

Smoky Valley High School Enrollment Guide 2007-08

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Four Year Planning

The following information has been compiled to help you, the student, enroll for the coming school year. It is also designed to help your parents better understand the enrollment process that you are beginning, and the educational plans that you are making. Regardless of whether you will be a freshman (9), sophomore (10), junior (11), or senior (12), at Smoky Valley High School, you should remember that high school is a four-year-plan. One year should help you build towards the next. The ultimate goal of your high school years is the building of the best possible "you". Now is the time to begin setting goals for your future, and for you to determine which courses at Smoky Valley High School will best help you reach these goals.

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If you or your parents have questions or need more information about the enrollment process, please contact the counselor or principal at Smoky Valley High School.

U.S.D. #400 Graduation Requirements

1. Each student is expected to have accumulated a minimum of 24 credits before graduation.
2. Four credits of English Language Arts (English I, II, III, Oral Communications, and 1/2 credit of student's choice).
3. Three credits of Social Studies (American History, Government, and one credit of student's choice).
4. Two credits of Science. **2007-08 Freshman, sophomore and junior classes will have three units of science required for graduation.**
5. Two credits of Mathematics. **2007-08 Freshman, sophomore and junior classes will have three units of math required for graduation.**
6. All freshmen are required to enroll in P.E./Health for one credit.
7. All freshmen are required to enroll in Oral Communications and Keyboarding for a total of one credit.
8. All sophomores are required to enroll in a Computer Applications for 1/2 credit, and Career and Life Planning for 1/2 credit.
9. One unit of Practical Arts (the Keyboarding and Computer Applications will meet this requirement).
10. One credit of Fine Arts.

NCAA Division I and II Participation

Any student who hopes to participate in an athletic program at a Division I (ex. KU & KSU) or Division II (ex. Ft. Hays & Emporia) school must meet the academic guideline of the NCAA to be eligible. Visit **EARLY** with the counselor about the specific requirements.

An early visit is important because the NCAA has increased the number of required core classes to 16 for Division 1 effective with the class of 2008. The NCAA also no longer accepts ACT scores sent on a high school transcript. Students must also now complete the Amateurism Certification Process. All registration with the NCAA Clearinghouse and amateurism certification must now be done online at their web site. (www.ncaaclearinghouse.net)

Regents Recommended Curriculum/Qualified Admissions Standards

Beginning in the fall of 2001, students applying to any of the six Kansas Regents Universities (Emporia State, Fort Hays State, Kansas State, Pittsburg State, University of Kansas, Wichita State) have been required to meet certain admission criteria. It's

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important that you and your family know and understand these requirements so you are ready for college when you graduate from high school. The courses you take during high school and how well you do in those classes, will impact your future plans.

Students entering college must meet one of the following requirements to qualify for admissions to Kansas Regents University:

- (1) Complete the qualified admissions curriculum with at least a 2.0 grade point average (GPA) on a 4.0 scale in that QA curriculum;
or,
- (2) Achieve an ACT composite score of 21 or above;
or,
- (3) Rank in the top one-third of your high school's graduating class.

The following chart on page four lists the Regents Recommended Curriculum with qualified admissions standards. College-bound students who plan to enter a Regents University should use the "Regents Curriculum for Qualified Admissions" and the "Regents Curriculum for Kansas Scholar's" as their guide. The chart continues on the next page.

How are cumulative GPA's computed?

Cumulative GPA's are computed each semester on work completed at the high school level plus Algebra I grades brought from the middle school. Courses at the high school level that are graded using the pass/fail system are NOT included in the computation of cumulative GPA. For the student concerned about the higher ranking GPAs, it is important to know that a P/F course CAN influence a GPA because of the different number of courses being figured into the points earned which gives the GPA. This affects all students other than those with a 4.0 GPA. See the counselor or principal if you have questions about this item.

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Comparisons of Pre-College Curricula

Content Area	USD 400 Graduation Requirements-2007-08 senior class	2007-08 freshman, sophomore and junior requirements	Regents Curriculum for Qualified Admissions	Regents Curriculum for Kansas Scholars
English/ Language Arts	4 Units Required English I, II, III, Oral Communications, Choice of Advance Comp., AP English, HCC Comp I and II, Creative Writing, Senior English, Basic Writing, Forensics, Journalism I and II.	4 Units Required English I, II, III, Oral Communications, Choice of Advance Comp., AP English, HCC Comp I and II, Creative Writing, Senior English, Basic Writing, Forensics, Journalism I and II.	4 Units Required-1 per year English I, II, III, Choice of Advance Comp., AP English, or HCC Comp I and II.	4 Units Required-1 per year English I, II, III, Choice of Advance Comp., AP English, or HCC Comp I and II.
Mathematics	2 Units Required Algebra 1A, Algebra 1B, Algebra I, Geometry, Algebra II, Trig/Pre-Calc, Consumer Math	3 Units required Algebra 1A, Algebra 1B, Algebra I, Geometry, Algebra II, Trig/Pre-Calc, Consumer Math	3 Units Required (taken from high school) Algebra 1A and 1B (these two make up Algebra I) or Algebra I, Geometry, Algebra II, Trig-PreCalc	4 Units Required Algebra I, Geometry, Algebra II, Trig/Pre-Calc, (8 th grade Algebra accepted)
Fine Arts	1 Unit Required Any music or art course will meet this requirement	1 Unit Required Any music or art course will meet this requirement	None required	None required
Natural Sciences	2 Units Required Earth Science, Biology, Human A & P, Chemistry, Physics, Life Science, Food Science.	3 Units Required Earth Science, Biology, Human A & P, Chemistry, Physics, Life Science, Food Science.	3 Units Required (This must include Biology and either Chemistry or Physics) Earth Science, Biology, Chemistry, Physics, Human A & P	Biology, Chemistry and Physics.
Social Sciences	3 Units Required American History (Junior), American Government (Senior), Choice of: World History, 20th Century History, American West, Civil War, Vietnam, Current Events, HCC Psychology, HCC Sociology	3 Units Required American History (Junior), American Government (Senior), Choice of: World History, 20th Century History, American West, Civil War, Vietnam, Current Events, HCC Psychology, HCC Sociology	3 Units Required American History, American History Plus, American Government (0.5), World History (0.5) or 20th Century History (0.5). One Unit Selected from: Vietnam Era, Civil War, American West, HCC Psychology, HCC Sociology.	3 Units Required American History, American History Plus, American Government (0.5), World History (0.5) or 20th Century History (0.5). One Unit Selected from: Vietnam Era, Civil War, American West, HCC Psychology, HCC Sociology.
Computer Technology	1 Unit Required Keyboarding (0.5) and Computer Applications (0.5)	1 Unit Required Keyboarding (0.5) and Computer Applications (0.5)	1 Unit Required Keyboarding (0.5) and Computer (0.5) meet this requirement.	1 Unit Required Keyboarding (0.5) and Computer (0.5) meet this requirement.
PE/Health	1 Unit Required Freshman PE/Health	1 Unit Required Freshman PE/Health	None required	None required
Foreign Language	None Required	None Required	None Required	2 Units of one foreign language required
Careers	0.5 Units Required Career and Life Planning (Sophomore)	0.5 Units Required Career and Life Planning (Sophomore)	None Required	None Required

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Art

Fundamentals of Art (9, 10, 11, 12)

1 Credit

Fundamentals is a general art course designed for the beginning art student. Students will gain an understanding of the principles and elements of art through structured lessons in basic drawing, painting, printmaking and ceramics techniques, as well as the history of art. Emphasis will be placed on exposing the student to a wide variety of materials and art experiences so that students will begin to think creatively and solve artistic problems in unique ways. A lab fee of is required for this class. All necessary materials will be provided.

Ceramics (10, 11, 12)

1 Credit

Students in this class will gain an understanding of the fine art of ceramics as they progress from simple hand-building techniques to custom glaze-making, sculpture, wheel-thrown pottery, raku firing and complex hand-building projects. Emphasis will be placed on creativity and craftsmanship, and no slip-cast (craft-type) ceramics will be allowed. A lab fee is required for this class. All necessary materials will be provided.

