

SPOON RIVER VALLEY HIGH SCHOOL

# Course Guide

2017-2018





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This registration catalog is designed to aid students and parents as they make critical decisions about course selection during the high school years. Academic decisions made now have a huge impact on the student's specific preparation for "life after high school". All students will meet with Mrs. Wills for assistance in the registration process.

Several things need to be kept in mind as you go through the registration process. 1). All classes listed in this registration guide are offered every year except where noted. Every attempt will be made to honor each student's class request. However, the minimal number of students enrolling for a class is around five. Anything less than that makes it extremely difficult to schedule a class. 2). We build the schedule based on the number of students requesting classes, and dropping or changing a class might cause them to be either over the maximum number of students for a class or drop the number of students in a class below the number of students needed to hold the class. To correctly plan, we must know who wants to take specific classes this spring and plan accordingly. To this end, we will not allow wholesale schedule changes in the fall. Please plan carefully and select the courses that you want and need to take to graduate on time. The only exception to this will be for students who have failed a required class after having completed the registration process. 3). No matter how carefully we plan, there will always be some students who find that two or more classes that they want to take are mutually exclusive, resulting in a scheduling conflict that cannot be resolved. Students should always choose two or three alternative choices.

All students currently in grades 9 - 12 have a "Graduation Requirement Sheet" on file in the counselor's office. This sheet is updated at the end of each semester so we can quickly determine if a student is "on track" for graduation. Students need the following total number of credits to graduate:

2012-2013 Freshmen (and beyond)      26 Credits

The following scale has been created to determine the grade level of Valley students. 0 - 6.0 Credits = Freshman standing & Homeroom

6.5 - 12.5 Credits = Sophomore standing & Homeroom

13.0 - 19.0 Credits = Junior standing & Homeroom

19.5 - Up Credits = Senior standing & Homeroom

Any student who has fewer credits than necessary to have their classification raised at the end of a school year will remain at their current classification for an additional semester. (example - a student who has completed a year of high school but has less than 6.0 credits would still be classified as a Freshman the next fall and would remain in a Freshman homeroom until 6.0 credits are earned.)

Specifically, all students must have passed:

4 credits of English

1/2 credit Speech

## GRADUATION REQUIREMENTS

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3 credits of Mathematics

2 credits of Science

3 credits of Social Studies. 1 MUST be American History, 1/2 MUST be American Government and 1 MUST be Geography, World Cultures or World History,. The remaining credits can be a combination of any of the following courses: Geography, World Cultures, World History, or Western Civilization

3 1/2 credits of P.E.

1/2 credit of Health Education

1/2 credit of Consumer Education

1/4 credit of Drivers Education Classroom

1 credit of either Art, Music, Foreign Language or Vocational

The student must then earn enough credits through passing additional courses to reach the required graduation total.

## University/College Recommended Course of Study

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### "Upper Level" University/College Entrance Requirements

Most "upper level universities/colleges have minimum requirements for acceptance. Although some universities have less stringent entrance requirements, meeting these requirements would put you in good shape. As always, if in doubt, contact the university that you want to attend at least two (2) years in advance of graduation to make sure that you have all of the classes you need to be admitted.

4 credits of English (including college prep the senior year)

3 credits of social studies

3 to 3 1/2 credits of mathematics (through Algebra II including  
Geometry)

3 credits of lab science

2 credits of foreign language/occupational/fine arts

2 credits of other electives

### **INTRODUCTION TO AGRICULTURE SCIENCES - AG101**

Prerequisite: None

This introductory course provides an opportunity for students to learn how the agriculture industry is organized; its major components and the job opportunities

## Agriculture

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associated with the agricultural field. Both agribusiness and production applications are presented. Basic concepts in personal development and leadership through FFA, parliamentary procedure, budgeting and financial records, along with an introduction to animal science, plant science, soil science, horticulture, agricultural resources, agribusiness management and agricultural mechanics are included. Microcomputer applications are introduced.

First year students in agriculture study basic plan, soil, and animal science and practical shop skills in carpentry, FFA record books, and related experience programs will be part of the course work. Lab Fee.

### **ADVANCED AGRICULTURAL SCIENCES - AG201**

Prerequisite: Introduction to Agricultural Sciences

This second-year course builds on the basic skills and knowledge gained from the introductory course. Major units of instruction include advanced plant and soil science, advanced animal science and agricultural mechanics skills necessary for maintaining and repairing equipment and/or facilities. Applied math/science skills are stressed throughout the course. Microcomputer applications are utilized as they relate to each instructional unit. FFA record books and a supervised agriculture experience program are required. Lab Fee.

### **BASIC HORTICULTURE SCIENCE - AG**

Prerequisite: Introduction to Agricultural Sciences

This course is designed to introduce students to the horticulture industry and provide them with basic plant science knowledge that can be further developed in advanced horticulture courses. Major units of instruction include horticulture research, horticultural careers, plant anatomy, seed germination, plant propagation, growing media, pest management, hydroponics, identifying horticultural plants, growing greenhouse crops, and floral design. Improving computer and workplace skills will be a focus. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

### **AGRIBUSINESS TECHNOLOGY (AG MECHANICS) - AG302 (offered alternate years)**

Prerequisite: Advanced Agricultural Sciences.

This course is designed to develop student knowledge and skills in the area of agribusiness operations. Instructional units include the organization and functions of agricultural businesses, agricultural business math, agricultural business procedures including microcomputer applications and human relations skills, as well as sales-related duties. Another goal of this course is to increase student knowledge and skills in appropriate agricultural product and service areas

## Agriculture (Continued)

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indicated by regional and/or state labor market data. S.A.E.P. I is a program for students receiving vocational credit. Students receiving credit (S.A.E.P.) must be enrolled in an approved project or acceptable plans for doing so. Supervised study, project record book work, training plans and agreements, report writing, and instructor project visitation and supervision are essentials of the supervised agricultural experience.

