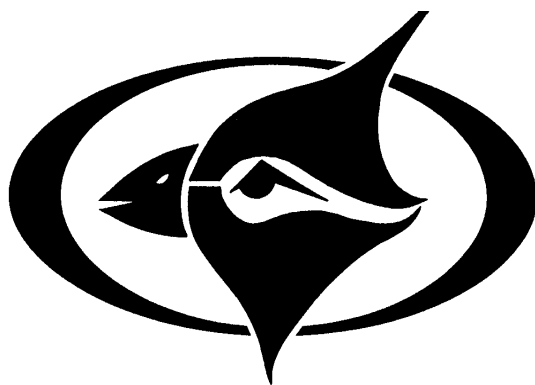


Sabetha

High School



Education Planner
&
Course Descriptions

2010-2011

Sabetha High School

Education Planner & Course Descriptions

Table of Contents

Graduation Requirements	3
Qualified Admissions-PreCollege Curriculum	3
State Scholarship Programs-PreCollege Curriculum	3
Student Grade Level Classification	4
Schedule Changes	4
Agriculture Education	4
Business	5
Fine Arts	6
Foreign Language	7
Industrial Arts	7
Language Arts	8
Mathematics	10
Physical Education and Recreation	11
Science	12
Social Studies	13
Technology	14
Other Education Opportunities	14

GRADUATION REQUIREMENTS

Sabetha Unified School District #441 requires twenty-seven (27) units of credit for graduation. Each student in grades 9-12 must enroll in a minimum of eight (8) units of credit each year unless classified as a "SPECIAL STUDENT."

Classes of 2011 and Beyond

Listed below are the seventeen (17) required credits of the twenty-seven (27) needed for graduation. Additional units of credit are considered to be "electives."

Language Arts – 4 units required. This shall include the successful completion of English 1, English 2, and English 3.

Mathematics – 3 units required.

Natural Science – 3 units required. This shall include the successful completion of General Science.

Social Science – 3 units required. This shall include the successful completion of one unit of World History, one unit of American History, and one unit of American Government. During the senior year, a student must be enrolled in at least ½ unit of social science.

Business/Technology – 2 units required. This shall include the successful completion of one unit of Computer Applications I, one-half unit of Computer Applications II and one-half unit of Personal Finance.

Fine Arts– 1 unit required.

Physical Education – 1 unit required. All students must successfully complete one unit of Physical Education I.

QUALIFIED ADMISSIONS – PRECOLLEGE CURRICULUM KANSAS BOARD OF REGENTS

As of the fall semester of 2001, high school graduates must now qualify for admission to any of the six Kansas Board of Regents universities. To do so, students must meet one of the following requirements:

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

Students choosing to complete the Qualified Admissions curriculum must adhere to the following requirements:

English – 4 units required. Students must take at least one unit of English for each year of high school. **SHS seniors must enroll in Advanced Composition or English 4.**

Mathematics – 3 units required. For students graduating in 2010 and thereafter, three approved units are required in high school and selected from Algebra 1, Geometry, Algebra 2, and any math course that has Algebra 2 as a prerequisite. Three (3) units of high school math credits must be completed above the Algebra 1 level if Algebra 1 was taken during the 8th grade.

Natural Science – 3 units required. Science credits must include three units chosen from biology, advanced biology, chemistry, physical/earth/space science, and/or physics. At least one unit must be in chemistry or physics.

Social Science – 3 units required. Students must complete one unit of United States history, one-half unit of United States government, one-half unit selected from world history, world geography or international relations, and one-half unit selected from one or more courses in psychology, economics, US government, US history, current social issues, sociology, anthropology, and/or race and ethnic group relations.

Foreign Language – Recommended but not required

STATE SCHOLARSHIP PROGRAMS – PRECOLLEGE CURRICULUM KANSAS BOARD OF REGENTS "KANSAS SCHOLARS PROGRAM"

English – 4 units required. Students must take at least one unit of English for each year of high school; including Advanced Composition or English 4.

Mathematics – 4 units required. Students are required to complete one unit of Algebra 1, Geometry, Algebra 2, and one unit of advanced mathematics beyond Algebra 2 selected from analytic geometry, trigonometry, advanced algebra, probability and statistics, functions or calculus. Algebra 1 in 8th grade is accepted for Kansas Scholars Curriculum.

Natural Science – 3 units required. Completed courses **must** include biology, chemistry, **and** physics.