Advanced Ceramics (11, 12)

1 Credit or 1/2 Credit-Prerequisite: Students must have earned an "A" in Ceramics and have permission of the instructor.

This class is designed as an independent study class for the upper-level ceramics student who is motivated, creative, and has demonstrated mastery of all basic ceramics techniques. The curriculum will be tailored to the needs of the individual student, with emphasis placed on creating exhibition-quality work. A lab fee is required, and the students who choose to specialize in throwing on the potter's wheel may be asked to purchase additional clay.

Drawing (10, 11, 12)

1 Credit

Students will gain an understanding of the principles and elements of art through structured lessons in various drawing techniques and subject matter using both color and black and white materials. Emphasis will be placed on drawing form life and increasing the student's level of perception and improving each individual student's drawing skills. Students will also use drawing skills in basic printmaking. A

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lab fee is required, and students may also be required to have exhibition-quality work professionally matted.

Painting & Design (10, 11, 12)

1 Credit

Students will gain an understanding of the principles and elements of art through the study of painting styles and historical periods in art, as well as the use of color and composition. Emphasis will be placed on creation of 2-dimensional and 3-dimensional design projects, fabric design, and acrylic, oil and transparent watercolor paint on paper, canvas board, and stretched canvas using a variety of subject matter. A lab fee is required for this class. Prior completion of Fundamentals of Art is recommended but not required.

Advanced Painting (11, 12)

1 Credit or 1/2 Credit-Prerequisite: Students must have earned an "A" in Painting and have permission of the instructor.

This is an Independent Study course designed for the upper-level painting student who has demonstrated mastery of various painting techniques and would like to explore particular techniques and develop a personal style. This course can be modified for the student who would like to create computer-generated paintings using Painter 3 and Adobe Photoshop software. Emphasis will be placed on creation of contemplative works that exhibit expression, high degrees of skill in the medium chosen, and good composition. A lab fee is required for this class.

Photography(11, 12)

1 Credit-Limited enrollment with priority to seniors.

Students will learn the principles of art and basic black and white photography through the study of the history and special uses of photography, parts and proper use of all settings on the 35MM single-lens reflex action camera, composition, darkroom chemistry, and special darkroom techniques. Students will be expected to master technical information about exposures, camera settings, films and proper use of equipment and materials before they will be allowed to use cameras.

Students are encouraged to have their own 35MM cameras with manual controls of settings, but may use school cameras. Students will also use digital cameras, learn to use iPhoto and iMovie software, and create and manipulate digital color prints, hand color black and white prints, and explore infrared photography. All films, papers and darkroom supplies will be furnished. A lab fee will be required.

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Advanced Drawing (11, 12)

1 Credit or 1/2 Credit-Prerequisite: Students must have earned an "A" in Drawing and have the permission of the instructor.

This class is designed as an independent study course for the upper level drawing student who has demonstrated the ability to be self-motivated and capable of creating complex and original large and small-scale compositions in a variety of techniques. Emphasis will be placed on increasing drawing skills in the student's choice of materials, subjects, and techniques. This course can be modified to include interior and architectural design, commercial art, and computer-generated graphics. Lab fees will be required and will vary according to each student's specific needs.

Business Education

Accounting I (10,11,12)

1 Credit

Accounting develops in students the ability and desire to keep records for personal use. It helps students interpret and analyze business papers and records. Emphasis is placed on developing traits of accuracy, neatness, and orderliness. Accounting also provides knowledge of record keeping for a small business. An accounting simulation is completed during the year.

Computerized Accounting II (11,12)

1 Credit-Prerequisite: Accounting I

The second year of accounting places the emphasis on the type of entry level accounting careers that are available to high school graduates. Through this course students should have a better understanding of business activities.

Business Law (11, 12)

1/2 Credit

Business Law is a course designed to study law as it relates to the business setting. Students will learn how laws affect them as business owners, and understand the civil and criminal issues often found in courts.

Computer Applications (10,11,12)

1/2 Credit-Prerequisite: Keyboarding

Students will learn word processing, database management, drawing, and spreadsheet applications.

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Desktop Publishing(10, 11,12)

1/2 Credit

This class will acquaint students with graphic design techniques, principles of page layout and design and desktop publishing terminology and applications using selected software. Desktop Publishing will assist students in the production of professional publications.

Entrepreneurship (11, 12)

1/2 Credit

Students who wish to explore the personal characteristics and resources needed to profitably start and run a small business should enroll in this course. Instruction will cover the concepts of entrepreneurship and the importance of small business within our free enterprise system. Students will be exposed to the basics of planning, organizing, financing, starting, operating, and managing a small business venture. The components of a business will be applied by students to their own business simulation.

In-House Training(11,12)

1 Credit-Prerequisite: Keyboarding, Computer Applications, and Accounting I Preferred.

This course is designed to be as close to a real business setting as possible. Students enrolled will be expected to complete various desktop publishing documents for the school and local businesses. They will utilize the CD-ROM, scanner, Internet, and various software packages available for business. Students should be self-starters and capable of setting and meeting deadlines.

Keyboarding(9)

1/2 Credit

The aim of this course is to learn skills needed to succeed in the electronic workplace of the future and prepare students for Computer Applications. Skills in keyboarding, formatting (arrangement and placement of documents), and document processing (production of letters, reports, tables, and other forms) are stressed. Students are taught terminology, concepts, and functions of electronic equipment. This is a required course for ninth graders lasting one semester.

Introduction to Business(9, 10, 11,12)

1 Credit

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This class will introduce students to the role business plays in the lives of individuals as consumers and workers. A survey of the functions of business, a comparison of the forms or organizations and methods of administration and the interdependence of production, distribution, and finance in modern business.

Extended Studies

Elementary Aide (11, 12) Pass/Fail Course

1 Credit

Limited enrollment with priority to seniors; younger students admitted on a space-available basis with the permission of the instructor.

This class is designed to give students the opportunity to be involved with children at the elementary and intermediate levels and perform meaningful activities. This class is for those who might want to go into teaching or who just want to spend a class period a day with children. Students will be assigned to a teacher at either the primary (K-4) or intermediate (5-8) level. Jobs may include working individually or in small groups with assigned children in subjects such as reading, math or written language or helping teachers prepare materials. All students will go through a short orientation before starting in their classroom to give them the idea about tutoring and behavior techniques.

This class is designed to give students a one on one approach with the teacher on all subjects. Credit is based on attendance, agenda usage, and classroom participation. Students must obtain a teacher recommendation or parental request through the school counselor.

Gifted Seminar (9,10,11,12)

0.5 credit per semester

Designed for students identified as gifted with a current IEP, the content is individualized in accordance with the IEP goals and services. This class allows the dedicated student time to pursue independent research, in-depth study and long-term projects.

HCC Speech(11,12)

0.5 Credit

This semester long HCC class is the basic entry-level speech college speech class. It is open to juniors and seniors. It is counted as an elective and does not meet USD 400 Graduation requirements for Oral Communications.

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Information Technology - 1 year (9,10,11)

1 Credit

Students must be accepted through an application process to enroll in this course. Information Technology is a yearlong course. Students must apply and be accepted to the course through an application process. Students will be approved based on teacher recommendation and reference support. This course may be repeated yearly. The course focuses on advanced individual technical skills. The course includes the operation and maintenance of district websites, community and school technical work, and individual projects that demonstrate hardware and software advancement. All work and materials represent Smoky Valley High School and the district of USD 400. Individuals must prove trustworthiness as well as a willingness to serve the needs of SVHS and USD 400. Applications to apply may be obtained from Mrs. Denk.

Library Assistant-Smoky Valley High School Library Media Center (9,10,11,12)

0.5 credit per semester

(Only one library assistant will be selected per period; this must be approved by the Library Media Specialist.)

This class provides service and support to all areas of Smoky Valley High School. The library assistant's responsibilities are crucial to the smooth operation of the SVHS Library Information/Media Center. Students will learn about the basic functioning of the library media center. Basics such as the Dewey Decimal system, shelving, periodical processing, and using the OPAC checkout system will be required. Furthermore, technology application and research basics will be stressed. Major projects will be included in weekly job assessments. Library assistants will also create book reviews for publication. This course is offered as a semester of elective credit and can be retaken with added responsibilities/requirements.

