

**FILLMORE CENTRAL HIGH SCHOOL
GRADUATION REQUIREMENTS**

Students may choose a course of study that prepares them for college or to be contributing members of society after high school. Students must earn 250 credits to graduate. Seniors must enroll in a full schedule and earn a minimum of 52 credits their senior year unless parents, counselor and principal grant special permission. Exceptions may be made for students enrolled in special programs.

English	English I English II English III or Applied Communications for Juniors English IV or Applied Communications for Seniors A total of 4 years of English is required.
Social Science	Three classes of Social Science are required, and must include American History and Government and one additional course of Geography or World History. Psychology, Sociology and Economics are also offered.
Math	Three classes of Math are required and students may choose from Algebra I, Geometry, Standards Math, Algebra II, Pre-Calculus or Calculus.
Science	Three classes of Science are required and include Physical Science, Environmental Science and Biology I. Biology II, Chemistry I, Chemistry II, and Physics are also offered. The following classes must be taken in sequential order, Physical Science, Environmental Science, and Biology I.
Physical Education	Ninth grade Physical Education is required.
Vocational Education	Vocational Education including Personal Finance or Single Survival-either class are 5 credits, additional vocational credits are required (Vocational Classes are Agriculture, Industrial Tech, Business, & Family & Consumer Science)
Ninth Grade Exploration	The following exploratory classes are required, Careers, FCS, and Introduction to Agriculture,

Students must earn additional elective credits totaling 250 which also includes the above requirements

CLASS STATUS

In order to attend and/or participate in class activities, a student must have credits necessary to be considered a member of that particular class. Class status will be determined according to the following schedule:

Freshmen	0 - 59
Sophomores	60 - 119
Juniors	120 - 179
Seniors	180 - 250

TOP 10% INCLUDING VALEDICTORIAN(S) & SALUTATORIAN(S) SELECTION CRITERIA

Students with the highest cumulative GPA will be eligible for the Top 10% including Valedictorian and Salutatorian of their graduating class. To be eligible for this honor, a student will be required to complete the following courses:

- English I, II, III, and IV, Speech I
- Algebra I, Geometry, Algebra II, and Pre-Calculus
- Students will need to take two of the following science classes in addition to the 3 required sciences: Biology II, Chemistry I, Chemistry II, and Physics
- 2 courses of Foreign Languages (must be of the same language)

COLLEGE ADMISSION REQUIREMENTS

How well you do in college will depend greatly on how well you prepare yourself while still in high school. Nearly all postsecondary education institutions now require students to complete more stringent high school coursework due to a growing need for a larger base of knowledge and skills for today's workforce. Contact the university, college, or school you plan to attend as early as possible in your high school career to find out what high school coursework is required or recommended for admission.

UNIVERSITY OF NEBRASKA

The University of Nebraska has admission requirements that most students must meet to be admitted to any of the University's four campuses. To be assured of admission, students entering the University of Nebraska (including transfer students) must meet the following general admission high school course requirements:

- 4 units of English
- 3 units of mathematics (4 units at UNL)
- 2 units of foreign language
- 3 units of natural science
- 3 units of social sciences

Students also must rank in the upper half of their senior class -or- have a minimum ACT composite score of 20 -or- minimum SAT score of 950. Applications of students who don't meet all entrance requirements will be reviewed and approved on a case-by-case basis.

PRIVATE COLLEGES/UNIVERSITIES

Many of Nebraska's private colleges and universities have similar admission requirements to those of the state university system. Some may include other requirements in high school courses such as computers and fine arts, etc.

STATE COLLEGE SYSTEM

To attend Nebraska's state colleges, you must be a high school graduate and you are strongly encouraged to have completed the following coursework:

- 4 units of English
- 3 units of social sciences
- additional courses in foreign language, fine and performing arts, computer literacy
- 3 units of mathematics
- 2 units of laboratory sciences

COMMUNITY COLLEGES

Most community colleges require incoming students to take the ASSET or COMPASS Basic Skills Assessment Test, which will help determine your level of preparation and place you in appropriate courses and programs. The community colleges strongly recommend that you have a solid high school preparation in English, math and science and have some experience on computers.

PRIVATE CAREER SCHOOLS

Like community college, many private career schools also encourage students to have completed high school coursework in English, math, science and computers prior to entering career programs.

(Taken from pages of the 2002 Nebraska Careers & Education)

SUGGESTED COLLEGE PREP CLASSES

English	English I English II English III English IV
Social Science	Three semesters or units of social science are required, and must include American History and Government. World History and Geography are highly suggested.
Math	Three semesters or units of math are required: Algebra I, Geometry, Algebra II, Pre-Calculus and Calculus are suggested.
Science	Three semesters or units of science are required: Physical Science, Environmental Science, Biology I. Biology II, Chemistry I, Chemistry II and Physics are suggested.
Physical Ed.	One semester or unit of physical education in grades 9 through 12 is required.
Family & Consumer Science	Human Development is suggested.
Business Ed.	Personal Finance is required.
Foreign Language	Two semesters or units are strongly recommended with three semesters required by some colleges.
Speech	Speech I is highly recommended.

Entrance requirements vary according to the intended major and college or university selected. It is important to investigate colleges and areas of interest to plan a program of study.

CLASS CHANGE POLICY

Classes may be dropped or added by students during the first week of the class, or anytime prior to the end of the previous semester. If a change is made after the one week period, the class and its grade will be listed on the student's transcript.

Procedures for dropping or adding classes:

- I. The student picks up a drop/add form from the counselor's office.
- II. Approval must be obtained from the counselor, principal, teacher, and parent.

**FILLMORE CENTRAL HIGH SCHOOL
COURSE OFFERINGS**

<u>DEPARTMENT</u>	<u>PREREQUISITE</u>	<u>CREDIT HOURS</u>	<u>COURSE LENGTH</u>
<u>Non-Departmental</u>			
Teacher Assistant	Permission	2.5 or 5 credits	18 or 36 weeks
Elementary Mentoring	Permission	5 or 10 credits	18 or 36 weeks
Work Release	Permission	0 credits	18 or 36 weeks
Career Academy	Permission	10 credits	36 weeks
Distance Learning Classes	Permission	5 or 10 credits	18 or 36 weeks
College Prep – Juniors	Permission		18 weeks
College Prep – Seniors	Permission		18 weeks
<u>Ninth Grade Exploration Classes</u>			
Exp Careers	None	2.5 credits	9 weeks
Exp FCS	None	2.5 credits	9 weeks
Exp Intro to Ag	None	2.5 credits	9 weeks
<u>Agricultural Education</u>			
Power, Structure and Technical Systems	None	10 credits	36 weeks
Metals and Fabrication	Power, Structure and Technical Systems	10 credits	36 weeks
Ag Mechanics III	Power, Structure and Technical Systems and Metals and Fabrication	10 credits	36 weeks
Animal Science	None	10 credits	36 weeks
Horticulture	None	10 credits	36 weeks
Natural Resources	None	10 credits	36 weeks
Plant Science	None	10 credits	36 weeks
<u>Business Education</u>			
Intro To Web Design	None	5 credits	18 weeks
Personal Finance	None	5 credits	18 weeks
Economics	None	5 credits	18 weeks
Entrepreneurship	None	5 credits	18 weeks
Accounting I	None	10 credits	36 weeks
Accounting II	Accounting I	10 credits	36 weeks
Acct II – Dual Credit	Accounting I	10 credits	36 weeks
<u>English</u>			
English I	None	10 credits	36 weeks
English II	English I	10credits	36 weeks
English III	English II	10 credits	36 weeks
English IV	English III	10 credits	36 weeks
English IV-dual credit	English III	10 credits	36 weeks
Language Arts Lab	Recommendation	10 credits	36 weeks
Applied Comm. 11	Eng. I & II	10 credits	36 weeks
Applied Comm. 12	Eng. III or App. C 11	10 credits	36 weeks
Speech I	English I	10 credits	36 weeks
Speech II	Speech Team	10 credits	36 weeks
Advanced Composition	English II	5 credits	18 weeks
Adv. Comp.-dual credit	English II	5 credits	18 weeks
Yearbook/Journalism	“C” in English	10 credits	36 weeks