Social Science – 3 units required. Same as Qualified Admissions.

Foreign Language – 2 units required. Students are required to complete two high school units in one foreign language.

STUDENT GRADE LEVEL CLASSIFICATION

In August of each year, students will be classified as grade level 9-12 based on having earned the following minimum number of credits:

Grade 9	0 Credits
Grade 10	5 Credits
Grade 11	11 Credits
Grade 12	19 Credits

SCHEDULE CHANGES

All schedule changes must be completed by the end of the third school day of the semester.

Students wishing to change classes should make such a request to the principal or counselor and state their reasons for the request in addition to completing all necessary paperwork. Permission for the change must be given by the teacher of the new class to be taken, the instructor of the course being dropped, parents and administration.

COURSE DESCRIPTIONS

AGRICULTURE EDUCATION

AG1104 AGRISCIENCE (9-12)

Course Description: Introduction to the agriculture industry, a must “starter” course for students that want to be active and successful in the Sabetha FFA Organization. Includes units in animal science, plant science, soil science, agribusiness/record keeping, supervised agricultural experience projects, agriculture mechanics, leadership, FFA Organization and more. Focused on learning the basics of the whole industry and exploration of many areas.

Duration/Credit: Year/1.0

AG1105 AGRIBUSINESS (10-12)

Prerequisite: None required, Agriscience recommended.

Course Description: An exploration of business management specializing and focused on agricultural applications. Units covered in this course include; leadership, agricultural business management, supervised agricultural experience projects, record keeping, entrepreneurship and agricultural issues.

Duration/Credit: Year/1.0

AG1106 PLANT & SOIL SCIENCE (10-12)

Prerequisite: None required, Agriscience recommended.

Course Description: A course that will teach students the practical knowledge and skills needed to successfully manage plants and soil resources. Units covered in this course include: leadership, integrated pest management, plant physiology, soil science & evaluation, supervised agricultural experience projects, record keeping, crop production, floriculture, greenhouse and/or nursery management, landscape design, construction and maintenance.

Duration/Credit: Year/1.0

SCI601 ANIMAL SCIENCE (10-12) See Science Section

AG1110 AG. MECHANICS (10-12)

Prerequisite: None required, Agriscience recommended.

Course Description: This course has been designed with the purpose of introducing students to the basic principles of agricultural mechanics. This course will provide students with instruction in technical and basic concepts as well as hands on practical application and practice. Units you will receive instruction in include: career exploration, safety & shop management, shielded metal arc welding

(Arc), oxyacetylene heating, cutting, brazing & welding, plasma arc cutting, hand woodworking & metalworking, power tool use, gas metal arc welding (MIG), project planning, painting, electricity, plumbing, concrete & masonry, agricultural structures, supervised agricultural experience projects and record keeping.

Duration/Credit: Year/1.0

AG1111 ADV AG. MECHANICS (11-12)

Prerequisite: Ag. Mechanics

Course Description: This course focuses on advanced development of fabrication and construction skills established in Ag. Mechanics. Students must be prepared to provide their own projects. Other topics to be covered will include: metallurgy, career exploration, metal lathe work, tungsten inert gas welding (TIG), supervised agricultural experience projects and record keeping.

Duration/Credit: Year/1.0

AG1102 WILDLIFE & NATURAL RESOURCES MANAGEMENT (10-12)

Prerequisite: None required, Agriscience recommended

Course Description: An exploration into such subjects as; the history of wildlife conservation in America, history of modern wildlife and fisheries management, the financing of wildlife conservation in America, natural resource management, wildlife habitat requirements and wildlife identification. This is a good foundation course for any student interested in wildlife, conservation or natural resources.

Duration/Credit: Year/1.0

BUSINESS

BUS304 ACCOUNTING 1 (10-12)

Course Description: Prepares a person to understand the concepts needed to make good business decisions and keep up-to-date financial records. Students will learn how to plan, keep, analyze, and interpret financial records.

Duration/Credit: Year/1.0

BUS305 COMPUTERIZED ACCOUNTING 2 (11-12)

Course Description: This course is a continuation of Accounting I, but goes into more detail. It also offers accounting procedures used by partnerships and corporations on the computer.

Duration/Credit: Year/1.0

BUS308 PERSONAL FINANCE (10-12) (Required)

Course Description: This course will place an emphasis on the financial surroundings of students when they graduate. Students will be introduced to keys on getting a job and securing it. They will learn about how the U.S. economy works and the roles they will play. Special emphasis will be centered on using credit and investing money.