Online Elective (11,12) Pass/Fail Course

0.5 Credit

The student must find a course that would be deemed as acceptable in terms of content. The student will need to get prior approval from the class facilitator or the administration in order to enroll in the course. The student will be responsible to provide some sort of proof of course completion. This proof must be presented to the class facilitator on or prior to the last official day of class in the semester. The course will be listed at Pass/Fail and will not be used for GPA calculation. Credit will be awarded based upon completion of the course at the rate of 1/2 credit per high school semester.

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Peer Assistance (11,12) Pass/Fail Course

1 Credit Prerequisite: Instructor permission

This class is one in which students obtain the necessary skills to become an academic mentor to other high school, charter school students as well as middle and elementary students. There is a combination of classroom instruction and working with students during the course of this class. There are other leadership opportunities available as well.

Study Skills AR (9, 10, 11, 12) Pass/Fail Course

1 Credit

This class is designed to give students a one on one approach with the teacher on all subjects. Study skills, career preparation and community participation are included. Credit is based on attendance, citizenship, and classroom participation. Students must obtain a teacher recommendation or parental request through the school counselor.

WorkStudy (12)

1 Credit***

Workstudy is a class open to seniors only. Work/Community Service Experiences will meet the following criteria:

Selection of students will be based on an application/interview process.

Students cannot work for their parents or family members.

The work in which the student is to be engaged must be reasonably related to future employment goals, career preparation, or financial need.

The program will be under the supervision of a faculty member who will oversee the evaluation of each student's work experience

The student must agree to all conditions and accept responsibility for reporting work hours to the school.

The experience may encompass no more than two school periods. Students will receive 1/2 credit per semester for each hour of work.

The student must agree to all conditions and accept responsibility for reporting work progress to the school.

Students must have confirmation from an acceptable work site and permission from the parent, counselor, and principal prior to being admitted to the program.

Students will not be allowed to work for their parents unless they have shown that the work is legitimate to a level considered acceptable by the director and/or the building principal.

Grades will be given based on time sheets, monthly meetings, job skill assessments, completion of required forms, and employer evaluations. (continued next page)

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***Beginning with the incoming freshman class of 2005, students will receive only 1/4 credit per hour of workstudy.

Foreign Language

Advanced German (10, 11, 12)

1 Credit-**Prerequisite:** German I

"He who does not know a foreign language, does not know anything about his own language," Goethe, Germany's greatest poet and writer once said. Advanced German will expand the speaking, writing, listening and reading skills begun in German I. Improvement of reading skills will be important. Through reading, students will gain a deeper insight into German literature and culture of the past and present. A variety of different kinds of activities including the "Alles Gute" video series will be used to make learning German meaningful and engaging.

Spanish I (9, 10, 11, 12)

1 Credit

Spanish I is a comprehensive study of the Spanish and Hispanic cultures. For language we will practice listening to, speaking, reading, and writing Spanish. Vocabulary, grammar, and pronunciation are an integral part of this study. For culture, we will learn about Spanish and Latin American history, geography, cities, music, and film.

Spanish II (10, 11, 12)

1 Credit-**Prerequisite:** Spanish I

Spanish II builds on the language skills acquired in the first year of study. More in-depth projects can be done since students can say and understand more. Increased vocabulary and grammar leads to higher levels of performance. We will continue to study the cultural aspects of Spanish speaking countries.

Advanced Spanish (11, 12)

1 Credit-**Prerequisite:** Spanish 1 & 11

This is an independent study for the highly motivated student who wants to continue their Spanish studies. The Spanish 2 textbook is completed and they work with a video textbook which gives them more opportunity to hear native speakers. They continue to learn about the different hispanic cultures and history.

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Smoky Valley and Greenbush Course Offerings:

French I, II and III

German I

Chinese I

Japanese I

These courses are offered in a virtual environment during an hour you are able to take them. The building principal and guidance counselor will work with you on where they will be proctored. The district does pay the enrollment fee for these courses only as they are replacing some foreign language offerings that have been historically available in past years. There is a certified teacher that conducts the courses in this virtual environment, but not necessarily "real-time" instruction by a live person. This means that the person taking this course must be a self-directed learner with good problem-solving skills and be highly motivated.

Family & Consumer Sciences

Career and Life Planning(10) (Life Dimensions)

1/2 Credit

Develop a life-management plan for life beyond high school; caring for self and others and planning to assure career success and coordinating personal and career responsibilities. Personal life choices made now and throughout life determine your quality of life. Topics include career exploration and skills, conflict resolution, communication, stress, decision-making, and money management.

Parenting and Child Care(11, 12)

1/2 Credit

Human reproduction, conception, prenatal care and delivery set the stage for the study of the newborn, toddler and preschooler. Students will apply the information on the physical, intellectual, social and emotional characteristics of young children. Students will learn the basics of parenting and childcare through class activities, observation, field trips, projects and more.

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Fitness and Nutrition (1st Semester) (10, 11, 12)

1/2 Credit

Fitness and Nutrition is the study of the relationships between diet, activity level, and total wellness. Topics of study will include: self assessment, nutrition basics, food facts or fiction, body composition/energy level, fitness and current food topics, analysis, evaluation and alteration of recipes for various dietary needs, nutrition and exercise equipment, careers and more. Students should complete the course with knowledge to help them develop and maintain healthy lifestyles throughout life.

Meal Planning (2nd Semester) (11, 12)

1/2 Credit

Meal Planning is the study of safety and sanitation in the kitchen, use and care of equipment, knowledge and application of baking principles, preparation, nutrition and consumerism of the following: fruit, vegetables, meats, dairy, grains and baked goods. Nutritious meals will be planned and prepared using the above knowledge.

Housing and Design (10, 11, 12)

1/2 Credit

Students will study housing styles, elements and principles of design, floor, window and wall coverings, kitchen and bathroom design, accessorizing, furniture arrangement, and financial aspects of housing. Practical application projects will be a major part of the course.

Fashion and Clothing (9, 10, 11, 12)

1/2 Credit

Fashion and clothing will help the student become more personally fashionable and consumer-wise. This course offers the basic background for a student who might be interested in the career of "Fashion Merchandising" or a related career. The design principles as they relate to clothing, study of textiles, planning a wardrobe, being a smart shopper, and careers will be studied. Several weeks will also be spent on sewing principles and the student will construct a simple garment for him/herself

Intro to FACS (Family and Consumer Science) (9, 10, 11, 12)

$\frac{1}{2}$ Credit

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This is an introductory class to discover the skills, knowledge, attitudes and behaviors necessary to be successful in families, careers and the communities we live in. Students will explore the work and family program creating a foundation for further study. This class begins to prepare students for future roles as family members, wage earners and community leaders.

Trade and Industry

Intro.to Trade and Industry

1 Credit (9, 10, 11, 12)

This class is an exploration of three areas of trade and industry. Students will work 12 weeks in each of the following areas; drafting, woods and welding.

Students will use problem solving skills, teamwork, resource and time management in all three fields.

Activities in each area include:

Drafting-Students will study a variety of topics in drafting such as: history, career opportunities, measuring, simple math fractions, drafting terminology, drafting equipment, line quality and standards, geometric construction, dimensioning, sketching, drafting techniques, lettering, sectional views, auxiliary views, pattern development, specifications, working drawings, multi-view drawings, isometric drawing, mechanical drawings, pictorials and architectural drafting. Students will also complete work using the AutoCAD program.

Woods-Students will study several woodworking topics such as: history, the lumber industry, products, characteristics of different wood types, artificial wood products, safety, joinery estimates, board footage, plan of procedure, hand tools, power tools, basic machine operations, sanding and finishing. Emphasis will be placed on safety, good working relationships, basic machine operations and economical use of time and material. Students will construct a variety of required projects that will familiarize them with shop equipment.

Welding- Students will study topics such as careers, brief overview of metals and the welding trade, safety, machine use, and welding skills. Students will work on basic welding skills using arc welding, MIG welding skills, using the cutting torch and plasma and Acetylene welding fundamentals. Students may produce very simple welding projects

A primary purpose of this course will be to expose the student to different areas and identifying interests so that in later school years the student can select an appropriate industrial education course leading to technical training. Students will be directed to full year courses in one of these areas after the introductory class

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and then a technical school for advanced study preparation. (A fee is required of this class and it will be necessary to purchase additional supplies.)