<u>DEPARTMENT</u>	<u>PREREQUISITE</u>	<u>CREDIT HOURS</u>	<u>COURSE LENGTH</u>
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Family and Consumer Sciences

Child Dev./Parenting	None	5 credits	18 weeks
Foods & Nutrition	None	10 credits	36 weeks
Individualized FCS	None	10 credits	36 weeks
Advanced Individualized FCS	Individualized FCS	10 credits	36 weeks
Human Development	None	5 credits	18 weeks

Fine Arts

Art I	None	10 credits	36 weeks
Advanced Art	Art I	10 credits	36 weeks
SH Band	None	10 credits	36 weeks
Concert Choir	None	10 credits	36 weeks

Foreign Language

Spanish I	None	10 credits	36 weeks
Spanish II	Spanish I	10 credits	36 weeks
Spanish III	Spanish II	10 credits	36 weeks
Spanish IV	Spanish III	10 credits	36 weeks

Industrial Technology

Cabinetmaking	None	10 credits	36 weeks
App. In Construction Tech	Cabinetmaking	10 credits	18 weeks
CAD Systems	Geometry	10 credits	36 weeks
Engineering Tech	None	5 credits	18 weeks
Electricity/Electronics	None	5 credits	18 weeks

Mathematics

Pre-Algebra	None	10 credits	36 weeks
Algebra I	None	10 credits	36 weeks
Geometry	Algebra I	10 credits	36 weeks
Standards Math	Geometry	10 credits	36 weeks
Algebra II	Algebra I & Geometry	10 credits	36 weeks
Pre-Calculus	Algebra I & II/Geometry	10 credits	36 weeks
Calculus	Pre-Calculus	10 credits	36 weeks
Calculus-dual credit	Pre-Calculus	10 credits	36 weeks

Physical Education/Health

Physical Education 9	None	10 credits	36 weeks
Lifetime Activities	Physical Education 9	10 credits	36 weeks
Weight Training	None	10 credits	36 weeks
Personal Fitness Planning	9 th PE	10 credits	36 weeks

Science

Physical Science	None	10 credits	36 weeks
Environmental Science	None	10 credits	36 weeks
Biology I	Phys. Sci. Recommended	10 credits	36 weeks
Biology II	Biology I	10 credits	36 weeks
Chemistry I	Algebra or Physical Science w/C	10 credits	36 weeks
Chemistry II	Chemistry I	10 credits	36 weeks
Forensic Science	Phys. Sci. and Chem I	10 credits	36 weeks
Physics	Algebra I, II, PS w/C	10 credits	36 weeks

(A grade of B or better in the above math classes or permission of instructor)

<u>DEPARTMENT</u>	<u>PREREQUISITE</u>	<u>CREDIT HOURS</u>	<u>COURSE LENGTH</u>
Social Science			
American History	None	10 credits	36 weeks
Geography	None	10 credits	36 weeks
World History	None	10 credits	36 weeks
Government	American History	10 credits	36 weeks
Sociology	None	5 credits	18 weeks
Psychology	None	5 credits	18 weeks
Modern History	American History	10 credits	36 weeks

NON-DEPARTMENTAL

Teacher Assistant

Grade: 12

Prerequisite(s): Permission of the Principal, Counselor, and Teacher

Course Length: 18 weeks or 36 weeks

Credit Hours: 2.5 or 5

No fee

This offering is designed to encourage staff-student interaction and provide assistance for staff. Students will assist teacher in tasks related to management of classroom and instruction for students. Evaluation may be based on cooperation, performance, attitude and sense of responsibility. This will be a pass/fail class and therefore not figured into a student's GPA. Students may be a TA only one period their senior year. A TA must have and maintain a 2.5 GPA. TA's will work with instructors during their Planning Period only. Students cannot be a TA or Mentor and have Work Release in the same semester.

Elementary Mentoring Program

Grade(s): 11-12 (A limit to the number of students allowed to participate may be necessary)

Prerequisites: See Below

Course Length: 18 or 36 weeks

Credit Hours: 5 or 10 credits

No fee

Students interested must thoroughly complete an application form. Applicants must have a 3.0 cumulative GPA, no attendance issues, and no serious behavior problems.

This course is designed to provide students who are interested in a career working with children the opportunity to spend one period a day assisting at the elementary school. Students must be able to work well with children, follow directions and possess good organizational skills. Furthermore, students should be motivated and innovative. Journaling their experiences may be required. Students must be able to provide their own transportation to and from the elementary school. This will be graded as pass/fail and therefore not figured into a student's GPA. Students cannot be a Mentor or TA and have Work Release in the same semester.

Work Release

Grade(s): 11th grade (2nd semester only), 12th grade

Prerequisite(s): Permission of the Principal.

Course Length: 18 or 36 weeks

Credit Hours: None

No fee

The purpose of the work release program will be to allow qualifying juniors or seniors the ability to work during school to further their employability skills. For students to participate in the Work Release program, students must be able to maintain passing grades in all classes; students must not exceed the school policies related to attendance/tardies, students must show proper behavior in class and all activities. Students will provide their own transportation to and from work. Students cannot be a TA or mentor and have work release in the same semester.

Southeast Nebraska Career Academy Partnership

Grades(s): 11-12

Prerequisite(s): 20 ACT Composite Score, English III

Course Length: 18 weeks

Credit Hours: 10

Fees will include Tuition, Books, Transportation, etc.

ESU #6 will be offering career academics courses. As part of the Academy experience, students from across the region will have the opportunity to meet together and take college level courses from Southeast Community College, job shadow in their related field, hear guest speakers from across the state, take field

trips, learn online and through distance learning, and collaborate with students from different schools. The Academics being offered for the 2012-2013 school year include: (See offerings attached at the end of this handbook.)