Duration/Credit: Semester/0.5

BUS310 ENTREPRENEURSHIP (9-12)

Course Description: You will be taken on a step-by-step journey through the entire process of owning your own business. The class will visit businesses in town monthly and see first-hand the keys of running a successful business.

Duration/Credit: Year/1.0

BUS311 COMPUTER APPLICATIONS I (9-12) (Required)

Course Description: Computer Applications I is a lab-oriented course providing practical application of technology in a project driven environment. Specific contents of this course will be updated annually to provide for technological advancements. Students will be able to demonstrate the use of problem-solving techniques, integrate technology across the curriculum, and demonstrate skills in word processing, presentation, photo editing, desktop publishing, web page design and internet applications.

Duration/Credit: Year/1.0

BUS312 COMPUTER APPLICATIONS II (10-12) (Required)

Prerequisite: Computer Applications I

Course Description: This course will review Word and PowerPoint 2000. Excel and Access 2000 will be introduced as students create newsletter publications, worksheets, PowerPoint presentations and Access databases.

Duration/Credit: Semester/0.5

FINE ARTS

FA901 ART 1 (9-12)

Course Description: This course is an introduction to art appreciation and the elements of design as they apply to various techniques and mediums. The first semester focuses on the techniques and elements crucial to design, drawing and painting. This builds an artist's understanding and foundations for all areas of art. The second semester deals with printmaking, pottery, and drawing styles. Art history is also covered in both semesters. Because of the information intensive units covered in the first semester, a student cannot newly enroll in second semester Art 1.

Duration/Credit: Year/1.0

FA902 COMMERCIAL ART (ART 2) (10-12)

Prerequisite: Art 1

Course Description: This course will review the elements of design and introduce the principles of design. Commercial design will be the primary focus. Fine art projects and art history will also be covered in this program.

Duration/Credit: Year/1.0

FA903 ART 3 (11-12)

Prerequisite: Art 1, Art 2

Course Description: The student will master design basics and begin semi-independent and in-depth work in a variety of mediums. Art history, movements and styles will be studied.

Duration/Credit: Year/1.0

FA904 ART 4 (12)

Prerequisite: Art 1, 2, and 3

Course Description: This course will encourage the student to explore art styles, movements and techniques in order to develop a personal style of their own. Creative concepts and compositional problems are covered. Opportunities for independent study of mediums and techniques will be provided in the second semester of this course.

Duration/Credit: Year/1.0

FA910 BAND (9-12)

Course Description: Band is offered to all students who have previously studied an instrument for this medium. Students will study and participate in Marching Band during football season, Pep Band during basketball season and Concert Band throughout the year. The band travels to a number of different events throughout the year as well as working with different clinicians and artists. Students are expected to perform outside of the normal school day.

Duration/Credit: Year/1.0

FA912 CONCERT CHOIR (9-12)

Course Description: Concert Choir is a performing choir open to all students. While in this class students will sing and acquire knowledge of notation and performance techniques for better ensemble singing. This choir will explore many styles and periods of music. Concert choir will participate in school concerts and contests. There is some cost and students may be required to perform outside the school day for special rehearsals or community groups.

Duration/Credit: Year/1.0

FA913 ODYSSEY SINGERS (9-12 by audition)

Course Description: Odyssey is a select performing choir that will further develop the singer's knowledge of reading music and excellence in performance techniques. This choir will explore many styles and periods of music while students develop an understanding of and ability to produce many of these musical styles. Odyssey performs for school concerts, community groups and regional and state contests. There is travel and cost involved for the students.

Duration/Credit: Year/1.0

FA916 CHANTEE (9-12 by audition)

Course Description: Chanteé is a select performing choir for women that will further develop the singer's knowledge of reading music and excellence in performance techniques. This choir will explore many styles and periods of music while students develop an understanding of and ability to produce many of these musical styles. Chanteé performs for school concerts, community groups and regional and state contests. There is travel and cost involved for the students.