CAD I (Computer Aided Drafting) (10, 11, 12)

1 Credit-Prerequisite: Intro. to Trade and Industry or Special Permission. Computer aided drafting class is designed to give students hands on experience using the AutoCAD program. Students will study a variety of topics in CAD such as: career opportunities, terminology, commands, hardware and software, standards, dimensioning, lines types, symbols, working drawings, drawing and editing, multi-view drawings, isometric drawing, mechanical drawings, pictorials and architectural drafting. Students will use the computers skills to complete drawings. It is also designed to aid students to develop their ability to plan, specify, and evaluate ideas.

CAD II (Computer Aided Drafting) (11, 12)

1 Credit-Prerequisite: CAD I
CAD II is designed for students that might be interested in a career in drafting. In this class students will take a more in-depth look at AutoCAD with advanced hands on experience. Students will study a variety of topics in CAD such as: Computer Equipment, hardware and software, Geometry creating and editing, Using layers and creating symbols, Basic Dimensioning practices, Text, Display drawing, Three-Dimensional Construction and Display, Solid Model Construction and Editing, Surface Model Construction and Editing, Rendering Materials and Presentation Grapics. Students will complete working drawings, sectional views, auxiliary views, pattern development, multi-view drawings, isometric drawing, mechanical drawings, pictorials and architectural drawings.

Cabinetmaking I (10, 11, 12)

1 Credit-Prerequisite: Intro. to Trade and Industry or Special Permission. This course is designed to acquaint students with the basic elements of working with wood. Students will study several woodworking topics such as: general safety, materials and layout procedures, squaring stock, tools and machine operations, construction, and finishing. Upon completion of safety demonstrations students will take a safety examination over each power machine. Students will make working drawings and have a plan of procedure before building a project of their own. Students will apply technical knowledge and skills to set up, operate and repair industrial woodworking machinery, and to use such machinery to design and fabricate wooden components and complete articles. Students will assemble and finish furniture and cabinetry projects. Cabinetmaking II and III expand on the

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industry of cabinetmaking. (A fee is required of this class and it may be necessary for students to purchase additional supplies.)

Cabinetmaking II (11, 12)

1 Credit-Prerequisite: Cabinetmaking I

This course is designed to further acquaint students with the basic elements of working with wood, hand tools, and power equipment related to the woodworking industry. Students will study several woodworking topics such as: general safety and review of hand tools, design process, working drawing, plan of procedure and bill of materials, squaring of stock, machine preparations, cabinetmaking joinery, assembly, fasteners and joints, door and drawer construction, prefinish and finishing. This course will also instruct students in buying lumber and how to figure the cost of lumber supplies. Upon completion of safety demonstrations students will take a safety examination over each power machine. Students will make working drawings and have a plan of procedure before building a project of their own. Students will apply technical knowledge and skills to set up, operate and repair industrial woodworking machinery, and to use such machinery to design and fabricate wooden components and complete articles. Students will assemble and finish furniture and cabinetry projects. Cabinetmaking III will expand on the industry of cabinetmaking. (A fee is required of this class and it may be necessary for students to purchase additional supplies.)

Cabinetmaking III (12)

1 Credit-Prerequisite: Cabinetmaking II

This course is designed to further acquaint students with the basic elements of working with wood, hand tools, and power equipment related to the woodworking industry. Students will study several woodworking topics such as: career and jobs, furniture design, general safety, kinds of wood and fine furniture woods, fasteners and hardware, reading prints and making sketches, layout and measuring, edge-cutting tools and drilling and boring tools, machine parts identification, operation of machines, cabinetmaking joints, gluing and clamping, bending and laminating, drawer and doors, fine cabinetwork, kitchen cabinets, finishes procedures. This course will also instruct students in buying lumber and how to figure the cost of lumber supplies. Upon completion of safety demonstrations students will take a safety examination over each power machine. Students will make working drawings and have a plan of procedure before building a project of their own. Students will apply technical knowledge and skills to set up, operate and repair industrial woodworking machinery, and to use such machinery to design and fabricate wooden

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components and complete articles. Students will assemble and finish furniture and cabinetry projects. Cabinetmaking II and III expand on the industry of cabinetmaking. (A fee is required of this class and it may be necessary for students to purchase additional supplies.)

Welding I (10, 11, 12)

1 Credit-Prerequisite: Intro. to Trade and Industry or Special Permission.

Students will apply technical knowledge and skills to join or cut metal surfaces.

Topics include: general safety, materials and layout, basic instruction in arc welding, acetylene welding, MIG welding, TIG welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and nonferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards. The purpose of this course is to further develop students in welding and to create an awareness of why welding is important.

Students will work on welding skills and complete a project of their choice with instructor approval. (A fee is required of this class and it may be necessary for students to purchase additional supplies.)

Welding II (11, 12)

1 Credit-Prerequisite: Welding I

Welding II expands on the skills and knowledge involved with welding. Students will apply technical knowledge and skills to join or cut metal surfaces. Topics include: instruction in arc welding, acetylene welding, MIG welding, TIG welding, resistance welding, brazing and soldering, cutting, high-energy beam welding and cutting, solid state welding, ferrous and nonferrous materials, oxidation-reduction reactions, welding metallurgy, welding processes and heat treating, structural design, safety, and applicable codes and standards. The purpose of this course is to further develop students in welding and to create an awareness of why welding is important. Students will work on welding skills and complete a project of their choice with instructor approval. Students desiring advanced metal working beyond this class should consider area vocational technical schools. (A fee is required of this class and it may be necessary for students to purchase additional supplies.)

Language Arts

English I (9)

1 Credit

"From word to sentence to paragraph" is the outgoing objective of this course designed to encourage students to use their language effectively, primarily in writing. The study of grammar is incorporated throughout the year. The study of literature is introduced with units in reading novels, including independent reading, short stories, essays, poetry, and a play (Romeo and Juliet). Major writing assignments include an autobiographical project, critical and reflective essays, and creative writing adventures.

Honors English I (9)

1 Credit

This course is designed for the freshman student who is ready to be challenged. This class will focus on more intense in-depth studies of literature with an aggressive approach to writing. The study of grammar is incorporated throughout the year. The study of literature is introduced with units in reading novels, including independent reading, short stories, essays, poetry, and a play (Romeo and Juliet). Major writing assignments include an autobiographical project, critical and reflective essays, and creative writing adventures.

English II (10)

1 Credit

Designed for sophomores, this course combines the study of various genres of literature with the development of writing skills. Writing skills are complemented with the review of punctuation, grammar, paragraphing skills, and basic composition structure, all of which are applied in frequent writing experience. In addition to the class study of literature, each student will independently read longer literary works and report about each one. A variety of assessment methods including tests, written assignments, oral presentations, and group projects will determine student comprehension and success.

Honors English II (10)

1 Credit

Designed for sophomores wanting a challenge, this course combines an intense study of literature with the continuing development of writing skills. In addition, students will further their grammar and vocabulary studies. This course pushes the student to think critically and to evaluate various genres, including poetry, novels,

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autobiographical works, Shakespearean play, and short stories. A variety of assessment methods including tests, written assignments, oral presentations, and group projects will determine student comprehension and success.

English III (11)

1 Credit

Designed for juniors, this course combines the study of American literature with the development of writing skills, including technical writing skills. The first semester covers the progress of American literature from colonial days to the early twentieth century; the second semester examines modern American short stories, essays, poetry, and drama. In addition, each student independently reads longer literary works. Reading comprehension is improved through regular vocabulary words. Composition skills are developed through review of grammar, paragraphing skills, and basic essay structure, all of which are applied in frequent writing experiences. The course also includes an extensive study of research methods. After receiving instruction using library resources and organizing the documenting material, the student will complete one major paper. There will be eight book reports in this class, most from a college-prep reading list.