Distance Learning Classes

Grades: 11-12

Prerequisites: Permission of the Counselor and Principal

Course Length: 18 or 36 weeks

Credit Hours: 5 or 10

Fees will depend on the class taken

Applicants must have a 3.0 cumulative GPA, no attendance issues, and no serious behavior problems.

Several high school and college classes are available for 11th and 12th graders through the Distance Learning Program. Students may receive dual credit for high school and college distance learning classes. However, the high school or college grade will not be figured into the student's GPA. Tuition plus materials will be charged for college classes. The college classes may satisfy college program requirements.

College Prep. for Seniors

Grade: 12

Prerequisite(s): Permission of the Principal & Counselor

Course Length: 18 weeks (1st Semester only)

Credit Hours: 5

Possible Fee

This class is designed for seniors who would like to complete the John Baylor ACT Test Preparation Course. This class will also allow seniors to work on college applications and scholarship applications. This class will be graded as pass or fail.

College Prep. for Juniors

Grade: 11

Prerequisite(s): Permission of the Principal & Counselor

Course Length: 18 weeks (2nd Semester only)

Credit Hours: 5

Possible Fee

This class is designed for juniors who would like to complete the John Baylor ACT Test Preparation Course. This class will also allow juniors to research colleges and prepare for scholarship applications. This class will be graded as pass or fail.

*****Please note a student that is failing a class will not be able to participate in the non-departmental courses listed above until all classes have a passing grade.*****

Exploration Classes

Grade: 9

Prerequisite(s): None

Course Length: Each of the four courses offered is 9 weeks long

Credit Hours 2.5 credits total

No fee

Introduction to Agriculture Food and Natural Resources

Grade(s): 9

Prerequisite(s): None

Course Length: 9 weeks

Credit Hours: 2.5

No fees

Introduction to Agriculture and Natural Resources is designed to introduce first year students to the world of agriculture and natural resources. The course deals with career opportunities in agriculture and natural resources, and introduces students to the areas of animal science, agronomy, soil science, horticulture, natural resources, agribusiness, and leadership. Students will be introduced to the National FFA Organization, parliamentary procedures and supervised agricultural experience program. Recommended highly for students who are going to take more agriculture classes in the future and to students that want to join FFA!

Career Education

Grade: 9

Prerequisite(s): None

Course Length: 9 weeks

Credit Hours: 2.5

The purpose of the career education offering is to provide freshman students with career exploration opportunities followed by career skills assessment. Information gained will provide a background for students to access their own abilities and relate it to identifying potential career choices for the future as well as in making wise decisions such as in course of study throughout high school and college.

FCS

Grade: 9

Prerequisite: None

Course Length: 9 weeks

Credit Hours: 2.5

This class will give students an introduction to the areas of Family and Consumer Science education. The class will cover topics related to Food and Nutrition, Clothing, Life Skills and Relationships. Students will have the opportunity to experience hands on activities and complete projects in the given areas.

Students will have the opportunity to make a sewing project during the sewing unit which will range in cost from \$5-\$15 depending on the project chosen. If the student does not wish to pay for a kit, a kit will be provided for them, and the finished product will remain in the FCS department.

AGRICULTURAL EDUCATION

Power, Structure and Technical Systems Fundamentals (Formerly known as Ag Mechanics I)

Grade(s): 10-12

Prerequisite(s): Intro to Ag

Course Length: 36 weeks

Credit Hours: 10

The first part of this class would be shop safety, small engines, and an introduction to welding. Students will develop skills in stick, wire, and oxygen acetylene welding by creating various joints. Students will also learn how to do oxygen acetylene cutting and create projects decided by the instructor. The later part of this class would involve designing, building, and completing individual metal projects which may or may not require a materials fee for the metal. This class also includes components related to Supervised Agricultural Experience and leadership.

Metals and Fabrication

Grade(s): 11-12

Prerequisite(s): Power, Structure and Technical Systems Fundamentals

Course Length: 36 weeks

Credit Hours: 10

This class will demand the average welder to increase his/her skills to become an above average welder. It is designed for students that might be considering a career as a welder. A type of welding will be primarily wire welding. Students that successfully complete the class will have the opportunity to be tested to be an American Welding Society qualified welder. Other types of welding will be allowed if time allows so that students may become better with stick, TIG, or OA welding. If time allows, the later part of this class would involve designing, building, and completing more advanced metals project. This class also includes components related to Supervised Agriculture Experience and leadership.

Ag Mechanics III (Welding Certification)

Grades: 12

Prerequisite, Power, Structure and Technical Systems Fundamentals, Metals and Fabrication and instructor permission

Course Length: 36 Weeks

Credit Hours: 10

Maximum Number of Students: 3

This class is permitted for students who have done well in both previous Ag Mechanics classes. Students who want to continue their welding qualification or prepare themselves to complete the test again would be considered for this class. Students would be expected to assist in teaching and instructing the hands on portion of the Ag Mechanics I. Students would continue their certification by continuously welding and working on projects, for themselves, the instructor, school, or community.

Animal Science

Grade(s): 10-12

Prerequisite(s): Intro to Ag

Course Length: 36 weeks

Credit Hours: 10

This course will deal with the science, production and management of livestock, such as but not limited to beef, swine, and sheep. Course topics include the anatomy and physiology of livestock, including digestion and reproduction, nutrition and feeding, diseases, vaccinations, genetics, breeding, breed identification, parasites, selection, and other managerial components of raising food animals. This class also includes components related to Supervised Agriculture Experience and leadership.

Horticulture and Landscape

Grade(s): 10-12

Prerequisite(s): Intro to Ag

Course Length: 18 weeks

Credit Hours: 5

This course of study is designed to provide orientation and a practical experience in the world of horticulture. This course will provide an basic background in plant science, floriculture, nursery and landscape, gardening and houseplants. A student will be provided with programmed laboratory activities at each phase. Part of the course will deal with selection and use of plant materials in landscape, landscape design, principles of landscape, maintaining the landscape, types of lawn grasses, lawn installation and lawn maintenance and bedding plant production. This class will involve hands - on activities including actually designing a landscape and installation. This class also includes components related to Supervised Agricultural Experience and leadership. Part of the course work will include maintaining, pruning, mulching, and improving the school's landscape.

Natural Resources

Grade(s): 9-12

Prerequisite(s): Intro to Ag

Course Length: 36 weeks

Credit Hours: 10

No Fee

The natural resources class will discuss water and soil management, soil conservation, land judging and classification, fish and wildlife in America, waterfowl, game birds, big game, small game, endangered species, wildlife habitat, forestry, ecosystems and food chains, and other current environmental issues. This class also includes components related to Supervised Agricultural Experience and leadership.