### **BIOLOGICAL SCIENCE APPLICATIONS IN AGRICULTURE**

Prerequisite: Introduction to Agriculture and Biology

This course is designed to reinforce and extend students' understanding of science by associating basic scientific principles and concepts with relevant applications in agriculture. Students will examine major phases of plant growth and management in agriculture and the specific biological science concepts that govern management decisions, as well as examine many phases of animal agriculture and specific biological science concepts that govern managing decisions in the animal industry. Some sample topics include: agriculture research methodology, growth and development of animals (embryology, ethnology, nutrition, and immunity systems), processing animal products (preservation, fermentation and pasteurization). Students will maintain an SAEP and be encouraged to be a member of the FFA organization. BSAA meets lab science entrance requirements to Illinois universities.

### **HORTICULTURE TECHNOLOGY - AG303**

Prerequisite: Advanced Agricultural Sciences

In ornamental horticulture you will have the opportunity to learn basic skills in the various field of horticulture. Emphasis will be placed on the propagating of plants, transplanting, cuttings, grafting, growing of garden crops, bulbs, plants, and flowers. Included will be experience in potting plants with proper soil medias, fertilizing, and watering. Turf growing and maintenance will include types of grasses, fertilizing, mowing, removing weeds, watering and other things that are needed for a good appearing lawn. You will have an opportunity to learn how to prune and trim shade trees and shrubs along with proper fertilizing and watering techniques. A brief introduction will be included in areas of landscape management and floral design. A class portfolio and or SAEP record book are required. Note: Students can take this course for 1 or 2 semesters.

### **CONSERVATION AND AGRICULTURAL RESOURCE TECHNOLOGY**

Perquisite: Advanced Agricultural Sciences or Instructor consent



## Agriculture (Continued)

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This course focuses on the use and conservation of agricultural resources. Areas of concentration include identifying tree species and understanding forest ecology; managing the forest and marketing forest products; hunter safety education, identifying important wildlife species and their environmental preferences; protecting the urban and rural environments; songbird and game bird unit, weather unit, determining land capacity and planning for its use; exploring opportunities for establishing a recreational business; and computer usage in class. Note: Students can take this course for 1 or 2 semesters. A class portfolio and/or SAEP record book are required.

### **AGRIBUSINESS MANAGEMENT**

This capstone course is designed to develop students' skills in areas of advanced agricultural business procedures, establishment of agricultural businesses, managing the agribusiness, marketing and advertising, sales techniques and strategies. Product knowledge is stressed as it relates to the regional agricultural economic base.

This course is intended for students, who are concerned with farm and land management. Agricultural economics, commodity marketing and methods of farm accounting and record keeping are stressed. Sources of up-to-date information are studied and considered. Crop and livestock rotation procedures as well as thorough study of land use, are a part of this course. Purchasing of farm materials, marketing trends, products and basic skills in agribusiness are covered. Final exams are required. Note: Course is offered on alternate years. A class portfolio and/or SAEP record book are required.

### **AGRICULTURE LEADERSHIP TECHNOLOGY AND CONSERVATION (independent study and can only be taken once in High School)**

Prerequisite: Introduction to Agriculture

Students will analyze current agricultural issues, determine how they affect people on all sides of the issue and enhance their written and oral communication skills by presenting their views and opinions to the class through debates, speeches, and interviews in order to be effective leaders in today's society. Students will gain the knowledge and leadership experiences to help them to become successful in life and in the workplace; thus, enhancing their potential for leadership development, personal growth, and career success. Participation in FFA student organization activities and Supervised Agricultural Experience (SAE) projects is an integral course component for leadership development, career exploration and reinforcement of academic concepts.

## Agriculture (Continued)

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### **ART I**

Prerequisite: None

Art I is a general survey class which gives the student a basic background in 2-D and 3-D design. The first semester exclusively deals with two-dimensional problems and an introduction to a variety of drawing media. The second semester is three-dimensional design and gives the students the fundamentals of pottery and sculpture. Homework is assigned throughout the year as practice of skills. Students will participate in the district's Spring Art Show.

Each class is aimed toward the abilities of the individual student. Any of the four levels of Art can fulfill the current college entrance requirements for humanities.

This course addresses the following state standards: 25A and 25B.

### **ART II**

Prerequisite: Art I

Art II is a more concentrated introduction to drawing, painting, and three-dimensional media. The emphasis is on increasing skills and gaining more of an understanding about the nature of art. The student will deal with basic art theories and art history. Homework is assigned throughout the year as practice of skills. Students will participate in the district's Spring Art Show and will have the opportunity to participate in outside Art Shows.

This course addresses the following state standards: 25A and 25B.

### **Art III**

This course addresses the following state standards: 25A and 25B.

### **Art IV (This course is a weighted course.)**

Prerequisite: Successful completion of Art I, Art II, and Art III; a minimum of a B- grade average in the previous Art level and the consent of the instructor

Art III and IV are for the SERIOUS art student only. It is an in depth study of types and styles of art. The student will work independently of other students and is expected to do research into areas of individual interest each quarter. The students also work on developing critical thinking skills in evaluation of their work and in aesthetics of art overall. Students will participate in the district's Spring Art Show and other outside Art Shows.

This course addresses the following state standards: 25A and 25B.

### **ART INDEPENDENT STUDY I**

### **ART INDEPENDENT STUDY II**

Prerequisite: Successful completion of Art I and Art II, a minimum of a B- grade average in the previous Art level and the consent of the instructor

## Art

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Art Independent Study I & II is a similar curriculum as Art III & IV, but is for the student who due to scheduling constraints cannot fit into the regular time slot. Independent Study is also for the advanced Art student who wants additional study time in a different avenue than what they are working on in Art III or Art IV. Independent Study is for the advanced Art student ONLY with the above prerequisites for Art III & IV.

### **PORTFOLIO PREPARATION AND ADVANCED TECHNIQUES**

Prerequisite: Successful completion of Art I and Art II, concurrent enrollment in Art III or Art IV, a minimum of a B- grade average in the previous Art level and the consent of the instructor.