Honors English III (11)

Honors English III is a two-semester course designed to teach juniors who excel in English and have a keen desire to be academically challenged. The literary material may be similar to that which is offered in English III, but is more intense on the level of academic performance expected and on the plane of critical thinking discussions. Effective writing will focus on analysis of literary works by American authors. The first semester focuses on the applied usage of literature analysis, expository writing and technical writing skills. Technology and research are also integrated into the curriculum. Students will write at least one research paper in this class. The second semester focuses upon applied grammar and analysis in writing and literature, and persuasive and narrative writing. Book reports will be a required emphasis within the class. (Students will complete eight such reports during the year as specified by the instructor.) Independent reading from a college preparatory list will provide the student with a broad literary experience. Furthermore, students will be expected to meet mastery levels established by the instructor.

Senior English (12)

0.5 Credit

This one-semester course is designed to offer senior students an opportunity to

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participate in a study of literature while refining grammar and vocabulary skills. The course includes reading, writing, researching, interviewing, participating in class, listening, discussing, and completing projects. Learning activities focus on the student and society. An open mind to all learning tasks is necessary in order to have the course achieve its best value for the student. In doing so, it is a major goal of the course to have each student broaden his/her understanding of himself/herself as well.

Advanced Composition (12)

1 Credit

This course teaches the writing skills required for successful performance in college. Students learn to write expository, persuasive, literary, and research papers. Throughout the course, students work to improve their writing skills: clear and logical development of ideas, concise and effective style, and grammatical correctness. Independent reading from a college preparatory list provides the students with a broad literary experience. The second semester of the course focuses on the study of world and English literature, involving discussion as well as critical and creative writing. Two research papers will be completed in this class.

Hutchinson Community College English Composition I and II (12)

0.5 Credits/per class

This is a dual credit language arts course that will allow the student to receive three hours of college credit in addition to meeting the fourth language arts requirement at Smoky Valley High School. This is taught by Hutchinson Community College on our campus or by one of our staff members depending upon the circumstances. It has come to our attention that a few colleges are not awarding six hours of English credit (offering three hours English credit and three hours of elective credit). Confirm with your college of choice regarding their policy.

Advanced Placement English (12)

1 Credit-**Prerequisite:** Written Essay and Teacher Approval

This course is an intense study of literature, with a major emphasis on analysis through written expression. The student will refine processes of critical thinking and will carefully read assigned works, with an awareness of the full range of stylistic features, structure, and meaning found in those works. The curriculum is nationally oriented (this allows nation wide consistency in the material that will be tested) since students MAY take AP Exam in May that could possibly earn them three to six hours of college credit (credit is determined by the score and the

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institution to which an individual applies). However, the exam is not the only purpose of the class. Other goals include sharpening an awareness of language, understanding various writers' styles, developing critical standards for the independent appreciation of any literary work, and increasing sensitivity to literature as a shared experience. There is a great deal of discussion in this class. Please realize that all of the literature is mandatory reading, no substitutions of reading material. Only the serious student needs to apply, for this is a demanding course with college-level expectations of commitment and performance.

Oral Communications (9)

1/2 Credit

This is an introduction to the area of speech communications. There will be extensive work on public speaking, including outlining, introductions, conclusions, and delivery techniques, as well as the specific speech information itself. Effective listening and nonverbal communication will also be worked on, as well as other areas of communication that will help the student to be more aware and better equipped to handle day-to-day communication with family, peers, strangers, etc.

Forensics (9, 10, 11, 12)

1/2 Credit-**Prerequisite:** Teacher Approval

Forensics is a spring semester course designed to improve students' public speaking performances. The course will cover each of the KSHSAA competition categories: Interpretation of Prose, Interpretation of Poetry, Informative Speaking, Original Oration, Extemporaneous Speaking, Duet Acting, Solo Acting, and Improvised Duet Acting. Students will be expected to prepare speeches and present them for competition at area Forensic tournaments. Students who plan to be on the Forensic Team are strongly encouraged to enroll in this class.

Basic Writing (10, 11, 12)

1/2 Credit-**Prerequisite:** Teacher Approval

This semester course is designed for the student who has difficulty with the writing process. Through the use of computer programs designed for simplifying basic writing concepts, the student will review punctuation, grammar, paragraphing skills and basic composition structure. The number of students permitted to enroll in this class will be limited so that individual attention may be enhanced.

Journalism I (9, 10, 11, 12)

1 Credit

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This course is designed as an introductory course to those interested in pursuing an eventual position on the newspaper and/or yearbook staff(s). Students are taught the many styles of journalistic writing, such as news, sports, features, and editorials. News gathering, news style, and the law affecting the news media are also covered. Introduction will mainly center around becoming proficient at journalistic writing as well as newspaper and yearbook design. Current trends are followed in learning page makeup as well as a brief historical look at concepts that have endured in page designs. Students can expect tests over style, numerous writing assignments, and graphic design projects. The course will also serve as a secondary source for producing articles for the Viking Mirror newspaper and the Viking yearbook. A short mini-course will be incorporated into the class on usage of the 35-millimeter camera and its function in the journalistic world--in conjunction to this will be training in camera usage and what makes a usable photograph. Students will receive training on the Macintosh computers as applicable to journalism.

Journalism II (10, 11, 12)

1 Credit-**Prerequisite:** Journalism I or Teacher Approval

Students who like to write and are interested in graphic design should consider journalism. This course is designed to cover training in many areas of journalistic production, including the school newspaper and yearbook. Areas of participation include the following: copy writing, art and graphics work, photography, layout, news writing, sports writing, feature writing, editorial writing, page makeup, editing, and proofreading skills. Students must apply for the class and have instructor approval before enrolling. Applications may be obtained from the journalism instructor.

Creative Writing (10, 11, 12)

1/2 Credit

This will be a one-semester class in which students will work on creative writing projects that will include both prose and poetry. Grammar will be taught within the writing process as needed. Portfolios of the students' work will be presented at the semester's end. Available to those who have successfully passed English I and keyboarding and have a sincere desire to write creatively. Students interested in the class must submit a writing portfolio and have approval of the Creative Writing teacher.

Mathematics

Algebra 1A (9, 10, 11, 12)

1 Credit

Algebra IA is a course for students who need to take Algebra I at a slower pace. Algebra IA is a tool for solving problems beyond the scope of arithmetic and is a basic foundation on which higher mathematics builds. This course is a basic study of the structure of algebra including its terminology and notation, concepts, and necessary skills. It emphasizes the use of reasoning skills, precise mathematical language, and the application of algebraic principles in problem-solving. Algebra IA and Algebra IB together comprise a two-year long Algebra I course. In Algebra IA, students will work a full year to cover the first half of the regular Algebra I curriculum. In the following year, in Algebra IB, they will cover the second half of the Algebra I curriculum.

Students will also work to review basic arithmetic skills and the Kansas State Mathematics Standards.

Algebra 1B (10,11,12)

1 CREDIT

Pre-requisite: Algebra IA, or first semester credit in Algebra I

Algebra IB is a course for students who need to take Algebra I at a slower pace. Algebra IB is a tool for solving problems beyond the scope of arithmetic and is a basic foundation on which higher mathematics builds. This course is a basic study of the structure of algebra including its terminology and notation, concepts, and necessary skills. It emphasizes the use of reasoning skills, precise mathematical language, and the application of algebraic principles in problem-solving. Algebra IA and Algebra IB together comprise a two-year long Algebra I course. In Algebra IA, students will work the entire year to cover the first half of the regular Algebra I curriculum. In the following year, in Algebra IB, they will cover the second half of the Algebra I curriculum.

Students will also work to review basic arithmetic skills and the Kansas State Mathematics Standards.

Algebra I (9, 10, 11, 12)

1 Credit

Algebra I is a tool for solving problems beyond the scope of arithmetic and is a basic foundation on which higher mathematics builds. This course is a basic study of the structure of algebra including its terminology and notation, concepts, and

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necessary skills. This course emphasizes the use of reasoning skills, precise mathematical language, and the application of algebraic principles in problem-solving.

Geometry (9, 10, 11, 12)

1 Credit-Prerequisite: Algebra I or Algebra IA and IB

Geometry is a course whose main purpose is to develop an understanding for the nature of deductive proof, the use of definitions, undefined terms, assumptions, theorems, and the system of logic. Geometry will help the student view the interrelationships of algebra, trigonometry and other fields of mathematics.