Duration/Credit: Year/1.0

LA124/LA125 DRAMA/ADVANCED DRAMA (10-12)

Course Description: Students will cover the history of the theatre, participate in units of acting, directing, and technical involvement with make-up, set design, costume design, and lighting. This will not count as an English credit for the Kansas Board of Regents

Qualified Admissions:

Duration/Credit: Semester/0.5

LA126/LA127 FORENSICS/ADVANCED FORENSICS (9-12)

Course Description: Units will cover finding material, cutting material, practicing, and performing. Categories of events include poetry reading, prose reading (short stories), solo acting (humorous or dramatic), duet acting (humorous or dramatic), improvised duet acting, extemporaneous speaking, informative speaking, persuasive speaking, and one act plays. Students will be required to participate at some Forensic Tournaments on Saturdays. This will not count as an English credit for the Kansas Board of Regents

Qualified Admissions

Duration/Credit: Semester/0.5

FOREIGN LANGUAGE

FL1001 SPANISH 1 (9-12)

Course Description: This introduction to Spanish as a second language involves a study of basic vocabulary, grammar, speaking, listening, and writing skills. Also included is a study of the culture, music, food, and geography of the Spanish-speaking world. Students will be expected to practice the language both in and out of class and should expect projects and daily homework assignments.

Duration/Credit: Year/1.0

FL1002 SPANISH 2 (10-12)

Prerequisite: Spanish 1

Course Description: A continuation and expansion of the vocabulary and grammar learned in Spanish 1. Students are introduced to more difficult grammatical concepts, including past tenses, and are exposed to more in-depth culture. Students will be expected to practice the language both in and out of class and should expect projects and daily homework assignments.

Duration/Credit: Year/1.0

FL1008 FRENCH 1 (10-12)

Prerequisite: Students must have a cumulative English gpa of 2.0 or higher.

Course Description: French 1 involves the interactive study of language, the culture and the history of Francophone countries. Throughout this course, students will demonstrate increasing language and literacy skills, as well an appreciation of the people and culture of French-speaking countries and parts of the world including Canada, France, Haiti, Africa, Belgium and other francophones. Students will be expected to practice both writing, listening, speaking and recording in French during class sessions and beyond.

Duration/Credit: Year/1.0

FL1009 FRENCH 2 (11-12)

Prerequisite: French 1 (passing both semesters)

Course Description: French 2 continues with an interactive study of the language, the culture and the history of Francophone countries. Students will work to achieve mastery of basic spoken and written French through a variety of activities that will include reading and discussing French novels, as well as viewing and critiquing French films. Intensive grammar study will require daily target language use in class through writing, listening, viewing, speaking and recording in French. Some outside of class assignments will include independent recording responsibilities. Primary Language Spoken: French.

Duration/Credit: Year/1.0

INDUSTRIAL ARTS

IA816/IA817/IA818 CABINETMAKING & FURNITURE DESIGN 1, 2, 3 (9-12)

Course Description: The beginning course in woodworking, Cabinetmaking & Furniture Design 1, is the prerequisite for the other subsequent classes offered. It is a comprehensive course designed to instruct students in the basic knowledge and skills required for cabinetmaking and furniture design. Levels 2 and 3 are advanced application courses designed to provide students with experience in constructing cases, cabinets, counters, furniture and interior woodwork.

Duration/Credit: Year/1.0

IA814 RESIDENTIAL CARPENTRY 1 (10-12)

Prerequisite: Cabinetmaking & Furniture Design I

Course Description: A comprehensive course designed to instruct students in the basic knowledge and skills required for construction of residential structures.

Duration/Credit: Year/1.0

IA813 DRAFTING (Architectural & Mechanical) (9-12)

Course Description: An introductory course designed to expose students to both architectural and mechanical (technical) drafting skills.

Duration/Credit: Semester/0.5

IA808 DRAFTING 1 (9-12)

Course Description: This course prepares students to understand the concepts of drafting through the use of drafting equipment and CAD software. The student will develop a degree of skill and knowledge through working out problems and then drawing them using the drafting board, equipment and CAD computer. This counts as a technology credit.

Duration/Credit: Year/1.0

IA809 DRAFTING 2 (10-12)

Prerequisite: Drafting 1

Course Description: This course prepares students to understand the concepts of drafting through the use of drafting equipment and CAD (Computer Aided Drafting) software.

Duration/Credit: Year/1.0

IA810/IA811 DRAFTING 3/4 (11/12)

Prerequisite: Drafting 1 and Drafting 2

Course Description: This course prepares students to understand the concepts of drafting through the use of drafting equipment and CAD software. Review of Drafting 1 and 2 concepts. The student will develop a degree of skill and knowledge through working out problems and drawing them, using drafting equipment and CAD software. Screws and bolts, house plans, floor plans, wall sections, elevations, plot plan and door and window schedule will be covered.

