nebraska State Science Standards in preparation for the state NSCAS tests.

METEOROLOGY

Course Type: Elective

Grade Level: 11-12

Length: One semester

Number of Credits –5 credits each semester

Prerequisites: *Physical Science, Biology*

Course Description: Meteorology is a semester long class that covers the fundamental characteristics of the atmosphere and its interactions with solar energy which create the different weather patterns and climates on Earth. This will include, but not be limited to: the structure and composition of the atmosphere, the distribution of heat within the atmosphere, the water cycle, air masses, global weather patterns and forecasting, the nature of storms and severe weather. Also included is content for the Nebraska State Science Standards in preparation for the state NSCAS tests.

COLLEGE BIOLOGY

Course Type: Elective

Grade Level: 12

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: *Chemistry*

Course Descriptions: Introduction to the major biological dynamics, cell structure and function, cell division, photosynthesis, cellular respiration and genetics. Students will develop critical thinking skills involving biology related issues as they pertain to societal and individual problems. They will also demonstrate a knowledge of the basis of life including: characteristics of living things, forms and functions living things and the interactions of living things within the biosphere. A variety of laboratory techniques will also be a part of this class. Students taking this course can elect to take this as College Credit through Northeast Community College. There will be a fee for the college credit that is paid directly to Northeast Community College.

ANATOMY AND PHYSIOLOGY

Course Type: Elective

Grade Level: 11-12

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: *A or B required in Physical Science and Biology. C in PS or Biology needs permission from Anatomy instructor. Must have taken Chemistry or be enrolled in Chemistry*

Course Description: This college prep elective course covers the anatomy and

physiology of all the organ systems of the body. Units for first semester include: Intro to anatomy, Chemistry of the Body, Cell organization (human cell slides), Integumentary system, skeletal system (bone dissection), muscular system (rabbit muscle cell lab & cat muscle dissection), nervous system (sheep brain dissection), special senses (cow eye dissection), endocrine system, circulatory system (heart dissection & blood typing), immune system, digestive system, respiratory system, urinary system (kidney dissection), and the reproductive system. The course ends with an adult cat dissection going through all the major systems, except for the muscular, done earlier in the year.

SOCIAL SCIENCE

WORLD HISTORY

Course Type: Elective

Grade Level: 10-12

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: none

Course Description: World History will give the student an overall introduction to the history of the world from the late Middle Ages through WWII. We will cover the following topics as directed by the state standards; Government, society religion and economic systems up to the late medieval period, Historical developments of the Renaissance, Historical developments of the Reformation, Impact of European expansion into the Americas, Africa, and Asia, Comparative study of Judaism, Christianity, Islam, Buddhism, Hinduism, Confucianism, Scientific, political, and economic changes of the 16th,17th,18th,19th centuries,19th Century political developments in Europe and their impact on the world, The effects of the Industrial Revolution and Major 20th Century historical events.

WORLD GEOGRAPHY

Course Type: Required

Grade Level: 9

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: none

Course Description: World Geography will give the student a basic introduction to the geography of the world. The following topics will be covered in compliance with the state standards; Basic geographic skills, how selected physical and ecological processes impact the earth's surface, distribution, growth rates, and characteristics of human population, patterns of urban development, function of towns and cities, problems related to human mobility, social structure, and the environment, regional development of Asia, Africa, the Middle East, Latin America, and the Caribbean, forces of conflict and cooperation, apply geography to interpret the past, understand the present, and plan the future.

AMERICAN HISTORY

Course Type: Required

Grade Level: 11

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: none

Course Description: Students will study American History starting with the events leading up to the American Revolution and ending with the start of World War I. Included will be an in-depth look at the American Revolution including the Declaration of Independence, the War of 1812, the Texas Revolution, the Mexican-American War, the Civil War including causes and results, and the Spanish-American War. Class will include L to J quizzes over 49 important figures in American History. Each student will also be required to complete a homework binder for each chapter to be submitted on the day of each chapter test.

AMERICAN GOVERNMENT

Course Type: Required

Grade Level: 12

Length: One semester

Number of Credits –5 credits each semester

Prerequisites: none

Course Description: Class will explore the establishment of democratic government in the United States including the origins of American democracy. Important topics include forms of government, republicanism, social contract theory, the Declaration of Independence including origins, the Articles of Confederation, an in-depth look at the Constitution including the five basic principles and the Amendments, the role of Congress in American government, and an in-depth look at the basic freedoms provided by the Bill of Rights including court cases which establish these freedoms. Each student will be required to create a portfolio with various activities for each chapter studied to be submitted on the day of the chapter test.

CURRENT AMERICAN HISTORY

Course Type: Elective

Grade Level: 12

Length: One year

Number of Credits –5 credits each semester/10 for full year

Prerequisites: none

Course Descriptions: Students will start at the present and work backwards to study major events in American History from the 9/11 terrorist attack to World War II. Major themes of study include the War on Terror and an increase in country-wide patriotism following this event, Bill Clinton's Impeachment, technological and social advances of the 1980's, Watergate, Vietnam War, the Civil Rights Movement, and WWII. Course will also include other important American history events divided up by decade. Course also includes use of daily newspapers and Upfront Magazines to journal about current local, state, national, and world news events.