Algebra II (10, 11, 12)

1 Credit-Prerequisite: Algebra I or Algebra IA and IB

Algebra II is a course designed to review and extend the concepts and skills introduced in Algebra I and to introduce new concepts such as irrational and complex numbers, quadratic functions, equations and numerical methods, matrices, analytic geometry, and exponential and logarithmic functions. It emphasizes the use of reasoning skills, precise mathematical language, data analysis, and the application of algebraic principles in problem solving in real world applications.

Trigonometry/Pre-Calculus (11, 12)

1 Credit-Prerequisite: Algebra II

This fourth year mathematics course is open to juniors or seniors who have completed the necessary prerequisites of Algebra I, Geometry and Algebra II. Topics covered include a review of major algebra concepts, trigonometry, sequences and series, matrices and determinates, and an introduction to analytical geometry and calculus.

Consumer Mathematics (11, 12)

1 Credit-Prerequisite: Algebra 1A and/or 1B

Consumer math is a course for junior and senior students. This course is designed to be of value to students who are considering going out into the business and/or work world immediately after graduation. A review of basic math skills will be part of this course. Using math in the real world will receive major emphasis in this yearlong course. Topics include use of checking and savings accounts, loans, cash and charge purchases, insurance, budgets, taxes, housing costs, and costs of owning and operating an automobile.

HCC College Algebra (11 w/instructor permission, 12)

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1/2 Credit-Prerequisite: Algebra II and requirements as listed within the description below.

This is the college-level Algebra course that is offered when there is an instructor available at our campus. The following is reprinted from the HCC course description manual.

Topics include theory of equations, functions, inverse functions, complex numbers, determinants, and matrices. Prerequisite: Accuplacer Elementary Algebra math test score of 75 or above, or a grade of "C" or better in Intermediate Algebra (MA 105) or equivalent or an ACT math score of 21 and above with a grade of A or B in high school Algebra II.

Music

Band (9, 10, 11, 12)

1 Credit-Prerequisite: Enrollment in band for the entire previous year or instructor permission

Open to all wind and percussion students in grades 9-12. This band performs at concerts, music festivals, athletic events, civic functions and takes occasional trips during the school year. This course is oriented toward performance of high quality band literature ranging from classical to popular as well as encouraging improvement of individual music fundamentals and technical playing skills.

Students are expected to prepare their parts for rehearsals; therefore, outside individual practice is mandatory for participation.

During the fall semester, this band forms a pep band that plays at ALL home football games; as well as parades and pep rallies. During the spring semester, more emphasis is placed upon the concert literature as the band prepares for festivals and contests. Also in the spring, this band forms a pep band that plays for all home varsity basketball games. This is a performance class and a full year course.

Viking Jazz Orchestra

2/5 Credit-Prerequisite: Enrollment in band, audition and/or instructor permission.

This jazz ensemble is open to students who are enrolled in band. The only exception will be for those students who play piano, guitar, and bass. This class meets before school on Monday and Wednesday mornings. This course is designed to introduce students to all phases jazz, including improvisation. This group will make appearances locally, as well as attending contests, clinics, and jazz festivals. Instrumentation for this ensemble will be based upon the standard "big band" format of 5 saxes, 4 trombones, 4 trumpets, piano, guitar, bass, drums and

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auxiliary percussion. This instrumentation may be expanded at the director's discretion. Students are expected to prepare their parts for rehearsals; therefore, outside individual practice is a must to maintain the level of musicianship necessary to perform. This is a performance class and a full year course.

Orchestra (9, 10, 11, 12)

1 Credit

The orchestra provides an opportunity for all string players and a select group of wind and percussion players to study through performance some of the great concert music of the ages. Through careful rehearsal techniques, including special string instruction for those who play stringed instruments, students are encouraged and aided to improve their playing skills in the hope that they will be prepared for a life of musical enjoyment whether they choose to continue playing or not. Extracurricular activities include special string clinics, various solo and ensemble activities, district and state festival groups. Orchestra is open to all string players. Wind and percussion players are selected by ability from the band. There are two string satellite groups within the orchestra. SVHS strings include all strings player. Chamber strings includes string players who do not play band instrument.

Music Theory I (10, 11, 12)

1 Credit

Music Theory I is a study of the basic concepts of theory from the "period of Common Practice," beginning with a study of modes and scales and ending with modulation. Also included is an overview of music history based on listening to important concert music from the various historical periods of music. Regular study of ear training is part of the course. Music theory is for the most serious music student and for the pre-college music major.

Music Theory II (11, 12)

1 Credit-**Prerequisite:** Music Theory I

A continuation of materials learned in Music Theory I. New materials introduced include Neapolitan, Augmented 6, Transposition/orchestration, form and analysis, composition, and arranging. Ear training and sight singing are also included.

Music Technology (10, 11, 12)

1 credit - No prerequisite

This class will focus upon the technology that is the driving force in music today.

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Students in this class will learn how to use basic recording equipment and will record live performances and produce compact discs. Students will also learn to use MIDI, composition software, Garage Band, iPod applications and other industry standard equipment.

Chorus (9)

1 Credit

Enrollment is open to any freshman student wishing to sing. At least minimal vocal ability is required. The class studies proper vocal production and performs music from several periods of history. Chorus will perform at all vocal concerts and at contest. Attendance at concerts is required unless prior permission is obtained from the vocal director. Chorus meets daily. The ability to match pitch is required.

Concert Choir (10, 11, 12)

1 Credit

Choir provides students the opportunity to study and perform fine choral literature from several periods of music history. Emphasis is placed upon correct vocal production and expression. The ability to match pitch is required. Students will be expected to perform in all school concerts/contests throughout the year. Extracurricular activities include solo and ensemble experiences, and district and state festival groups. Enrollment is open to upperclassmen. Choir meets daily.

Madrigals (10, 11, 12)

2/5 Credit

This performing group is selected by audition from the full choir membership. It meets Tuesday and Thursday mornings before school. Madrigals perform a large repertoire of music from all periods of history and includes minimal choreography in some of its performances. Because they perform for numerous school and community events, MEMBERS NEED TO BE PREPARED TO MAKE A COMMITMENT OF EXTRA TIME TO THIS GROUP. It is possible for sophomores to be selected for madrigals.

Physical Education

P.E. \Health (9)

1 Credit

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This course is required of all freshmen. The objectives are:

- Physical fitness, the development of neuromuscular efficiency, body postures and mechanics, and knowledge of one's own health requirements for three days per week.
- The development of an acceptable social and moral character through sportsmanship, self-discipline and respect.
- Socially acceptable standards of emotional expression and control, learning to relate and developing a wholesome standard of "likes" and "dislikes."
- Two days per week will be devoted to a basic study of health as it relates to the individual. First-aid instruction will also be included.

Life Skills (11, 12)

1 Credit

Participation in and knowledge of lifetime activities for students who have taken 9th grade PE is a major objective of this advanced PE class. It is hoped that students will become skillful enough that they will be able to enjoy these activities throughout life. The following is a partial list of activities: tennis, basketball, jogging, volleyball, softball, golf, and many other activities.

Wellness and Weights (10, 11, 12)

1 Credit

The emphasis of this advanced PE class will be the total physical wellness of the student. Areas that will be included in this class are: cardiovascular and muscular development, awareness of maintaining a healthy body, and general body physiology. Both athletes and non-athletes are encouraged to enroll in this class.

Science

Biology (10, 11, 12)

1 Credit

Biology is the study of living organisms. The primary goal is to provide students with an understanding of microorganisms, plants, animals, and their relationships to their environment and each other. Laboratory activities will include dissections, microscope studies, and observations of organisms in a laboratory habitat, simulations and simple chemical reactions. Topics studied include cells, biological organization, chemical reactions, genetics, protists, fungi, plants, animals, environmental studies, and the human body.