**Portfolio Preparation is for the student who plans on continuing in Art at the college level or in an Art school setting. The emphasis of these classes will be determined by the needs of the individual student to present a complete two dimensional and three dimensional portfolio. Work may be done in sculpture, ceramics, jewelry, weaving, printmaking, drawing or painting. Additional time will be spent on techniques of presentation. We will also explore schools appropriate to the student's interests and how to be accepted.**

### **PHOTOTGRAPHY**

Prerequisite: Art I

This year-long course will address 35mm film, click and shoot digital as well as SLR (single-lens reflex) photography. The course will cover how photography works, the history and mechanics of the camera, differences between snap-shot and photography. The course will cover problem solving in an increasingly visual world, composition, critical thinking and presentation as well as digital manipulation of images through Photoshop. The ethical use and decision making to create more responsible consumers will be stressed.

Second semester Photography will build upon material and equipment covered in first semester. The photographers will be using 35mm film and digital cameras. The class will explore advanced concepts such as portraits, action shots, lighting effects, and story telling. The students will approach manipulation of images in a responsible but creative manner.

The student will be responsible for the choosing, developing, and presentation of a final product as well as working with the Yearbook advisor/staff on special project assignments.

## Art (Continued)

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### **COMPUTER CONCEPTS I B220**

Prerequisite: None

This course will help develop student's awareness and understanding of the application of personal computer concepts, software and equipment to accomplish tasks typically performed by employees in the business, marketing or management occupation. Instruction focuses specifically on the hands-on use of software packages that form a core used by any person employed in those areas: word processing, financial spreadsheets, electronic presentations and graphics. Students will also learn about the history of the computer, basic webpage design skills and computer terminology of various computer systems. Ethical situations with computers in business will also be discussed. Access to the Internet will be available to the students for research.

This course addresses the following NBEA Business Education Standards:  
Accounting II; Communications I, II, III; Computation I, II, VI;  
Informational Technology I, VI, VII, VIII; Management VIII

### **COMPUTER CONCEPTS II B223**

Prerequisite: Successful completion of Computer Concepts I

This course will help the gain student gain advanced computer skills that will help them succeed in a business, marketing or management occupation. Instruction will focus on hands-on use of the software packages learned in computer Concepts I, as well as use of additional software packages that are used by any person employed in business: databases, web page design and desktop publishing. Students will use the Internet for research, including research of different computer related careers and their educational requirements. Students will complete job searches, identify a specific area of interest and prepare a report. This class is responsible for designing web pages for the school website and working to increase the school's presence on the World Wide Web.

This course addresses the following NBEA Business Education Standards:  
Communications I, II, III; Computation I, II, VI; Informational  
Technology I, VI, VII, VIII, IX, X; Management VII

## Art (Continued)

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### **INTRODUCTION TO BUSINESS - B101**

Prerequisite: None

Students will be introduced to the workings of the business and economy of the United States and other industrial countries. During the duration of the course, the students will learn many aspects of business: technology, economy, marketing mix and legal business principles. The goal of this course is to give the students a basic working knowledge of terms associated with business and create a desire to further pursue those topics by selecting related course studies and careers.

Student interaction will include: the organization and use of financial data; applying production data for decision making; creating written business communications; oral presentations; and team decision making.

This course addresses the following NBEA Business Education Standards:  
Business Law II, IV, VI; Career Development I; Communication I, II, III;  
Computation I, II, VI; Economics I, II, III, IV, V, VI, VII, VIII, IX;  
Personal Finance I, V; Entrepreneurship I, VII, VIII;  
Informational Technology I, VI, VII; International Business II, VI;  
Management I, II, III, V, VIII; Marketing I

### **ACCOUNTING I - B310**

Prerequisite: Jr./Sr. standing

Accounting I is a skill level course that is of value to all students pursuing a strong background in business marketing and management. Accounting I is designed to learn the rules and procedures of accounting for profit-motivated businesses. Instruction includes information on the use of the accounting principles and procedures that are applied to accounting records; an appreciation of the importance of profit in helping to ensure continued business operations; and knowledge of the three major types of business organizations and how accounting procedures differ for the three. In addition to stressing basic fundamentals and terminology, preparation of financial records and reports and career opportunities in the accounting field are also reinforced. Mini practice sets that cover the material students have studied are included in the text and completed by students. Practice sets with business papers may be used to simulate actual business records management.

## Business

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### **ACCOUNTING II - B430**

Prerequisite: Successful completion of Accounting I and consent of the instructor.

Accounting II is for the student who is planning to enter the business field after graduation or continuing their education in business at the jr. college or university level. Instruction includes information on the use of basic and advanced accounting principles and procedures that are applied to accounting records; use of common techniques to analyze and interpret financial statements; and knowledge of the differences in accounting for the three types of business organizations. Mini practice sets that cover material students have studied will be completed. A Simulation (Practice Set) with business papers maybe used to simulate actual business records management.

### **YEARBOOK INDEPENDENT STUDY**

Prerequisite: 2 years on yearbook staff and consent of instructor. (limited enrollment)

This class is responsible for producing yearbook pages using desktop publishing. Students will also be responsible for various duties related to the production of the yearbook.

### **CONSUMER EDUCATION (1 semester)**

Consumer Education is established to provide the fundamentals for study into the workings of the business and economy of the United States. Students will study consumer issues, concepts and ideas. These will include opportunity cost, the laws of supply and demand, the international (global) economy, the American economy as a mixed free enterprise system, other industrialized nations and their economic systems, roles of government, businesses, agriculture, trade unions and the private citizen/consumer in the economy. The roles of the consumer will focus on money management such as budgeting, saving, spending, investing, credit, and determining opportunity and unit costs.