Duration/Credit: Year/1.0

LANGUAGE ARTS

LA101 ENGLISH 1 (Required: 9)

Course Description: This course will provide students many opportunities to improve upon their reading, writing, and articulation skills. Student outcomes include literature, writing, grammar, vocabulary, public speaking, research, and novel reading.

Literature: Students will delve into short stories, approximately one novel every four weeks, poetry, essays, and Greek and Roman mythology. Shakespeare's *Romeo and Juliet* will be introduced and studied during third quarter. Novels include *A Day No Pigs Would Die*, *Seedfolks*, *Wish You Well*, *Please Stop laughing At Me* and *A Long Way Home*. Students will also continue to perfect their understanding of literary terms and devices.

Writing: Students will work on expository, narrative, and persuasive writing. All formal work will be graded using six-trait writing. In addition, students will be expected to maintain a journal. A research project using technical writing will be required.

Grammar, Usage, Spelling: Students will continue their exposure and mastery of all areas of grammar, punctuation, and spelling. Daily grammar exercises will be required. Grammar quizzes will be a regular part of the testing regime in this class.

Vocabulary: Students will enrich their vocabularies by practicing and using new words. New vocabulary words will be tested at the end of each quarter.

Research: Students will have the opportunity to research topics in the library, thus enriching their understanding of where and how to find the necessary information. At least one research project will be completed.

Public Speaking: Students will be asked to become more familiar with reading and speaking in front of others. Expectations for students will include at least one presentation and reading aloud from *Romeo and Juliet*.

Duration/Credit: Year/1.0

LA102 ENGLISH 2 (Required: 10)

Course Description: This course focuses on literature, grammar, writing and vocabulary.

Duration/Credit: Year/1.0

LA103 ENGLISH 3 (Required: 11)

Course Description: This course reviews grammar usage and stresses composition usage and vocabulary development. The class will focus on the following areas:

First Quarter: Persuasive Essays (Persuasive, Motivational, Sales, Order of Importance, and Position)

Second Quarter: Position Research Paper

Third Quarter: Examining Changes, Classification, Comparison/Contrast, Character Analysis, Parody/Satire, Memoir

Fourth Quarter: Pictorial Essay, Oral History, Opinion Poll/Organizational Chart, Genealogical Research/Family Tree, Business Letter, Song Lyric, Senior Spotlight

English III literature is centered on American literature. Novels will include: *The Scarlet Letter*, *The Red Badge of Courage*, *The Adventures of Huckleberry Finn*, *The Good Earth*, *My Antonia*, *The Great Gatsby*, and *A Midsummer Night's Dream*.

Duration/Credit: Year/1.0

LA104 ENGLISH 4 (12)

Course Description: This course will provide students many opportunities to master their reading, writing, and articulation skills. Student outcomes include literature, writing, grammar, vocabulary, public speaking, research, and novel reading.

Literature: British literature, with the exception of some select novels, will be primarily the focus for senior English. Several novels will be read and discussed.

Writing: Students will work on expository, narrative, and persuasive writing, with the intention of focusing on writing that has real world application. Students will also write a daily journal to practice their writing skills. A research project will be required.

Grammar, Usage, Spelling: Students will continue their mastery of all areas of grammar, punctuation, and spelling. Daily grammar exercises will be required. Grammar quizzes will be a regular part of the testing regime in this class.

Vocabulary: Students will enrich their vocabularies by practicing and using new words. New vocabulary words and Latin root words will be given with quizzes over the material occurring weekly.

Research: Students will have the opportunity to research topics in the library, thus enriching their understanding of where and how to find the necessary information.

Public Speaking: Students will be asked to become more familiar with reading and speaking in front of others. Expectations include at least one presentation and reading aloud from *Macbeth*.

Duration/Credit: Year/1.0

LA105 ADVANCED COMPOSITION (12) **Dual Credit** through Highland Comm. College

Course Description: This course will challenge you in ways an English class may not have challenged you before. You will not only hone the tools necessary to be successful in college, but you will read and respond to literature, learn to speak effectively in front of others, research, read for enjoyment, and write numerous papers.

Literature: British and American literature, with the exception of some select novels, will be primarily the focus for senior English. Literature includes *Beowulf*, *The Canterbury Tales*, and *Othello*. Students will read approximately one book per month. Novel titles include *Lord of the Flies*, *Animal Farm*, *Night*, *Dawn, 1984*, *Death be not Proud*, and others.