Plant Science

Grades(s): 10-12

Prerequisites(s): Intro to Ag

Course Length: 36 weeks

Credit Hours: 10

No Fee

This course will deal with basic science of plants, such as structures, functions, and growth requirements. The plant type focus will primarily e on field crops and the productions and management of crops, such as but not limited to corn and soybeans. Course topics would include basic uses and crop categories, plant anatomy& physiology, fertilizer, nutrition, crop identification, seed identification, and weed identification. Soil management and erosion control will also be included in this class. This class also includes components related to Supervised Agriculture Experience and leadership.

Agribusiness

Grades: 11-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

No Fee

The agribusiness class will discuss human relations in agribusiness and how to deal with the human capital. Business and economic topics will include general economics, types of business organizations, marketing structure, marketing channels, physical production, and management. The sales portion of the Agbusiness industry will include displaying, advertisement and promotions of products and sales demonstrations of products. Other topics will include legal land descriptions, land use and zoning, and land evaluation. This class also includes components related to Supervised Agriculture Experience and leadership, specifically personal record keeping and award applications.

BUSINESS EDUCATION

Intro to Web Design

Grades: 9-12

Prerequisites: Interest in technology and website creation. Computer programming experience suggested, but not required

Course length: 18 weeks

Credit hours: 5

Fees: None

Course description: The Intro to Web Design will provide students with the experience and tools necessary to create functional websites based on valid coding practices. Students will be introduced to the HTML and CSS coding languages and how they combine to create web pages. All materials will be provided in class, though some projects may require some work outside of class.

Personal Finance

Grade(s): 11-12

Prerequisite(s): None

Course Length: 18 weeks

Credit Hours: 5

Personal Finance is a required one-term length course available to 11th and 12th grade students. The course stresses financial situations the student will encounter as an adult member of society. It is designed to benefit the student in his/her own personal life, regardless of occupation. Emphasis is placed on earning and budgeting money and how supply and demand affects financial decisions. Independent research projects using community resources are completed in the areas of housing, transportation, insurance and food costs. Background information is also provided on credit, banking skills, fraud, taxation, and job interview techniques.

Economics

Grades 9-12

Prerequisite: None

Course Length: 18 weeks

Credit Hours: 5

Students will gain an understanding of basic economic and financial principles in order to make wise domestic and global decisions related to their personal financial affairs, the successful operation of business organizations, and the economic activities of the country. Competency will be shown by applying economic and personal financial reasoning to individual, business and government practices.

Accounting I

Grade(s): 10-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

The first-year accounting course emphasizes basic practices used in double entry (debit and credit) accounting practices in business and personal records. It stresses the handling of accounts, records, and reports for a sole proprietorship and corporation. This course will help students understand business finances in their chosen careers and in their personal lives. Students will have the opportunity to explore automated accounting.

Accounting II

Grade(s): 12

Prerequisite(s): Completed Accounting I with a C average or higher

Course Length: 36 weeks

Credit Hours: 10

The second year accounting course is primarily planned as a career-oriented course for the student who plans to go into the business field. Special journals, payroll, bad debts, partnership and corporation accounting, and cost accounting are covered. Accounting software will be utilized in processing accounting data. Students wishing to attend UNL in business may be eligible for advanced placement in accounting courses with successful completion of this class. Students who earn a B or higher in both Accounting I & II can receive tech-prep credit at SECC. Students will also be given the opportunity to work with a community accounting mentor.

Management and Leadership

Grade(s): 10-12

Course Length: 18 weeks

Credit Hours: 5

This introductory business course emphasizes basic concepts of management and leadership within a business or organization. It addresses characteristics, organization, and operation of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading and controlling an organization. They will also acquire essential leadership skills in the areas of emotional intelligence: time management, stress management, professional growth and development, communication, and workplace relationship skills.

ENGLISH

English I

Grade(s): 9

Prerequisite(s): English 8

Course Length: 36 weeks

Credit Hours: 10

The purpose of the course is to develop skills in using the English language and to broaden thinking experience through reading literature. Language units, involving punctuation, usage, grammar, and vocabulary may be alternated with literary units. Literary units may include the following: short stories, dramas, novels, and mythology. Evaluation will be based on quizzes, objective and subjective tests, written reports, essays and oral presentations. English I will also focus on speaking and listening skills, including the writing and presenting of an informative speech.

English II

Grade(s): 10

Prerequisite(s): English I

Course Length: 36 weeks

Credit Hours: 10

English II includes language mechanics, which addresses such skills as basic grammar, sentence structure, spelling, and vocabulary usage. Various forms of literature are studied, including drama, short stories, and novels. Students will be evaluated through daily assignments, hands-on projects, written work, oral presentations, quizzes and unit examinations. In order to take English III you need a 77% in English II or approval from counselor, principal or teacher.

English III

Grade(s): 11

Prerequisite(s): A 77% in English II or approval from counselor, principal or teacher

Course Length: 36 weeks

Credit Hours: 10

The objective of this course is to acquaint the student with American literature. This will include a study of novels; short stories and poetry considered being American Classics. The student will also study various writers from multi-cultural backgrounds. Basic writing skills, vocabulary study, research skills, and college entrance test-taking skills will be addressed. Great emphasis will be placed on test preparation for NeSA reading and writing assessments as well as ACT tests. Evaluation will result from quizzes, tests, and writing assignments, including a research project.

English IV / English IV-PSC Dual Credit

Grade(s): 12

Prerequisite(s): English III

Course Length: 36 weeks

Credit Hours: 10

This course has been designed to resemble the structure and incorporate the expectations of a college freshman English course. A syllabus outlining reading assignments, writing assignments, and testing dates and procedures will be available for each unit. Literature units can include the study of American, British, and world authors. Sentence mechanics and grammar/usage reviews will be given. Writing will include essays for college entrance, personal narratives, and literary analysis.

Second Chance Reading/Language Arts Lab

Grade: 9

Prerequisite: Principal/Counselor recommendation

Course Length: 36 weeks

Credit Hours: 10

Second Chance Reading (SCR) is a program that provides specific course instruction for struggling readers at the high school level. The SCR class is an elective course and is referred to as Language Arts Lab (LAL) at Fillmore Central High School. The focus of SCR/LAL is on comprehension of both fiction and non-fiction texts, while also addressing vocabulary and reading fluency. Students are assigned to LAL based upon results from a variety of tests including the ITBS and the Stanford Diagnostic Reading Test. Students eligible for the program are assigned to the course by the Fillmore Central principal/guidance counselor.

Applied Communications 11 (Junior English)

Grade: 11

Prerequisite(s): English II

Course Length: 36 weeks

Credit Hours: 10

Applied Communications/Jr. English serves as an alternative to meeting the English III graduation requirement. This course will be a blend of literature, vocabulary, and grammar. Basic writing skills, vocabulary study, and response to literature will be studied. Specific emphasis will be on test preparation for NeSA reading and writing assessments. Evaluation will result from quizzes, test, and writing assignments.

Applied Communications 12

Grade: 12

Prerequisite(s): English III or Applied Communications 11

Course Length: 36 weeks

Credit Hours: 10

Applied Communications serves as an alternative to meeting the Senior level graduation requirement. Its content is most applicable to the student planning to enter the job market immediately or pursuing a two-year postsecondary education. Students will learn to apply reading, writing, listening, speaking, and problem-solving skills they are likely to confront in the workplace. Units to be included are technical writing including letters, job application skills, human relations on the job, and gathering and using information in the workplace.