This course addresses the following NBEA Business Education Standards:

Accounting II, III; Business Law II; Career Development II;  
Communication I, II, III; Computation I, II, VI; Economics I, II, III, V, IX;  
Personal Finance I, II, III, V, VI, VII, VIII; Informational Technology I, VI;  
Management V; Marketing I, II, III

## Business (Continued)

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### **ENGLISH SKILL BUILDER**

Students identified as lacking skills in understanding literature will be placed in this class. Basic Literature is a study of various types of literature and understanding the literature the student reads. The types of literature will include short stories, essays, drama and novels. Students will be exposed to the Reading Plus computer program to help enhance their skills in understanding literature. Successful completion of this course will give the student elective credit and will NOT count toward fulfilling the English graduation requirement. This course will be taken in conjunction with English I.

### **ENGLISH I**

English I is a continued study of the basic elements of the short story, the novel, nonfiction, poetry, and drama. Major works studied are THE OLD MAN AND THE SEA, ROMEO AND JULIET and A SEPARATE PEACE. Further work in composition, grammar, and usage are included as well as regular vocabulary work. Research methods are introduced to the students during the second semester, culminating with a short paper. This course must be taken as part of the graduation requirements of the school.

This course addresses the following state standards: 1A, 1B, 1C, 2A, 2B, 3A, 3B, 3C, 4A, 4B, 5A, 5B, and 5C.

### **ENGLISH II**

English II is continued genre approach to world literature. The major works studied are The Tragedy of Julius Caesar, To Kill A Mockingbird, and The Pearl. The King Arthur unit is included. There is further study in grammar, usage and composition. A research project will be introduced during the second semester. This course must be taken as part of the graduation requirements of the school.

This course addresses the following state standards: 1A, 1B, 1C, 2A, 2B, 3A, 3B, 3C, 4A, 4B, 5A, 5B, and 5C.

### **ENGLISH III College Prep**

English III is centered around a study of American literature. The first semester is a historical approach from the colonial period to the modern age. The

second semester is a genre approach to modern American Literature and includes further study in the short story, poetry, the novel and drama. In the area of composition the emphasis is on exposition, persuasion and critical analysis. A major project is the research paper which is done during the second semester. There is further study in grammar and usage. This course fulfills state requirements for the writing intensive English course.

This course addresses the following state standards: 1A, 1B, 1C, 2A, 2B, 3A, 3B, 3C, 4A, 4B, 5A, 5B, and 5C.

### **ENGLISH III**

This English course is designed for those students planning to attend community

## Business (Continued)

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college/vocational/trade schools after high school graduation. Literature instruction will continue with emphasis on comprehension building techniques. The course will continue to develop grammar and editing skills while fostering research and analytical writing techniques. This course fulfills the state requirement for the writing intensive English course.

This course addresses the following state standards: 1A, 1B, 1C, 2A, 2B, 3A, 3B, 3C, 4A, 4B, 5A, 5B, and 5C.

### ENGLISH IV

This class will be a continuation of the current English program; however, literature will be a collection of works from various cultures rather than a concentration in one area of study. It will concentrate on grammar usage and vocational writing skills. This course includes an APA style research paper. The major works studied is Spoon River Anthology.

This course addresses the following state standards: 1A, 1B, 1C, 2A, 2B, 3A, 3B, 3C, 4A, 4B, 5A, 5B, and 5C.

**\*DUAL CREDIT OPTIONS IN ENGLISH INCLUDE COMP101 AND COMP 102. PLEASE SEE DUAL CREDIT INFORMATION ON PAGE 26.**

### **SPEECH (1 Semester)**

Prerequisite: Junior or Senior Standing

This semester course is designed to improve the communication skills of its students. Students will be introduced to communication techniques through formal and informal speeches and various forms of dramatic literature. Students will be required to participate in class activities ranging from writing speeches to giving presentations geared toward a specific audience. Students will be exposed to persuasive, informative, special occasion speeches as well as speeches using visual aids.

**\*DUAL CREDIT SPEECH IS AVAILABLE. PLEASE SEE PAGE 26.**

### **NOVELS (1 Semester)**

Novels is a semester class designed for juniors and seniors who enjoy reading. Students will read various novels and will try to find common themes, characters and conflicts. Throughout this course, students will work together in groups for various presentations to the class.

**Novels is an elective class and does not take the place of a semester of English.**

### **CREATIVE WRITING (1 Semester)**

This elective course will address the needs of a wide range of student writing abilities and interests. Students will write a variety of modes, including short fiction, poetry, personal essays, character sketches, drama and memoirs. Special attention will be given to improving student writing through effective dialogue, description, imagery, and allusion. In addition, students will expand their audience by submitting their works to be read and evaluated by the entire class.



## English

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This course is designed as an introduction to imaginative writing.

**Creative Writing is an elective class and does not take the place of a semester of English. This course may be repeated with the consent of the instructor.**

### **DRAMA (1 Semester)**

This semester long literature based course is designed to offer students an introduction to various aspects of drama. It will include basic acting principles, basic vocal production, pantomime, improvisation, reader's theater, film study, play analysis and interpretation, and a basic introduction to play production. Students will perform creatively from monologues, scene studies, and on-act plays.

**Drama is an elective class and does not take the place of a semester of English.**

## English (Continued)

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### **SPANISH I (This course is taught online.)**

Prerequisite: None

This course will use the Bravo 1 textbook and workbook. It will revolve around language used in practical settings. Vocabulary usage will include greetings, describing people and things, family, activities, weather, counting, foods, likes and dislikes etc. The grammar will primarily include noun and adjective agreement, regular and irregular verbs in the present tense and simple sentence structures.

### **SPANISH II (This course is taught online.)**

Prerequisite: Successful completion of Spanish I

This course will continue with the Bravo 2 textbook and workbook. The first two units will be a review of the material learned in Spanish I. Vocabulary usage will include and expand on vocabulary learned in Spanish I. Nouns and adjective agreement, the present tense of regular and irregular verbs and sentence structures will be reviewed and expanded. New tense will primarily include the preterite and imperfect past tenses.