Writing: In addition to expository, narrative, and persuasive writing, students will prepare an admissions/scholarship essay for college.

Grammar, Usage, Spelling: Students will continue their mastery of all areas of grammar, punctuation, and spelling. By the end of the first semester, students should have the skills to 'quiz out' of grammar.

Vocabulary: Students will enrich their vocabularies by practicing and using new words. New vocabulary words and Latin root words will be given each day, with tests over the material occurring quarterly.

Research: Students will have the opportunity to research topics in the library, thus enriching their understanding of where and how to find the necessary information. Students will have one research project per quarter.

Public Speaking: Students will be asked to become more familiar with reading and speaking in front of others. Expectations include one or two speeches and several presentations.

Duration/Credit: Year/1.0

LA122 PUBLIC SPEAKING (11-12) **Dual Credit** through Highland Comm. College

Course Description: The purpose of this course is to increase student understanding of the principles and applications of public speaking through analysis and practice in the areas of communication theory, topic selection, audience analysis, research, use of support materials, content organization, presentation, and evaluation of a variety of speeches. Students will present individual speeches, as well as group discussion and activities, and debates.

Speaking Competencies

- A. Determine the purpose of oral discourse
- B. Choose a topic and restrict it according to the purpose and the audience
- C. Fulfill the purpose of oral discourse by:
 1. Formulating a thesis statement
 2. Providing adequate support material
 3. Selecting a suitable organizational pattern
 4. Demonstrating careful choice of words
 5. Providing effective transitions
- D. Employ vocal variety in rate, pitch, and intensity
- E. Articulate clearly

- F. Employ language appropriate to the designated audience
- G. Demonstrate nonverbal behavior that supports the verbal message

Duration/Credit: Semester/0.5

LA124/LA125 DRAMA/ADVANCED DRAMA (10-12)

Course Description: Students will cover the history of the theatre, participate in units of acting, directing, and technical involvement with make-up, set design, costume design, and lighting. This will not count as an English credit for the Kansas Board of Regents

Qualified Admissions

Duration/Credit: Semester/0.5

LA126/LA127 FORENSICS/ADVANCED FORENSICS (9-12)

Course Description: Units will cover finding material, cutting material, practicing, and performing. Categories of events include poetry reading, prose reading (short stories), solo acting (humorous or dramatic), duet acting (humorous or dramatic), improvised duet acting, extemporaneous speaking, informative speaking, persuasive speaking, and one act plays. Students will be required to participate at some Forensic Tournaments on Saturdays. This will not count as an English credit for the Kansas Board of Regents

Qualified Admissions.

Duration/Credit: Semester/0.5

MATHEMATICS

MA212 MATH CONCEPTS 1 (9-10)

Prerequisite: None

Course Description: Math Concepts 1 is designed to help insure that students are mastering the concepts included in the Kansas math standards. Curriculum will cover the four standards: number and computation, algebra, geometry and data.

Duration/Credit: Year/1.0

MA213 MATH CONCEPTS 2 (11-12)

Prerequisite: Math Concepts 1

Course Description: Math Concepts 2 is an extension of Math Concepts 1. The focus will include expanding further on the Kansas math standards, in addition to “real world” applications of these concepts.

Duration/Credit: Year/1.0

MA216 ALGEBRA 1 (9-12)

Course Description: Algebra 1 is a study of sets of numbers and their properties. It explores equations and inequalities, graphing and graphic solutions and applications. Much emphasis is given to simplifications of algebraic expressions, factoring and word problems.

Duration/Credit: Year/1.0

MA217 ALGEBRA 2 (9-12)

Prerequisite: Algebra 1

Course Description: Algebra 2 is a thorough review and extension of Algebra I. New topics include rational and negative exponents, graphing polynomial and rational functions, matrices, logarithms, and imaginary numbers. Attention is also given to preparation for college algebra. A college bound student should make sure to have this class to have the minimum preparation for college.

Duration/Credit: Year/1.0

MA215 GEOMETRY (9-12)

Prerequisite: Algebra 1

Course Description: Geometry is a study about the properties and uses of such figures as rectangles, triangles, and circles. Geometry will help the student gain knowledge as well as greater power in deductive thinking. Since the time of Euclid, Geometry has stood as the subject best adapted to train students in the habits of expressing their thoughts accurately and to reason correctly. These habits are cultivated by forming conclusions about the properties of the simplest and most universally known elements (triangles, rectangles, circles, etc.). This deductive reasoning is useful in all fields of intellectual pursuit.