Speech I

Grade(s): 10-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

The purpose of the course is to improve communication skills and to aid students in developing self-confidence. Students will study techniques of speech construction and delivery. A variety of speeches will be developed and given in class. Students will also participate in oral interpretation. Debate, mock trial, and group discussion may also be included in the course of study. Written quizzes, tests, and assignments may be given, but students will be evaluated primarily on performances.

Speech II

Course Length: 18 weeks

Credit Hours: 5

Must participate on the competitive speech team. Develop communication skills, giving and receiving constructive criticism. Students will prepare and deliver 9 NSAA speech events as well as sampling from the list of national forensics events. Evaluations will be based on performance and creation of individual and group presentations as well as preparation for competitive speech team.

Creative Writing

Grade(s): 11-12

Prerequisite(s): Permission

Course Length: 18 weeks

Credit Hours: 5

This course includes the writing of poetry and short fiction. A variety of writers are studied and students analyze their styles of writing. Students learn to use poetic devices such as imagery, metaphor and alliteration to discover their own voice in writing.

Advanced Composition / Advanced Composition-PSC dual credit

Grade(s): 11-12

Prerequisite(s): Permission

Course Length: 18 weeks

Credit Hours: 5

This course includes both the reading and analysis of discursive prose and the study of the process of writing--from the discovery of the topic to the preliminary drafts to the final edited edition. Students will study examples of prose from various fields and periods primarily in American literature. These examples will serve as models of effective styles and students will write a variety of writing assignments calling for the use of different styles or tones. Through such study and practice, students gain an understanding of the principles of effective writing and structures of sentences, paragraphs, and larger discursive patterns.

FAMILY AND CONSUMER SCIENCE

Child Development/Parenting

Grade(s): 10-12

Prerequisite(s): None

Course Length: 18 weeks

Credit Hours: 5

Child Development/Parenting is a semester course. Students both male and female, who take advantage of this course should be able to recognize roles and responsibilities associated with parenthood, identify physical, social, psychological, and economic factors affecting the family during various parenting stages, describe the general needs and patterns of development of infants, toddlers, and preschoolers, become more aware of resources within the community and develop career awareness as related to child care. Topics to be covered include an overview of parenting, prenatal development, pregnancy, birth, and the development of infants, toddlers, and preschoolers. Students are evaluated on quizzes, tests, daily assignments, oral presentations and projects.

Foods and Nutrition

Grade(s): 10-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

Course Fee: \$25.00

The purpose of the class is to provide students with nutrition, knowledge of basic cooking principles as well as nutrition-related issues. Units of study will include measurement, safety and sanitation, food selection and storage and preparation techniques for a variety of foods. Students will also have the opportunity to explore the area of cultural and ethnic foods through this class. Students will be evaluated based on assignments, tests, labs and participation.

Individualized Family and Consumer Science

Grade(s): 9-11

Prerequisite(s): Teacher Permission

Course Length: 18 weeks

Credit Hours: 5

This course is designed to give students the opportunity to choose the area or areas of Family and Consumer Science they would like to study more in depth. Offerings are available in the areas of Foods and Nutrition, Clothing & Textiles, Child Development and Parenting, Human Development, Resource Management, and Careers. After an orientation period, the students will have the opportunity to work independently in areas of interest. Completion of FCCLA's Power of One project is encouraged and may be required. Students will be required to complete one major project during the fall semester. Students must be motivated and responsible to be successful in this class. Projects and documentation will be required throughout the semester.

This is primarily a project-based class and students will need to purchase materials needed for the projects. The cost will vary depending on the project chosen. Examples include: sewing kits, fabric for sewing projects, food may need to be purchased if students wish to do food-related projects. They will only be charged for items they are taking home or consuming. While FCCLA membership is not required, this class can help enrich FCCLA membership opportunities.

Advanced Individualized Family and Consumer Science

Grades 10-12

Prerequisite(s): Teacher Permission

Course Length: 36 weeks

Credit Hours: 10

This course is designed for the student who wishes to complete a second year of Individual Family and Consumer Science. Expectations for this class are that the student will plan and complete at least one advanced FCS project during the course of this class. Suggested projects might include (but are not limited to): garment construction, quilts, knitting or crocheting large projects, research paper in FCS area, or other comparable projects, subject to teacher approval. The time length for each project would be dependent on the scope of the project, so in some cases, a number of projects might need to be completed during each semester. Costs for the projects are the student's responsibility.

This class will run concurrently with Individualized Family and Consumer Science, but may not be taken during the same year.

Human Development

Grade(s): 11-12 Preferred

Prerequisite(s): None

Course Length: 18 weeks

Credit Hours: 5

This 18 week course is designed to help students deal with relationships they will encounter in their personal and family life. Units covered include communication, understanding yourself, building relationships, friendships, dating, and responsibility. Students will be evaluated based on homework assignments, quizzes, and tests.

FINE ARTS

Art I

Grade(s): 9-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

This is an introductory course in art that is broad in scope but concentrates on an understanding of art processes. This course includes a variety of creative projects and some art history. Students will work in a variety of mediums, which will include projects in drawing, painting, and some three-dimensional work. Every project must be handed in or students may receive a failing grade for the class.

Advanced Art

Grade(s): 10-12

Prerequisite(s): Art I

Course Length: 36 weeks

Credit Hours: 10

Advanced Art is an advanced class in which students continue to apply the elements and principles of design. Areas of study may include drawing, clay, painting, screen printing, embossing. There will be sketchbook assignments to improve looking, drawing, shading skills.

SH Band

Grade(s): 9-12

Prerequisite(s): Permission of teacher

Course Length: 36 weeks

Credit Hours: 10

Fees: Instrument rent \$60 and Percussion fee \$20. Band t-shirt (student keeps) \$10. Band Shoes - \$30. (May purchase used shoes for less.) Personal Instrument Supplies (Reeds, Oil) \$5-10

The purpose of high school band is to provide students opportunity to show their musical expression in a group setting through the use of band instruments. The band provides a service to the school and to the community. It is a group that calls for dedication, cooperation, physical stamina, character, pride and perfection and can result in a great sense of accomplishment. Students can expect to learn music fundamentals, some music theory and history, and most of all individual and ensemble musicianship. They are evaluated on a point system explained in the band handbook. Concert band is the main thrust of the band program and is made up of all students who wish to play a band instrument. The concert band

performs for three or more concerts each year as well as district music contest. All band students are required to perform at every scheduled performance. Concert band members are eligible to participate in the specialized groups that are a part of the total band program. They are:

Marching Band--Marching band is required of all concert band members. It plays at home football games, participates in parades, marching contests, state fair and periodic trips to national festival or a bowl game parade depending on the pride, means, and will of the community.