### **SPANISH III (This is a weighted course.)**

### **SPANISH IV (This is a weighted course.)**

**Due to the shortage of Foreign Language instructors in the state of Illinois, if a suitable instructor can not be found, these courses will be offered through alternative delivery which may include online, distance learning or other delivery method as found appropriate.**

## English (Continued)

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### TECHNOLOGY I - I100

Prerequisite: None

This course consists of four components; Production Technology, Transportation Technology, Communication Technology and Energy Utilization Technology. Each of the four components will be covered during the year. The course will be structured as follows:

Production Technology will provide students with an understanding of manufacturing and construction technology. The instructor, through a variety of learning activities, will expose students to a wide variety of career opportunities in the production field. These experiences will include manufacturing product design, materials and processes, tools and equipment, including computers, safety procedures, corporate structure, management, research and development, production planning, mass productions marketing and servicing. In construction, students will be exposed to site utilities, and finishing and servicing structures.

Transportation Technology will provide students with an understanding of transportation customs that are found in our mobile society. The instructor, through a variety of learning activities, will expose students to a wide variety of technologies and career opportunities involved in material handling, atmospheric and space transportation, marine transportation, terrestrial transportation and computer uses in transportation technology.

Communication Technology will provide students with an awareness and basic understanding of the technologies used to communicate in our society. The instructor, through a variety of learning activities, will expose students to design and drafting technologies, radio and television broadcasting, use of computer in communication, photography, graphic arts, and telecommunications.

Energy Utilization Technology will provide students with an awareness and understanding of how we use energy in our industrial technological society. The instructor, through a variety of learning activities, will expose students to areas of study which include conversion of energy, electrical, solar energy resources, alternate energy resources such as wind, water, and geothermal, fossil fuels, nuclear power, energy conservation, and computer uses in energy technology.

Students will be responsible for providing wood for their classroom projects.

This course addresses the following state standards: 6A, 6C and 8C.

## Foreign Language

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### **TECHNOLOGY II - I200**

Prerequisite: Technology I

This is a course designed to foster an awareness and understanding of manufacturing. Through a variety of learning activities, students are exposed to many career opportunities in the design and production fields. Experiences in manufacturing include product design, materials and processes, tools and equipment, safety procedures, research and development, production-planning, mass production, and custom production. An in-depth approach will be used by the instructor in providing students with hands-on experience with design and drafting (including computer aided drafting), mass production and custom production. This will allow the students to select classes at the 11th and 12th grades which will help them in pursuing their educational career goals.

Students will be responsible for providing wood for their classroom projects.

This course addresses the following state standards: 6A, 6C, 6D, 7A, 7C, 9A, and 10B.

### **WOODS MANUFACTURING I I432**

Prerequisite: Tech I and Tech II or Consent of the instructor

This course provides studies in the areas of manufacturing and production. Students will be introduced to efficient use of tools, techniques, resources, and production systems used to produce goods. The basic fundamentals of cabinetmaking and millwork will be taught through planned learning activities which will allow the students to become knowledgeable and develop technical skills related to the trade. The business of manufacturing will also be taught concentrating on starting and organizing a manufacturing company, developing a production system and finally producing a product.

Students will be responsible for providing wood for their classroom projects.

This course addresses the following state standards: 6A, 6B, 6C, 6D, 7A, and 7C.

## Industrial Arts

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### **WOODS MANUFACTURING II I433**

Prerequisite: Woods I

This course provides learning experiences designed to further enhance the student's skills in performing more advanced tasks related to the woods manufacturing process. The course offers students the opportunity to specialize on specific areas of manufacturing such as machine set-up and operation, quality control, computer design, computer computation, business organization and management, research and development, and production systems. The student will have the opportunity to work with a wide variety of tools, materials, and processes. Successful completion of the course will give the college bound or technician oriented student a basic understanding of manufacturing systems.

Students will be responsible for providing wood for their classroom projects.

This course addresses the following state standards: 6A, 6B, 6C, 6D, 7A, and 7C.

### **MANUFACTURING SYSTEMS TECHNOLOGY - I460**

Prerequisite: Technology II

This application of science concepts and technology principles will be examined in a laboratory setting. The student will gain understanding of the interdependence of physical science and technology, as applied in manufacturing systems and processes. Problem solving from the technical viewpoint which utilizes student understanding of scientific principles and formulas will be stressed. Research and development concepts will also be covered. Safety in the use of equipment and application of processes will be emphasized, along with development of workplace skills.

Upon completion of the course the student will have a working knowledge of the scientific principles and the technological concepts related to the following manufacturing related systems:

1. Metallurgy and metal fabrication processes, including: machining, welding bending, separating, forming and combining materials. Other materials using similar processes (such as plastics) will also be introduced.
2. Fluid power systems, including: set up and operation of hydraulics and pneumatic power transmission systems.
3. Electrical/electronic systems, including: application of electrical theories and design of electronically operated circuits and systems
4. Communication Systems: use of technology in communication systems, including: hard-wire and wireless technologies.
5. Mechanical power systems: methods of mechanical transfer systems to convert energy into power to do work.
6. Engineering: applications of multidisciplinary fields of engineering as applies to solve manufacturing related problems.

## Industrial Arts (Continued)

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Occupations prepared for: Electrical/Electronic Technician, Automated Manufacturing Systems Technician, Engineering

This course addresses the following state standards: 6A, 6C, 7A, and 7C.

### **Manufacturing Systems Technology II**

Prerequisite: Manufacturing Systems Technology I

Manufacturing systems II is a continuation of manufacturing systems I with added emphasis on machine set up, adjustment, maintenance and repair. The course will cover advanced welding skills (I.E. out of position welding) and production methods including jigs and fixtures.

### **Technology Survival Skills (1 Semester)**

Prerequisite: Junior or senior standing

This class is offered to students who are interested in learning more about home and car maintenance. Students will receive information and be taught basic home repairs in areas such as: electricity, carpentry, plumbing, drywall repair and painting, and tool use and care. In the automotive area students will be taught basic operations and maintenance. This class is a real must for either guys or girls who will be moving into a dorm room or apartment, and those who will eventually be homeowners.