Duration/Credit: Year/1.0

MA218 TRIGONOMETRY/PRECALCULUS (11-12)

Prerequisite: Algebra II and Geometry

Course Description: Trigonometry is the study of triangles and their applications. Some topics include trigonometric functions and their identities, trigonometric graphs and polar graphs, trigonometric equations, vectors, imaginary numbers, and sequences and series. Besides a thorough account of trigonometry, the class will review for college algebra as well as have time for some pre-calculus topics that include limits and derivatives. This course is an important course for the college-bound student.

Duration/Credit: Year/1.0

MA219 COLLEGE ALGEBRA (12) **Dual Credit** through Highland Comm. College

Prerequisite: Algebra II and Geometry

Course Description: College Algebra is offered as dual credit through Highland Community College. It includes a review and extension of Geometry, Algebra II, and Trigonometry. This review will help the students to permanently retain the processes previously learned. Furthermore, a deeper understanding will occur which will help retention.

Duration/Credit: Semester/0.5

MA221 CALCULUS (12)

Prerequisite: Algebra II and Geometry

Calculus is offered for only high school credit. College credit is not available because of limited time. This course will cover about two-thirds of the topics covered in a first-semester college calculus course. These topics include advanced algebra, limits, differentiation and its applications, and integration and its applications. This is a great preparation course to enroll in if planning to take Calculus in college.

Duration/Credit: Semester/0.5

PHYSICAL EDUCATION AND RECREATION

PE701 PHYSICAL EDUCATION 1 (Required: 9)

Course Description: This course introduces freshmen to concepts of physical education, such as: cardiovascular endurance, flexibility, muscular endurance, strength, obesity and weight control, posture, stress and chemical awareness. Also, students will be introduced to various team sports, including: flag football, softball, wrestling, basketball and volleyball. In addition, students will participate in individual lifetime activities and non-traditional team sports such as: swimming, badminton, ping-pong, tennis, and bowling. This course satisfies the state requirement of one semester health and one semester of P.E. and includes a 9-week unit each in chemical awareness, human sexuality, nutrition, and improving your self-esteem.

Duration/Credit: Year/1.0

PE702 PHYSICAL EDUCATION 2 (11-12)

Prerequisite: Physical Education I

Course Description: The emphasis of the class is developing proficient skills for lifetime sports activities such as bowling, swimming, golf, volleyball, badminton, table tennis, and tennis, as well as non-traditional team sports. Proper behavior, rules, and fundamentals will be emphasized.

Duration/Credit: This course may be taken for the year or semester. Students may earn 1.0 or 0.5 credit.

PE703 GENERAL PHYSICAL CONDITIONING (9-12)

Course Description: This class places an emphasis on weight training for strength development of all muscle groups. Agility will be done with major emphasis on flexibility, foot speed, core body, and endurance. Proper lifting techniques, safety, and spotting procedures will be taught to develop the total body. A major assessment will be performed once every nine weeks on mental and physical toughness.

Duration/Credit: This course may be taken for the year or semester. Students may earn 1.0 or 0.5 credit.

PE704 WOMENS HEALTH ISSUES (9-12)

Course Description: Students interested in taking this course will be exposed to topics such as latest health trends, establishing a fitness plan, diseases affecting women, nutrition and awareness issues. Activities include: self-defense, CPR, job shadowing, awareness issues, and guest speakers.

Duration/Credit: This course may be taken for the year or semester. Students may earn 1.0 or 0.5 credit.

PE70 TONING/PLYOMETRICS/SCULPTING (10-12)

Course Description: Students interested in taking this course will be exposed to restrictive band, medicine balls, pilate balls, light weight training and jogging training. This course will expose students no nutrition, healthy foods, BMI, body fat %, creating personal workouts and professional advice on eating and the body. A major assessment will be performed once every nine weeks on mental and physical toughness. The goal of this course is to give students the opportunity to develop a healthy lifestyle that they can maintain after high school.

Duration/Credit: This course may be taken for the year or semester. Students may earn 1.0 or 0.5 credit.