Pep Band--Pep band provides entertainment at home basketball games, district and state tournaments. Pep band is required of all concert band members.

Jazz Band--Jazz band plays all types of jazz and popular music and is open to any concert band member.

Small Ensembles--Small ensembles are superior training for the individual. They perform mainly at district contest but are also available on request for public functions such as club and church meetings.

Flag Corp--Flag members are chosen from members of the band, by a tryout procedure. They will perform with the Marching Band as well as at various athletic events. Flag members are required to attend a summer flag camp. Flag members are graded based on the same process as band members.

Concert Choir

Grades: 9-12

Prerequisites: Desire to sing and make music

Course length: 36 weeks

Credit hours: 10

Fees: Robe cleaning fee - \$5

Membership in the Fillmore Central High School Choir is open to all students. Fundamental vocal technique, sightsinging, and the art of reading and interpreting a vocal score are taught. Students are required to sing and perform at special events and concerts

FOREIGN LANGUAGE

Spanish I

Grade(s): 9-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

This course is designed to introduce students who have not previously studied a second language to the Spanish language and culture. Through lectures, films, videos, written work, cooperative activities, and games, students will acquire the following: a functional communicative ability in the Spanish language, the command of some high frequency vocabulary, knowledge of the basics of Spanish grammar, and an appreciation for the Hispanic cultures of Spain and Latin America. All four areas of language will be stressed - listening, speaking, reading, and writing. Evaluation will be determined by tests, quizzes, written assignments, and projects. Spanish I students are highly recommended to continue with Spanish II.

Spanish II

Grade(s): 10-12

Prerequisite(s): Spanish I

Course Length: 36 weeks

Credit Hours: 10

This course is a continuation of Spanish I designed to increase the student's ability to comprehend, speak, read, and write the Spanish language. Linguistically, the emphasis of this course will be on expanding the student's vocabulary and mastering the past, present, and simple future verb tenses. Class activities and evaluation procedures are the same as for Spanish I. Two years of high school Spanish are the equivalent of one year in college. Spanish I and II should be taken consecutively.

Spanish III

Grade(s): 11-12

Prerequisite(s): Spanish I & II-(must pass with an 87% or higher) / Teacher permission

Course Length: 36 weeks

Credit Hours: 10

This course continues to build upon the accomplishments students have made in Spanish I and II. A comprehensive review of basic grammar is included with emphasis on the correct use of verb tense. Students will be challenged to express themselves both orally and in writing. Students will perform oral classroom simulation. Portions of this class (simulations) will be conducted entirely in Spanish. Tests, quizzes, daily work, oral proficiency and projects will determine evaluation.

Spanish IV

Grade(s): 12/Teacher permission

Prerequisite(s): Spanish III-(must pass with an 87% or higher) / Teacher permission

Course Length: 36 weeks

Credit Hours: 10

This course is conducted entirely in Spanish. Students will increase communicative abilities through readings and discussions in the target language. Evaluations will be based on tests, quizzes, oral proficiency, projects, and daily work.

*The sequence of language is important. All students should take the classes consecutively. Spanish is not a requirement to graduate from F.C.H.S., however, UNL, UNO, & UNK require two years of high school Spanish.

INDUSTRIAL TECHNOLOGY

Cabinetmaking

Grades: 9-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

Fees depend on size of project

Maximum of 14 students

The safety considerations in all woodworking areas will be conducted in detail. The basic use of hand tools will be discussed and the student will have to work with them in constructing projects. The importance of the safety of each machine will be demonstrated on and tested (passing each safety quiz 100% before using the machine). The students will practice making various wood joints. They will also have to draw, formulate a bill of materials, and create projects: End table, lathe project (pen), cutting board, and raise panel door. Types of materials, construction techniques, finishing, fabrication process, and correct terminology will also be covered. Four multimedia assignments will be required over the new advances in woodworking. We will discuss further fabrication techniques. The students will further enhance their ability to build and work towards better craftsmanship by building a large project (cedar chest, desk, gun case, bookcase, coffee table, etc).

Applications in Construction Technology

Cabinetmaking prerequisite

11-12th Grade

Course length: 18 weeks 80 min

Credit Hours: 10

3 credit hours through CCC

No Fees

Maximum 10 students

CONSTRUCTION TECHNOLOGY – In this course students explore new techniques used in the construction field today. This offered course provides detailed coverage of many aspects of framed wall construction. The areas taught include: site layout, foundations, framing, sheathing, roofing, window and doors, interior and exterior finishes, and floor/ceiling fabrication. This course is designed to give the students knowledge of construction and help the community in any projects (sheds, sidewalks, decks, driveways, drywall, etc). A review of the machines will be covered for safety purposes. Reading and understanding of blue prints will also be covered. Students will learn about different types of building materials and codes that are used in the building industry today. Students will also receive and OSHA safety certification and a Forklift safety certification. Multimedia assignments will be done over construction technology topics.

CAD Systems /Computer Aided Drafting

Grades: 9-12

Prerequisite: Geometry

Course length: 36 weeks 47 min

Credit Hours: 10

3 credit hours through CCC

No Fees

Maximum of 16 students

The class is designed to give students a knowledge and understanding of drafting terminology and the ability to use drafting tools. We will cover the basics of board drafting. We will cover such drawings as isometrics, orthographic, multi-view, sectional, one point, two point, and auxiliary. After we cover the fundamentals of board drafting we will move into CAD. We will be doing the same type of drawings we did on the boards. Students will also learn to draw 3D models, house and deck designs. A final portfolio will be required using the programs. It will consist of a three-view drawing, a parts list, title page, and a 3D drawing. Discussion will consist of advanced drafting problems. Multimedia assignments will be done over CAD topics

Engineering Technology

Grade(s): 9-12

Prerequisite: none

Course Length: 18 weeks 47 min

Credit Hours: 5

No Fees

Maximum of 16 students

Engineering Technology is designed to cover the four areas of technology (communication, construction, manufacturing and transportation). Students will learn basic concepts through lectures, notes, videos, field trips, and hands on experience. In construction we will cover different structures and then design a model bridge. In manufacturing we will take field trips of various industries around the area. The principles of hydraulics, pneumatics, robotics, and quality control will also be covered. In Transportation we will cover the principles of rocketry and build a model rocket, CDL, GVWR, learn about energy, and aerodynamics and design and build a CO2 car. Multimedia assignments will be done over engineering topics

Electricity/Electronics

Grade(s): 9-12

Prerequisite: none

Course Length: 18 weeks 47 min

Credit Hours: 5

1 credit hour through CCC

No Fees

Maximum of 16 students

Electricity/Electronics is designed to give the students the basic understanding of electricity/electronics. Students will learn concepts through lectures, note, videos, internet and hands on experience. Students will learn math equations and concepts associated with electricity.

Students will design and build a series, parallel circuits, circuit boards, and a motor. They will learn parts of electronic equipment. They will also learn how to wire a house and parts of residential wiring. Multimedia assignments will be done over electricity topics.