MODERN WORLD HISTORY

Course Type: Elective

Grade Level: 10-12

Length: One semester

Number of Credits –5 credits each semester

Prerequisites: *World History*

Course Descriptions: In Modern World History we will begin our study in Europe at the outset of WWII. We will study the development of Communism in China, the Soviet Union, Cuba, and SE Asia. We will examine the Korean War and the Vietnam Conflict, the Cold War and the Cuban Missile Crisis. We will take a look at independence movements in the Asian countries that were formerly colonies of the great Imperial nations of Europe and the U.S. We will study the fall of Communism in the Soviet Union and Eastern Europe and the development of democracies in Latin America.

ANCIENT CIVILIZATIONS

Course Type: Elective

Grade Level: 10-12

Length: One semester

Number of Credits –5 credits each semester

Prerequisites: none

Course Descriptions: In second semester Ancient Civilizations we will begin our study of ancient peoples by taking a look at the very earliest of civilizations in Mesopotamia, the Nile River Valley, The Indus River Valley and the Yangtze River Valley in China. From there we will examine the Ancient Greek world and the Roman Civilization. If we have time we will also take a look at the Ancient Muslim world and the civilizations that developed in Middle America.

SOCIOLOGY

Course Type: Elective

Grade Level: 11-12

Length: One semester

Number of Credits –5 credits

Prerequisites: none

Course Description: Sociology will give students a basic introduction to the study of human relationships. The following topics will be covered: Culture and Social Structure, The Individual in Society, Social Inequality, Social Institutions, and the Changing Social World. Class will include L to J quizzes, section quizzes, chapter and unit tests, and classroom discussions completed via Canvas.

DRIVER'S EDUCATION

DRIVER'S EDUCATION

Course Type: Required

Grade Level: 9

Length: One quarter

Number of Credits –2.5 credits

Prerequisites: none

Course Description: THS will introduce students to driving and the responsibilities that go along with it. We place an emphasis on traffic safety. This program is designed to develop knowledge, skills, and attitude to become a safe, low risk, responsible driver. We will go through the Nebraska Driver's Manual. Not only do you need to pass the class, you need to pass the Driver Manual test as well. Driving dates and times will be during the summer. Students will sign up for those dates and times in the spring. Driving time consists of 5 hours of behind the wheel driving and taking the driving test..

SPECIAL EDUCATION

LIFE SKILLS

Time: 1-3 periods/day

Pre-requisite: Staff recommendation

Goal: Improve the independent, daily living and social skills of individuals with special needs.

Settings: Classes will take place in the resource room, home-economics classroom, community and other settings as appropriate for developing needed skills.

Evaluation: Assessments may be written, hands-on, or as part of observations by staff members.

Course Description: Students will complete written assignments and participate in activities in order to improve basic life skills. Projects may include cooking, cleaning, doing laundry, shopping, and accessing the community. Students will have opportunities to plan and organize, use small appliances, spend and save money, follow community signs, and practice safety skills, and use manners.

INDIVIDUALIZED RESOURCE CLASSES

Time: As appropriate according to a student's Individualized Education Plan

Pre-requisite: Students 7-12 according to IEP and or teacher recommendation

Goal: Students strive to meet IEP academic goals through lecture and lessons.

Settings: Resource room

Course Description: Individualized or small group academic classes may be offered in order to meet student's specific needs. Curriculum will be determined by the student's IEP, level of learning, district approved curriculum and or Nebraska State Standards.

JOB EXPLORE

JOB EXPERIENCE

Time: 1 period/day

Pre-requisite: Juniors and Seniors or by recommendation from staff. This course is usually combined with requirements in our Alternative Education Program.

Goal: Students will have the opportunity to explore part-time employment or future career possibilities.

Settings: Students may be placed within the school setting or in the community. All placements must be pre-approved by staff and administration.

Evaluations: Students will be evaluated in written form at least once per quarter. Evaluations, attendance, and attitude will play a role in determining grades for Job Experience.

***Semester grades for Job Experience will not be included in the figuring of GPA.

Course Description: Students will work with staff to select an appropriate placement for exploring careers or practicing employment skills. Once placed students will be expected to conduct themselves professionally by being on time, dressing appropriately, practicing confidentiality, completing tasks as assigned, and accepting constructive criticism throughout the experience. Occasionally, the placement is not an appropriate match for the student thus he or she will be replaced for the remainder of the experience. Failure to complete the Job Experience or abide by the rules of the program, may result in a failing grade and/or no credit for the course.

ALTERNATIVE EDUCATION

Alternative Education Program: The mission of the Alternative Education Program at Tekamah-Herman High School is to provide an opportunity for students to earn credit toward their graduation requirements outside of the traditional classroom. Students utilize the OdysseyWare program, an online curriculum that allows students to work at their own pace in the classroom. The lessons and projects are all done independently and the instructor is available to monitor, assist, guide, and assess student progress. It is the individual student's responsibility to use their class time wisely and work independently to complete their classes. Any behavior that disrupts the classroom will not be tolerated and the student will be dismissed from the program.