## Industrial Arts (Continued)

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### Dual Credit Courses

Several of our students take advantage of earning both high school and transferable college credits via the internet through a cooperative arrangement with every junior college in Illinois. The student must be a senior and pay for his or her own books. Students in the past have taken courses such as The American Short Story, Psychology, World Geography, and Sociology. Students need to sign up early for these classes as slots fill very quickly. The student must also take the Mirror Test, a basic skills test offered at Spoon River College.

The following is a listing of dual credit courses CURRENTLY offered on our campus. Please note these offerings are subject to change with little notice.

### **COMPOSITION 1 (Comp 101) (this is a weighted class & dual credit)**

Prerequisite: Senior standing, consent of the instructor, must take the Spoon River college Compass test and deem placed in this course, must also take the Spoon River Valley High School Assessment and deem placed in this course.

This is a College Preparatory or College Credit Class, based on the students' decision at the registration of the course (You will not be able to decide later that you do/don't want this for college credit). Those students wishing to take this for College Credit must pay the Spoon River College current rate. All finances for this are done through Spoon River College and Spoon River Valley has nothing to do with any of these transactions. Either way chosen, this class will be counted as a weighted course that looks at basic expository composition with an emphasis in argumentation or persuasive writing. The various elements of the writing process are stressed and include development of a specific thesis. Attention is given to paragraph development, sentence construction, and other stylistic elements. A research paper is required and critical-thinking strategies are encouraged. The course is designed around the primary, rhetorical modes. Reading of novels, such as British Literature pieces may be used to aid the completion of above said essays and/or assignments. Students must receive a C or better in this course to receive college credit. If college credit is earned for this course, the student will not have to complete this course when attending college. This course is worth 3 credit hours of college credit and will fulfill  $\frac{1}{2}$  credit of senior English at the High School level. Students taking Composition 1 are encouraged to complete Composition 2 through our dual credit program but it is not required.

### **COMPOSITION II (Comp 102) (this is a weighted class & dual credit with a fee through Spoon River College)**

Prerequisite: Successful completion of Composition I with a C or better.

This must be taken after completing Composition I. This is a College Preparatory or College Credit Class, based on the students decision at the registration of the course (You will not be able to decide later that you do/don't want this for college credit). Those students wishing to take this for College Credit must pay the Spoon River College current rate. All finances for this are done through Spoon River College and Spoon River Valley has nothing to do with any of these transactions. Either way chosen, this class will be counted as a weighted course that seeks to refine the writing competencies stress in Composition I. The rhetorical modes are the basis for emphasis on stylistic elements, analysis and research. Logical thought and critical thinking are included, also. The Reading

## Industrial Arts (Continued)

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of novels, such as British Literature pieces may be used to aid the completion of above said essays and/or assignments. Students must receive a C or better in this course to receive college credit. If college credit is earned for this course, the student will not have to complete this course when attending college. This course is worth 3 credit hours of college credit and will fulfill  $\frac{1}{2}$  credit of senior English at the High School level.

### **COLLEGE SPEECH (COM103)** (this is a weighted class & dual credit)

Emphasis is placed on the development and delivery of a minimum of three public presentations, including informative and persuasive speeches. Instruction includes the concepts of critical thinking and active listening, audience analysis, sound organization, effective use of supporting material through cited research, and effective delivery

### **GENERAL PSYCHOLOGY (PSY130)** (this is a weighted class & dual credit)

General Psychology is an introduction to the scientific study and interpretation of human behavior in everyday life with consideration given to such topics as personality, emotions, motivation, learning, intelligence, sensation, and perception and group processes.

### **HUMAN GROWTH AND DEVELOPMENT (PSY236)** (this is a weighted class & dual credit)

This course is a study of the physical and psychological development from prenatal period through old age. Emphasis is placed on basic processes of learning and motivation and on the interactions of physical, intellectual, emotional, and social factors in the development of adjustment during these periods. Experiences will include the observing, recording, and evaluating of behavior at the various stages of development. (S6-902) Prerequisite: PSY 130 or P/I

### **SOCIAL PSYCHOLOGY (PSY240)** (this is a weighted class & dual credit)

An introduction to the theory and method of social psychology and the influence of social factors on human behavior. Emphasis is placed on understanding behavior as the individual interacts with others in the social environment. (S8-900) Prerequisite: PSY 130 or SOC 100 or P/I

### **COLLEGE ALGEBRA (MAT125)** (this is a weighted class & dual credit)

College Algebra is designed to develop the algebra skills necessary for success in higher-level math and science courses. With extensive use of computer software, topics to be covered in this course include: exponential and logarithmic functions, linear and quadratic functions, higher-degree polynomial and rational functions, inverses and combinations of functions, graphs and graphical translations, circles, complex numbers, systems of equations, and the binomial theorem. Prerequisite: MAT 060 or MAT 061 with a C or better, Testing Criteria, or Equivalent.

### **BUSINESS CALCULUS (MAT133)** (this is a weighted class and dual



## Dual Credit Courses and On-Line Courses

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credit)

Business Calculus I emphasizes application of fundamental calculus concepts to business and the life and social sciences. Topics to be covered in this course include: limits, differentiation, integration, and applications. (M1-900-B)  
Prerequisite: MAT 125 with a grade of C or better, Testing Criteria, or Equivalent.

### **COLLEGE STATISTICS** (this is a weighted class and dual credit)

Prerequisite: MAT 060 or MAT 061 with a Cor better, Testing Criteria, or Equivalent

This is an introductory course in statistics requiring a minimum of mathematical preparation. Topics to be covered include descriptive methods (frequency distributions, graphing, and measures of location and variation), basic probability theory (sample spaces, counting, factorials, combinations, permutations, and probability laws), probability distributions (normal distributions and normal curve, binomial distribution, and random samples and sampling techniques), statistical inference (estimation, hypothesis testing, *t-test* and chi-square test, and errors), and correlation and regression. (IAI: M1 902)

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### ILLINOIS VIRTUAL SCHOOL

One option that our students have is to take a class via the internet through Illinois Virtual High School. In the past our students have taken such classes as computer networking, computer web page design, psychology, and algebra I. There is a wide array of classes available. Students work independently in the library with the assistance of the technology coordinator. Scholarships are available for those in financial need.