MATHEMATICS

The following is the recommended sequence of math classes: Pre-Algebra, Algebra I, Geometry, Standards Math or Algebra II

Pre-Algebra

Grades: 9

Prerequisites: Teacher Recommendation

Course Length: 36 weeks

Credit Hours: 10

This class will teach the fundamentals of Pre-Algebra and will help prepare for Algebra I.

Algebra I

Grade(s): 9-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

This course is offered to those students with a good command of junior high mathematics. Topics covered include: the language of algebra, algebraic properties, adding, subtracting, multiplying and dividing integers, inequalities, polynomials, factoring, fractions, and applications of fractions. Students will be evaluated by grades from daily homework assignments, quizzes, and chapter tests.

Geometry

Grade(s): 9-12

Prerequisite(s): Algebra I

Course Length: 36 weeks

Credit Hours: 10

Euclidean geometry is presented as a formal system of mathematics. This system includes the proof of theorems by use of axioms, definitions, and other theorems; using logical reasoning as a basis in all work. Topics covered include parallel lines, congruent triangles, polygons, quadrilaterals, similar triangles, circles, area, coordinate geometry, locus and inequalities. Students will be evaluated by grades from daily homework assignments, quizzes, and chapter tests.

Algebra II

Grade(s): 10-12

Prerequisite(s): Algebra I & Geometry

Course Length: 36 weeks

Credit Hours: 10

This course is offered to those students who successfully completed Algebra I and Geometry. The course includes a review of Algebra I and extends the study of topics from that course. Topics covered include: equations and inequalities, linear relations and functions, systems of equations, polynomials, roots, quadratic equations, quadratic relations and functions, conics, polynomial functions, rational polynomial expressions, exponents, exponential functions, and an introduction to trigonometry.

Standards Math

Grade: 11

Prerequisite(s): Algebra I, Geometry, Teacher Recommendation

Course Length: 36

Credit Hours: 10

This class is for juniors who are not currently taking or have not successfully completed Algebra II. **A student should either take or taken Algebra II or Standards Math before they finish their junior year.** The class will be related to the Nebraska Math Standards and the State Assessments that all juniors must take before they become seniors. The topics in this class are similar to those covered in Algebra I, Geometry, Algebra II, with some Trigonometry, and Statistics as well. **Students must have a recommendation from a Math teacher to take this course.**

Pre-Calculus

Grade(s): 11-12

Prerequisite(s): Algebra I & II/Geometry; an average of C or higher in Algebra II or teacher recommendation

Course Length: 36 weeks

Credit Hours: 10

This course is offered to those students who successfully completed Algebra I, Geometry, and Algebra II. The course includes a study of Trigonometry: trig right and oblique triangles, graphs of trig equations, identities, solutions to trig equations, functions of two angles, and inverse trig relations. Additional topics covered are sequence and series, probability, higher degree equations, functions, and exponential equations.

Calculus

Grade(s): 11-12

Prerequisite(s): Pre-Calculus with an average of C or higher

Course Length: 36 weeks

Credit Hours: 10

This course is intended for students who have a thorough knowledge of college preparatory mathematics, including algebra, geometry, algebra II, trigonometry and pre-calculus. The course covers such concepts as algebraic, trigonometric, exponential, and logarithmic functions, limits, continuity, derivatives and applications of derivatives, integration and applications of integration. (TI-81 or TI-85 calculators are not mandatory, but would be beneficial to use as problem solving tools.)

PHYSICAL EDUCATION

Physical Education 9

Grade(s): 9

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

Grading: Pass/ Fail

Ninth grade Physical Education class will meet daily. Each week students will spend time in the gym and in the weight room. In this PE class, students will improve their cardiovascular fitness by completing aerobic and anaerobic training daily and by participating in games. Students will build and expand upon previously learned skills and will be introduced to new skills. These skills will be applied to games. Some of the units taught in this course include: ultimate Frisbee, football, volleyball, eclipse ball, hockey, basketball, soccer racquet sports, and weight training. Students will learn the rules of each game improve their skills, learn how to work as a team and practice good sportsmanship. In additions students will focus on offensive an defensive strategies during these games. Students will be evaluated on their participation, skill improvement, and through written tests. Other information that is covered in this course includes muscle identification, developing a personal fitness plan, sexual harassment and dating relationships.

Lifetime Activities

Grade(s): 10-12

Prerequisite: Physical Education 9

Course Length: 36 weeks

Credit Hours: 10

The course provides students the opportunity to participate in lifelong fitness activities, as well as individual and dual sports. The course will provide information relative to the health related components of fitness. The variety of activities allows for each student the opportunity to develop appreciation, enjoyment, and success of physical fitness. Activities will include but not limited to strength training, aerobic activities, volleyball, personal fitness, Jogging, power walking, tennis, pickle ball, badminton, basketball, flag football, golf and bowling..

Weight Lifting

Grade(s): 9-12

Prerequisite: None

Course Length: 18 or 36 weeks

Credit Hours: 5 or 10

This class is designed to offer students, both male and female, opportunities to learn about weight training programs, the basics of weightlifting and to encourage development of individual training programs. Students will engage in general body-conditioning activities to strengthen muscles and build endurance. Evaluation may be based on participation, cooperation, and oral and written assignments and/or tests.

Personal Fitness Planning

Grade(s): 10-12

Prerequisite: 9th PE

Course Length: 36 weeks

Credit Hours: 10

CLASS DESCRIPTION: Students will spend time in the classroom, weight room, gym, and track. Students will learn about cardiovascular training, muscular strength and endurance training, weight lifting techniques, agility training, flexibility training, muscle identification, nutrition, fitness testing, and goal setting. Students will apply this knowledge to developing personalized fitness programs for themselves and for others.

SCIENCE

Physical Science

Grade(s): 9-10

Course Length: 36 weeks

Credit Hours: 10

Fee: Replacement cost for lab breakage

Physical Science is a course designed to acquaint the student with basic principles in the structure, patterns, and behavior of matter and energy. Students will be given the opportunity to develop skills in working with the International System of Measurements. Major topics to be investigated are: physics – motion, light and sound, energy; and chemistry – properties of matter and the Periodic Table, acids, bases, salts; basic chemical reactions. This is a lab science class that illustrates basic concepts of physics and chemistry. This is a required course.

Forensic Science

Grades: 11-12

Prerequisites: Physical Science and Chemistry I

Course Length: 36 weeks

Credit Hours: 10

Forensic Science is the study of evidence left behind at a crime scene. In forensic science class, the student will learn how scientists use their knowledge and skills to unlock the truth about a crime hidden in the evidence. Students will be taught how to properly analyze data, make interpretations, and perform proper experiments by collecting and examining evidence. Topics covered in the class include: the crime scene, physical evidence, physical properties: glass and soil, organic analysis, inorganic analysis, serology, trace evidence, DNA analysis, forensic toxicology, and forensics in the future. The goal of this class is to make science relevant and pertinent to the interests and goals of the student. This class is a presentation of the techniques, skills, and limitations of the modern crime laboratory for a student who has no background in forensic sciences. The nature of physical evidence is emphasized along with the limitations that technology and knowledge impose on its individualization and characterization. A major portion of this class centers on discussions of the common items of physical evidence encountered at crime scenes. This is an upper level science class that has students expand on their previous scientific knowledge in order to explain and predict how certain evidence can be used to uncover the truth.