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Human Anatomy & Physiology

1 Credit-**Prerequisite:** Biology (11, 12)

Human Anatomy and Physiology is the study of the functions and structures of the systems of the human body. Multimedia activities will enhance the lab activities as well as the learning process for the human anatomy students. Topics include: cells and tissues, organ systems, the senses, blood, immunity, nutrition and metabolism, growth and development, and disorder of the organ systems.

Earth Science (9, 10, 11, 12)

1 Credit

This is a required freshman course for all SVHS students. Earth Science is the study of the Earth, space, and their relationships. Topics include astronomy, geology, plate tectonics, meteorology, and oceanography. The course uses thinking skills, problem solving, demonstrations, discussion, and laboratory activities to help each student understand concepts.

Chemistry (11, 12)

1 Credit-**Prerequisite:** Algebra II or Concurrent Enrollment or Teacher Approval
Chemistry is the science, which deals with the structure and composition of substances and the changes in composition, which these substances undergo. This introductory level course is designed to help students understand concepts and develop skills through the use of problem solving, laboratory work, demonstrations, and class discussions. Topics emphasized are language of chemistry, chemical calculations, organic chemistry, ionization, periodic table, and the mole concept.

Food Science (10, 11, 12)

1 Credit

Food Science is the study of the biology and chemistry of the production, processing, preparation, and use of food. It focuses on food safety and the nutrition of food as well as on scientific laboratory experiments with food products. Food Science is the practical application of science to the familiar topic of food. This class is designed to help students understand basic science concepts as they are applied to food while learning about nutrition and preparation as well. Anyone interested in nutrition or food related careers and science will find that these classes provide a solid base for further studies.

Life Science (10, 11, 12)

1 Credit-**Prerequisite:** Teacher approval.

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Life Science is the study of living things. It is a look into the life processes, sometimes so subtle that they are seldom noticed, that go on around us all the time. This class explores the diversity of living things. Students will learn about animals, from the simplest-the sponges-to the most complex-humans-and about plants and many of their forms. Through laboratory activities students will experience the structures, systems, and processes that define life.

Physics (11, 12)

1 Credit-Prerequisite: Algebra II or concurrent enrollment or Teacher approval. Physics is the science that examines the relationships between matter and energy basic to all other sciences. This introductory course is designed to help students understand these relationships through the use of problem solving, laboratory work, demonstrations, and class discussions. Topics emphasized are measurement and the language of physics, straight line and two dimensional motion, vectors, forces, momentum and its conservation, universal gravitation, work and power, energy and its conservation, states of matter, waves and energy transfer, sound, light, electricity and magnetism, and atomic and nuclear concepts.

Social Science

The Civil War (11, 12)

1/2 Credit-This class is open to juniors and seniors only

This class would explore the cause for the war, the two different cultures that developed in the north and south, the major figures and campaigns of the war. Other possible topics would be a soldier's life, spies, prison camps, and the assassination of Lincoln. The course will be taught through lecture, supplementary reading, and visual aids. No textbooks would be issued. One paperback book would need to be bought and the students themselves will buy this. A research paper will be part of the class requirements.

20th Century America (10, 11, 12)

1/2 Credit

20th Century America is a semester course designed to study the people and events that have shaped our world in this century. The structure of the class will be to look at the development and progression of our world in a decade-by-decade analysis, i.e. 1900-1910, 1910-1920, 20's, 30's, etc. Through lecture, individual reports, interviews, readings, and group projects students will have the opportunity to study key events, trends, and people that have made a significant impact on the

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world during this century.

The American West (10, 11, 12)

1/2 Credit

One of the most colorful time periods in the history of the United States in that era that deals with the events concerning the American West. There is much more to it than just cowboys and Indians, but they are an important part. There is no text with this class. Resources for this topic are countless. Outside readings, films, lectures and field trips will all be used to cover the material.

World History (10, 11, 12)

1 Credit

World History provides for the study of the economic, social, and political development of humans from the dawn of history to modern times. The primary purpose of this course is to further expand the student's citizenship education and develop an appreciation and understanding of the people and events that have shaped our planet.

The Vietnam Era (11, 12)

1/2 Credit **Students are required to purchase the book "Waiting Wives" for this class**

This course will offer the student an opportunity to examine the historical and literary aspects of the Vietnam War era, with special attention being given to the involvement and contributions of Americans. Lectures, readings, guest speakers and research will be incorporated into its curriculum design. The course will be intense and therefore junior and senior students who have a keen interest in the topic should enroll in this class.

American Government (12)

1 Credit

American Government is an in-depth study of the American democratic system. Study consists of the foundations of the governmental system, citizenship, and civil rights, politics, congress, the courts, the presidency, and State and local government. Concentration on problems in American government is inculcated throughout the year with a liberal sprinkling of current affairs as related to national, State, and local issues. Guest speakers, videotape and possible field trips are incorporated into this class.

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American History (11)

1 Credit

The purpose of this course is to provide students with a comprehensive look at the growth and development of the United States, and to provide them with a better understanding of the forces and people that have shaped and influenced this growth for over 200 years. Emphasis will be placed on helping students attain those social studies skills that are necessary to a real understanding and appreciation of American History. The course is divided into eight chronological units beginning with the earliest settlements in North America, and ending with present people and events that are shaping our nation today.

American History Plus (11)

1 Credit-**Prerequisite:** Counselor and Teacher Approval

American History Plus is designed for students who have an interest in history and for those who feel they would benefit from taking a collegiate-style lecture course. Numerous readings will be assigned that go along with the material that will be covered in class. There are three main objectives for the course: 1. To develop a sense of pride and patriotism by studying our nation's past and various personalities who were involved; 2. To analyze specific events in American History, both positive and negative, with regard to our country's past and develop an understanding of how these events affect our lives today; 3. To help students develop an appreciation and understanding for various methods of research that will be used in completing a project for the class.

Current Events (9-12)

1/2 Credit

This is a semester course that will study current events from a geographical and humanitarian point of view. The course will consist of:

9 weeks: Current events and local geography

9 weeks: Current events and world geography

HCC Psychology (11-12)

1/2 Credit

The following was reprinted from the HCC course manual in relation to this course. This is generally offered in the fall of the year.

A survey of the fundamental principles of behavior, including physiological, perceptual, historical, methodological, learning, memory, developmental, motivational, emotional, social and applied perspectives.

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HCC Sociology

1/2 Credit

The following was reprinted from the HCC course manual in relation to this course. This is generally offered in the spring of the year.

Development and interaction of the individual in society with consideration of the culture, structures and functions societies, social groups and institution and emphasis on social interaction and its relation to personality and human action.

Vo-Tech Offerings/ Information

Note: Students from SVHS that are planning on attending the Salina Area Technical School MUST PAY A PROGRAM FEE IN THE SPRING OF THE YEAR TO HOLD THEIR SPOT IN THE SCHOOL FOR THE FOLLOWING FALL. THIS IS NOT DONE BY SVHS PERSONNEL, RATHER MUST BE DONE BY THE STUDENT AND/OR PARENT. PRE-ENROLLING AT Smoky Valley High School DOES NOT RESERVER YOUR SPOT AT THE VO-TECH. SEE MR. STANDRIDGE FOR DETAILS.

LOCATION

*Salina Area Technical School
High School Information Catalog
2562 Centennial Road, Salina, KS
1-800-466-7989 or 1-785-309-3100*

ATTENDANCE POLICY

It is the student's responsibility to attend classes regularly, to be on time, and to be ready to start his or her school day after the instructor calls roll. If a student is absent, he or she is required to provide the instructor with an explanation for the absence. In cases of extended absence, a student may provide documentation to the Student Services Office.

A student who is absent for five consecutive days will automatically be withdrawn from all classes.

If a student misses eight or more days during one semester, a meeting will be scheduled between the student and the SATS Assistant Director. The purposed of the meeting will be to review the student's absences and to write a plan for

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future attendance. If the student fails to comply with the terms of a written attendance plan, the student will receive notice of expulsion or extended suspension. The student may appeal the notice of expulsion or extended suspension by submitting a written request for hearing to the SAT Director. The student will be permitted to attend class while such an appeal is pending.

A student is not required to attend SAT if the school district in the student's home community is closed because of inclement weather.

PROBATION AND DISMISSAL

A student may be placed on probation, suspension or expulsion. (Refer to the U.S.D. #305 Board Policy Manual of Probation JDC, JDC-R, JDD, and JDD-R).