**ALL ENROLLMENTS INTO DUAL CREDIT AND ON-LINE COURSES MUST BE APPROVED IN ADVANCE BY THE GUIDANCE COUNSELOR AND PRINCIPAL.**

## Dual Credit Courses and On-Line Courses (Continued)

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All 8th grade students must check with their math teacher for assistance in choosing a math strand. All math classes must be initiated by a math teacher prior to a student being enrolled in a math class. The Mathematics courses are intended to be taken sequential. A student will not be allowed to go backwards once a sequence is started.

### ALGEBRA I

Prerequisite: None

Algebra I is an introductory course which is designed to acquaint the student with the basic skills and techniques necessary to apply algebraic concepts to the solution of problems. The material is divided into the following areas:

1. Set Theory
2. Variables, open sentences, and problem solving
3. Negative numbers
4. Polynomials
5. Special products and factoring
6. Algebraic functions
7. Graphs
8. Sentences in two variables

This course addresses the following state standards: 6A, 6B, 6C, 6D, 7A, 7C, 8A, 8B, 8D, 9B, 9D, and 10A.

### GEOMETRY

Prerequisite: Algebra I

Geometry is the study of properties of figures in two and three dimensions. A large number of results may be deduced from a "small" number of assumptions. Many formulas are developed and mathematics are extended into a variety of occupations. In this course, it is hoped that the student will not only acquire basic knowledge of mathematics, but also sharpen his/her reasoning power.

This course addresses the following state standards: 7A, 9B, 9C, and 9D.

## Dual Credit Courses and On-Line Courses (Continued)

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### **ALGEBRA II (this is a weighted class)**

Prerequisite: Geometry and/or consent of instructor

This course begins with a review of Algebra I skills and expands on those concepts and theorems. Linear equations and quadratic equations are studied in connection with a study of relations and function. Students are taught the rules of working with polynomials and rational algebraic expressions. The use of equations in one or two variables is developed as a method for solving word problems.

This course addresses the following state standards: 6A, 6B, 6C, 6D, 7A, 7B, 7C, 8D, and 9A.

### **TRIGONOMETRY/PRE-CALCULUS (this is a weighted class)**

Prerequisite: Completion of Algebra I, Algebra II and Geometry with a C average or better and consent of the instructor.

This course is an advanced course designed to lay the groundwork for further studies of mathematics at the college level. The course builds on Algebra I, Algebra II and Geometry skills and concepts. Functions and polynomials of 1st, 2nd, 3rd and higher degrees are studied to use in skill problems and practical application problems. Topics of analytic geometry and trigonometry are also studied during the course.

This course addresses the following state standards: 6A, 6B, 6C, 6D, 7A, 7B, 7C, 8A, 8B, 8C, 8D, 9A, 9C, and 9D.

### **CALCULUS (this is a weighted class)**

Prerequisite: Trigonometry/Pre-Calculus and / or consent of instructor

This course begins with a review of trigonometry and Algebra II. In this course, students study the meaning of limits and methods to find limits. The student studies the derivatives of functions and the graphs of functions. Students are also instructed in finding the anti derivative as a tool for finding area and volume of shapes bounded by polynomials. Problems involving the first derivative to find maximum values are also studied. This course will help students be better prepared for college level algebra or calculus.

\*DUAL CREDIT OPTIONS OF COLLEGE ALGEBRA AND BUSINESS CALCULUS ARE AVAILABLE. PLEASE SEE PAGE 26 FOR MORE INFORMATION.

## Dual Credit Courses and On-Line Courses (Continued)

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### HIGH SCHOOL CHORUS

Prerequisite: Consent of instructor

A mixed choral setting studying vocal production and music literature of various periods and styles. Students will participate in one large production, one formal concert and organizational contest each year. Since this organization is performance oriented, attendance at public performances is required as well as any out-of-class rehearsals necessary for production. Credit is based upon attendance and effort, as well as a written semester exam to be given in the spring semester. Students wishing to join for one semester must participate independently during the other semester. This is only acceptable if consent is given by the office and the instructor.

## Mathematics

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ALL STUDENTS ARE REQUIRED TO TAKE PHYSICAL EDUCATION EACH YEAR BY STATE LAW UNLESS THEY QUALIFY FOR AN ATHLETIC EXEMPTION

### PHYSICAL EDUCATION

Prerequisite: None

These classes are designed to give each student the opportunity to participate in daily physical activity, while promoting physical fitness, sportsmanship, citizenship, and life-long activities. Students are expected to dress and participate on a daily basis unless excused in writing by a parent ( 1 day only ) or a physician ( more than 1 day ). Each student who does not dress will be given a packet of work to be completed by the end of the class period. Each student will be allowed 3 "no dresses" per semester, with the exception of those students with a written medical excuse from a physician. Every "no dress" after the 3rd will result in a daily grade of zero "0" and a detention, at the discretion of the instructor.

This course addresses the following state standards: 19A, 19B, 19C, 20A, 20B, 21A, 21B, and 24B.

### HEALTH ( 1 semester )

This class is designed to give each student the opportunity to learn and develop sound health habits. The course emphasizes that each individual's health is his own responsibility and he must achieve the potential to make intelligent personal decisions, which will affect himself/herself and others. Topics covered include: Mental health, stress, life cycle considerations, diseases relating to body systems, drug use and abuse, sexually transmitted diseases, and non communicable diseases.

Health will be automatically paired with one semester of P.E. at the Sophomore level.

This course addresses the following state standards: 19B, 19C, 20A, 20B, 20C, 22A, 22B, 23A, 23B, 23C, 24A, 24B, and 24C.

## Mathematics (Continued)

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Students do not need to sign up for Driver's Education. You will be assigned to the proper class based on your birth date and meeting state requirements for number of classes passed.