Environmental Science

Grade(s): 9-11

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

Fee: Replacement cost of lab breakage.

A science course designed to expose students to concepts of ecology, population and community interactions as well as the effects of human intervention on the environment. This is a required course.

Course should be completed by the end of grade 11.

Biology I

Grade(s): 9-11

Prerequisite(s): Physical Science recommended

Course Length: 36 weeks

Credit Hours: 10

Fee: Replacement cost for lab breakage

Biology is the study of living things. In biology, the student will become familiar with different forms of life including detailed study of microscopic organisms, animals, plants, and their corresponding structure. The student will also become familiar with a detailed study of plant and animal cells. Among the topics presented are those about protozoan, bacteria, and disease, cells, zoology, botany and genetics. This is a required course. **Course should be completed by the end of grade 11.**

Biology II

Grade(s): 10-12

Prerequisite(s): Biology I with a "C" or better

Course Length: 36 weeks

Credit Hours: 10

Fee: Replacement cost for lab breakage

Physiology is the study of the human body, its structure and function. The student will become familiar with the major body systems such as the tissues, nervous, digestive, respiratory, circulatory and reproductive, plus a detailed study of the eyes, ears, cells, and other body features.

Chemistry I

Grade(s): 10-12

Prerequisite(s): Grade 10 must have B in Algebra I & permission of instructor, Grades 11-12 must have a B- in Algebra I, Physical Science

Course Length: 36 weeks

Credit Hours: 10

Fee: Replacement cost of lab breakage.

A two-term laboratory science designed for students interested in a science-related career or college bound students. Students will gather facts and data through chemical investigations and arrange and organize this data into meaningful patterns, which lead to an understanding of chemical equations, periodic table, atomic structure, acids, bases, and periodic law.

Chemistry II

Grade(s): 11-12

Prerequisite(s): Chemistry I with a grade of C+ or better, Algebra II with a B- or better

Course Length: 36 weeks

Credit Hours: 10

Fee: Replacement cost of lab breakage

This is a course in which chemical concepts are applied to everyday experiences. Topics include organic chemistry, food chemistry, forensic chemistry, sports chemistry, nuclear chemistry and environmental chemistry.

Physics

Grade(s): 11-12

Prerequisite(s): Algebra I & II, B or better, Physical Science

Course Length: 36 weeks

Credit Hours: 10

This course is designed to give students an understanding of the way scientists work and use advanced knowledge. Topics covered are Newtonian mechanics, universal gravitation, heat, and waves. Students will be expected to complete multiple projects that will utilize scientific and logical thinking.

SOCIAL SCIENCE

American History

Grade(s): 9-11

Prerequisite(s): American History 8

Course Length: 36 weeks

Credit Hours: 10

This course is designed to give students knowledge and encourage understanding of American History Civil War – Wars in the Middle East. The students will study Reconstruction, Industrialization, Imperialism, as well as both World Wars, wars in Asia, and all of the cultural changes to American society in between. We will primarily conduct class through written activities, primary source documents, videos, various projects, as well as discussion and lecture. Evaluation will be based on tests and quizzes.

Geography

Grade(s): 9-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

During the first term, students will devote three weeks to map study and map study skills. Students will use a basic textbook and atlas along with various kinds of map projections and outline maps to find places on the earth's surface. Determining longitude and latitude and distance on a map will also be emphasized. The remaining weeks will be devoted to the study of the continents and their countries. Students will be required to use their map skills to locate political and geographical features on the outline maps. Atlas usage and map identification will be stressed. The five themes of geography will be emphasized in each region of the world (location, place, human-environment interaction, movement, and region). Regions of the world to be analyzed throughout the remainder of the course will be North America, Latin America, Europe, SW Asia, Asia, and Australia. Similar skills, assignments, and research as described above will be used the duration of the semester.

World History

Grade(s): 9-12

Prerequisite(s): None

Course Length: 36 weeks

Credit Hours: 10

The course will cover World History, primarily focusing on the development of Europe, from Medieval Europe through the present. Areas of focus will be on European and Middle Eastern History. We will also focus on the role that religion, imperialism and politics played in the formation of the world we see today. This course will be conducted through lecture and discussion, written activities, videos and projects. Evaluation will be based on tests and quizzes.

Government

Grade(s): 11-12

Prerequisite(s): American History or with instructor's permission

Course Length: 36 weeks

Credit Hours: 10

This class is designed to give students an overview of how our governments work. Why did we choose our system over other systems? How do the three branches work and how do they work together? What influence has the formation of political parties played in transforming our government? What rights do we have as individuals? We will try to answer all of these questions and more. The class also incorporates information on our State and local governments: how they work and how we can influence them. This course will be conducted through lecture and discussion, written activities, videos and projects. We will discuss current events throughout the year. Evaluation is based on tests and quizzes.

Modern History

Prerequisites: American History

Course Length: 36 weeks

Credit Hours:

In Modern History, we will look at American and some world history after WWII. We will look at the decades and the culture that surrounds the historical events. We will also spend some time talking about current events and their impact in our lives. Assessing this course will be done through projects, worksheets, reading lectures, and various other activities to incorporate the social aspect of the historical events.

Sociology

Grade(s): 10-12

Prerequisite(s): None

Course Length: 18 weeks

Credit Hours: 5

The course will be based upon the study of how people interact in society with other people. The course will look at groups, social problems and social institutions. The course will also deal with such topics as crime, juvenile delinquency, poverty and the poor, drugs, civil rights and religions.

Psychology

Grade(s): 10-12

Prerequisite(s): None

Course Length: 18 weeks

Credit Hours: 5

The course covers the following main areas: The science and history of psychology and its application to everyday life, the principles of learning and how to learn efficiently, memory, research methods, the biology of behavior and psychology as a helping profession.

Fillmore Central High School

Dear Student and Parent/Guardian:

This handbook is to provide parents and students an opportunity to become better acquainted with the courses offered at Fillmore Central High School. We hope you find this helpful in making wise decisions regarding your student's educational plans for their future. Parents and students, please take the time to work with each other to develop a sound curriculum plan that best suits your child's educational needs.

The courses and required prerequisites are described in the 2014-2015 Planning Handbook. Please read carefully and take note of the requirements that must be met to graduate. Students are encouraged to discuss their educational objectives and plans with their parents/guardians, instructors, Ms. Betts and/or Mr. Rose.

A schedule will be available in August when students sign up for lockers.

If you have any questions concerning registration, please contact us by visiting school, or calling the school office at 759-3141.

Sincerely,

Jim Rose
Principal

Denise Betts
Counselor

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