CONDITION OF PROBATION

Student with less than a C (2.0) average at the end of the quarter will be placed on academic probation for the following quarter. If the student fails to meet the academic or attendance standard during the probationary quarter, they will be subject to expulsion for one full semester. Students wishing to re-enter a program will be able to do so on a probationary status.

GENERAL INFORMATION

The following technical programs are open to high school students at the Salina Area Technical School (SATS):

Applied Electronic Technology11&12
Auto Body Technology11&12
Automotive Technology11
Business & Computer11&12
Commercial & Advertising Art 11 & 12
Landscape Design/Greenhouse Mgt	11 & 12
Computer Aided Drafting (CAD)	11 & 12
Construction Trades 11 & 12
Diesel Technology11
Machine Shop 11 & 12
HVAC 11 & 12
Welding Technology 11 & 12

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High School students who plan to enroll in SATS technical programs should contact their high school counselor. Applicants must submit a written application along with campus/program fees to SATS. Applications are considered on a first come, first serve basis.

All programs are non-discriminatory and are open to students regardless of sex, race, religion, ethnic background, origin or marital status.

CREDITS AND HOURS

Each program offers different credits. Class times vary from one department to another. Contact your high school counselor or SATS for specific information regarding credits and time.

SCHOOL FEES

Campus/Program fees for high school students vary by department, ranging from \$120-\$180. Contact your high school counselor or SATS for specific information.

GRADING SYSTEM

Student grades will be based on the following:

The percentage system is used and listed below, showing the letter grade that corresponds with the percentage grade. The letter grade will appear on the student's work, grade card, and transcript.

Percentage	Letter Grade
90-100	A
80-89	B
70-79	C
60-69	D
59-and below	F

UNIFORMS

Students may order uniforms from vendors listed by SATS Student Services. High School students are required to purchase two sets of work uniforms except for students enrolled in Applied Electronic Technology, Business and Computer Technology, Computer Aided Drafting, Commercial and Advertising Art, Landscape Design/Greenhouse Mgt., and Construction Trades.

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TOOLS

Students may use their own hand tools and toolboxes, provided they meet the instructors approval. Tool lists for each department are available from SATS Student Services. Students may purchase tools from approved vendors at a substantial discount. A limited number of toolsets are available for rent from SATS.

TEXTBOOKS

Students are required to purchase required textbooks during the first two weeks of the school year. Book lists are available from SATS Student Services.

COURSE DESCRIPTIONS

APPLIED ELECTRONIC TECHNOLOGY

Open to Grades: 11 - 12

This course introduces students to terminology, symbols, schematic diagrams, soldering, circuit construction, test procedures, power supplies, amplifiers oscillators, & pulse circuits. Computer based modular training is used to give students hands-on experience testing and trouble shooting electronic circuits and components.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 2314 hours of the regular Applied Electronic Technology program.

AUTO BODY TECHNOLOGY

Open to Grade: 11-12

The program offers instruction in automotive body repair and painting using the latest frame straightening technology and fresh-air painting equipment. Students learn to use hand and power tools for metal working, filling, dents, welding, refinishing and spot repair, replacing parts, and repairing automotive doors and windows. Students also learn about cost estimates, insurance claims procedures and shop safety.

Additional training is also available from the Inter-Industry Conference on Auto Collision Repair (I-Car) in the areas of collision, plastic repair and finish matching. Tools, uniforms and books are required.

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High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 1157 hours of the regular Auto Body Technology program.

AUTOMOTIVE TECHNOLOGY

Open to Grades: 11

This program prepares students to enter the work force as automotive technicians. Training consists of an extensive overview of standard and automatic transmissions, wheel alignment, power and standard brakes, differential and suspension overhaul, tune-up, overdrives, power steering, driveline, wheel balance, and major and minor overhaul. Starters, generators, carburetors, alternators, fuel pumps, batteries and other automotive components are also included. Students are trained to service and repair domestic, foreign, old, new, simple and complex vehicles. Books are required.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 1735 hours of the regular Automotive Technology program.

BUSINESS & COMPUTER TECHNOLOGY

Open to Grade: 11-12

This program is computer intensive in the first step to careers in a variety of business and support environments. Successful completion of this program will allow high school students who return to the regular program to complete their training in one semester.

Both hard and soft skills are emphasized. Hard skills such as keyboarding, computer skills, standard office equipment, record management, and accounting are taught. Secondly, soft skills such as teamwork, networking, organization, time management, problem solving, and learning to learn on your own are emphasized.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 1157 hours of the regular Business & Computer Technology program.

COMMERCIAL & ADVERTISING ART

Open to Grades: 11 - 12

This program is on the creative and technical skills involved in commercial and advertising art production. This program enables students to gain experience in

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the commercial art field. Areas covered are lettering, technical and perspective drawing, design theory, color theory, advanced approaches to illustration techniques and medias, computer graphics, advertising and printing production as well as social and business considerations of advertising art. Successful completion of this program will allow high school students who return to the post high program first semester of advanced placement. Completion of the complete commercial art program will provide students with a professional portfolio of art work, geared toward the areas available in this field. Tools may be rented for this course.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 2314 hours of the regular Commercial & Advertising Art program.

COMPUTER AIDED DRAFTING (CAD)

Open to Grades: 11 - 12

This program offers instruction in the areas of mechanics, structural steel, architectural, and process pipe drafting. Students learn all aspects of drafting using the latest version of AutoCAD application such as 3-D modeling and menu customization after completion of required course work. Students who completed previous drafting courses in high school are evaluated and placed in the course according to their ability.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 1157 hours of the regular Computer Aided Drafting program.

LANDSCAPE DESIGN/GREENHOUSE MGT.

Open to Grades: 11 - 12

This program offers instruction in identification of plants, basic soil science, landscape design, turfgrass identification and maintenance, pest control, greenhouse construction, bedding plant production, pesticide safety, and the training necessary to prepare for the Certified Applicators Exam. Tools and books are required.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 1157 hours of the regular Landscape Design/Greenhouse Mgt. program.

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CONSTRUCTION TRADES

Open to Grades: 11 - 12

This program is designed to prepare students for employment in the construction industry. This program follows industry standards established by the Associated General Contractors of America. This is a multi-craft program and provides instruction and training in structural framing, exterior & interior finishing, concrete forming/masonry, brick & block laying.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 1157 hours of the regular Construction Trades program.

DIESEL TECHNOLOGY

Open to Grade: 11

This program trains the student in eight areas including basic engines, transmissions, torque converters, brake systems, hydraulics, electrical systems, engine overhaul, and fuel systems. Students learn to service, troubleshoot, diagnose and repair diesel engine-powered equipment. Diesel Technology is Master Certified by the National Institute for Automotive Service Excellence (ASE). Tools, uniforms, and books are required.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 2314 hours of the regular Diesel Technology program.

MACHINE SHOP

Open to Grades: 11 - 12

This program prepares individuals for employment as machine tool operators. This course includes shop safety, blueprint reading, precision measurement, engine lathe operation, milling machine operation, and CNC machining fundamentals.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 1157 hours of the regular Machine Shop program.

HVAC

Open to Grades: 11 - 12

This program offers principles of refrigeration, installation, operation, analyzing, adjusting, and repairing refrigeration units, air-conditioning systems, heating systems, and small appliance repair. Students receive instruction in both domestic and commercial equipment. Tools, uniforms, and books are required. High school

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students will receive credit for satisfactorily completed hours. These hours will be applied to the 1157 hours of the regular HVAC program.

WELDING TECHNOLOGY

Open to Grades: 11 - 12

This program provides instruction in arc, oxyacetylene, MIG, TIG, soldering, brazing, fabrication, spot welding, machine cutting, beveling, robotics, plate testing, and safety procedures. Students are taught standard industrial welding processes and are introduced to the more modern types of welding. Instruction is provided in the operation of power shears, brake rolls, and power roll shears. Blueprint reading and layout techniques for welders are included in the training program.

High school students will receive credit for satisfactorily completed hours. These hours will be applied to the 1157 hours of the regular Welding Technology program.