### **DRIVER EDUCATION—CLASSROOM ( 1/4 credit )**

The classroom portion involves the study of basic traffic laws, techniques in defensive driving, driving strategies and the physical and mental aspects of driving. This course is required by the state and must be taken as part of the graduation requirements of the school.

### **DRIVER EDUCATION—BEHIND THE WHEEL ( 1/4 credit )**

The behind-the-wheel portion concentrates on acquiring driving experience in basic driving skill, expressway driving and city driving. This driving may include behind the wheel time outside of normal school hours.

## Music

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### **SWAT (Science with a TWIST)**

**Prerequisite:** None

Entry level high school general science. The course will cover topics in life, physical and earth science. Many hands-on activities with each level.

### **PHYSICAL SCIENCE**

**Prerequisite:** None

Physical Science is designed to give each student a basic understanding of chemistry and physics. Each student will be expected to show an understanding of each chapter by expressing himself/herself orally in class discussions and by answering essay and objective questions on quizzes and tests.

Students will learn to recognize the atom and its' fundamental parts, a majority of the elements, the states of matter, mixtures, compounds, balancing equations, and chemical reactions.

The student will also learn about the different forms of energy and what each is used for. Simple machines and their uses will also be studied in detail.

A basic understanding from the course will assist the student wishing to take chemistry or physics at a later time. The ideas can also be applied to industry and everyday life situations. Emphasis will be placed on the metric system.

This course addresses the following standards: 11A, 11B, 12A, 12C, 12D, 12F, 13A, and 13B.

### **BIOLOGY I**

**Prerequisite:** None

Biology is the science of living organisms. The general understanding will be in the areas of levels of organization, cell structure, cell theory, genetics, and introduction to plants and animals. The student will become aware of inter-relationships of living things and their environmental adaptations, and have a clear comprehension of the significance and importance of living things. Binders of in-class work and research projects will be kept. Dissection of earthworms and frogs will be included in second semester lessons.

## Physical Education/Health

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### **ANATOMY AND PHYSIOLOGY (this is a weighted class)**

Prerequisite: Physical Science, Biology I and consent of teacher

In depth study of plant and animal anatomy and physiology will be the main focus of this class. It will include the study of form, function and disorders of plant and animal organs, including all 9 human systems. Dissections of the fetal pig and sheep organs will be the basis of second semester laboratories. A leaf collection is required.

### **CHEMISTRY (this is a weighted class)**

Prerequisite: Biology I and Algebra II, or current enrollment in Algebra II and consent of instructor

Chemistry is the science dealing with the composition of materials, and the changes in composition which these materials undergo. In this course, the student gains a basic knowledge of modern chemical theory and principles, along with a general survey of the elements. Included are student laboratory and demonstrations. Mathematics is a must for those entering chemistry.

This course addresses the following state standards: 12B, 12C, 12D, 13A, and 13B.

### **PHYSICS (this is a weighted class)**

Prerequisite: Chemistry

Physics is a science that deals with matter, energy and physical change. The course of study includes: mechanics, heat, sound and light. During the course from one to two days a week are devoted to selected experiments. Physics is a good college preparatory course, especially for students interested in engineering or science.



## Driver's Education

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### **WORLD HISTORY**

Prerequisite: None

This course will begin with a look at prehistoric man and the development of great civilizations: Egypt, Mesopotamia, Rome, Greece, etc. and will continue through the Middle Ages.

The second semester of this course will continue with the development of nations as we know them today. Periods included will be the Renaissance, the Reformation, exploration and will continue to the 20th Century.

This course addresses the following state standards: 16B, 16C, 16D, 16E, 18A, 18B, and 18C.

### **WESTERN GEOGRAPHY**

Prerequisite: None

Overview of the Western hemisphere. Western Geography is a study of the countries, cultures and landforms of the western hemisphere. The course will include a map study of the United States, Canada, Mexico and South America.

### **EASTERN GEOGRAPHY**

Prerequisite: None

Overview of the Eastern hemisphere. Eastern Geography is a study of the countries, cultures and landforms of the Eastern Hemisphere. Emphasis will be on Europe and the Middle East. The course will include a map study of the of the Eastern hemisphere.

### **WORLD CULTURES (Africa and Asia)**

Prerequisite: None

An in depth study of the countries discussed in Geography. Emphasis will be placed on history, culture and modern issues of the country. Emphasis will be on Africa, Asia, Middle East and Latin America.

## Science

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### **WORLD CULTURES (Europe, Middle East and Latin America)**

Prerequisite: none

An in depth study of the countries discussed in Geography . Emphasis will be placed on history, culture and modern issues of the country. Emphasis will be on Europe, the Middle East and Latin America.

### **AMERICAN HISTORY**

The course is designed to inform the student about American's cultural, social, political and economic past, and to allow each student to apply these lessons of history to his/her own experience. History of the United States should provide the student information needed to understand the past and think constructively about the future. Students will conduct a semester long research project and learn about writing as a historian.

### **AMERICAN CIVICS ( 1 semester )**

The course fulfills the requirement that students must study and pass tests on the Constitution of the United States and of the State of Illinois. The course also presents information to the student on national and state government, the court systems, and the electoral process. This course will help students acquire and learn to use the skills, knowledge, and attitudes that will prepare them to be competent and responsible citizens throughout their lives. This course will focus on government institutions, the discussion of current and controversial issues, service learning and simulations of the democratic process.

This course is automatically paired with Consumer Education to create a full year of classes at the Junior level and must be taken as part of the graduation requirements of the school

This course addresses the following state standards: 14A, 14B, 14C, 14D, 14E, and 14F.

### **CURRENT EVENTS**

This course will allow students to discuss topics of current importance both foreign and domestic. The class will have the opportunity to analyze information, formulate opinions, and debate the major topics of the day. Issues include, the economy, education, the environment, the middle east, healthcare, and poverty.

This course addresses the following state standards: 15A, 15B, 15E, 18A, 18B, and 18C.

Science (Continued)

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## Social Studies

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Social Studies (continued)

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## Social Studies (Continued)

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Notes

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**SPOON RIVER VALLEY HIGH SCHOOL**

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