SCIENCE

SCI601 GENERAL SCIENCE (Required: 9)

Course Description: A lab science class that provides a solid foundation in biology, chemistry, physics, and earth science, with particular emphasis on the processes of science. A team of teachers who provide instruction in their area of expertise teaches it. The course targets the benchmarks and indicators assessed by the Kansas physical science assessment at the 9th grade level.

Duration/Credit: Year/1.0

SCI604 ENVIRONMENTAL SCIENCE (10-12)

Prerequisite: General Science

Course Description: A science course that studies and applies established scientific principles dealing with local, regional and global environments. Emphasis is placed on practical knowledge in the areas of biology, chemistry, electricity, sound, light and magnetism.

Duration/Credit: Year/1.0

SCI606 BIOLOGY 1 (10-12)

Prerequisite: General Science

Course Description: A lab science course for sophomores, juniors, or seniors (recommended to be taken in sophomore year): covers general principles of biology, the study of living things—scientific method, ecology, metabolism, cellular biology, genetics, reproduction, microscopic organisms, plants, animals and much more!

Duration/Credit: Year/1.0

SCI607 BIOLOGY 2 (COLLEGE BIOLOGY) (11-12) **Dual Credit** through Highland Comm. College

Prerequisite: Biology I

Course Description: A year-long course recommended for juniors and seniors. Dual credit course -- earns 5 hours of college credit from Highland Community College with appropriate fees paid. Advanced equipment, lab techniques and data analysis are stressed. Chemistry or concurrent enrollment in chemistry is strongly suggested.

Duration/Credit: Year/1.0

SCI608 CHEMISTRY (10-12)

Prerequisite: General Science, Algebra 1

Course Description: Study and laboratory work on how matter reacts with matter. This introductory course in chemistry meets the requirement for a laboratory course. Items stressed are the periodic chart, laboratory apparatus, lab safety and advanced problem solving. Algebra 2 or concurrent enrollment in Algebra 2 is recommended. It is also recommended that students take biology before chemistry.

Duration/Credit: Year/1.0

SCI612 CHEMISTRY 2 (COLLEGE CHEMISTRY) (11-12) **Dual Credit** through Highland Comm. College

Prerequisite: Chemistry 1

Course Description: This is a concurrent class with a potential of 5 credit hours from Highland Community College when the appropriate fees are paid. Advanced lab techniques and chemistry content are emphasized. It serves as an extension of chemistry and will continue to build on the skills and content learned in the previous course.

Duration/Credit: Year/1.0

SCI610 PHYSICS (11-12)

Prerequisite: Algebra II, Geometry, General Science

Course Description: The science of matter reacting with the forces of nature such as gravity, magnetism, electricity, heat, light, and atomic. Problems are expressed mathematically and the answers are applied to practical situations. Trigonometry or concurrent enrollment in trigonometry is recommended.

Duration/Credit: Year/1.0

SCI609 ANATOMY AND PHYSIOLOGY (11-12)

Prerequisite: Biology I.

Course Description: A yearlong course surveying the structure, function, development, disorders, and health of the human body organ systems. Recommended for students interested in nursing, veterinary work, any medical field, or just for anyone with an interest in the miraculous human body! Coursework involves dissection of a cat and various body parts.

Duration/Credit: Year/1.0

SCI611 ANIMAL SCIENCE (10-12)

Prerequisite: Introduction to Agriculture, or instructor approval.

Course Description: A continuation into the various disciplines of animal science. A great course for learning the general biology of animals and the skills needed to correctly manage them. Units covered in this course include; leadership, anatomy & physiology, traditional domestic livestock mgt. (beef, sheep, swine, horse, dairy, etc.), record keeping, non-traditional livestock mgt. (bison, llama, aquaculture, apiculture, etc.), genetics, nutrition, animal behavior and facility design.

Duration/Credit: Year/1.0

SOCIAL STUDIES

SOC501 WORLD HISTORY (Required: 9)

Course Description: World History studies world history from a cultural viewpoint, incorporating world religions, world music, and world geography into the classroom. This class will visit ancient areas of the world, such as Egypt and Greece, to explain how their ancient culture evolved into the culture that exists today.

Duration/Credit: Year/1.0

SOC502 AMERICAN HISTORY (Required: 10)

Course Description: An overview of history of our country. Course content begins with westward expansion (1880) and continues on to modern day America. The focus is on America's growth into a world power by becoming an industrialist nation and how policies changed from isolationism to interventionism.

Duration/Credit: Year/1.0

SOC503 AMERICAN HISTORY 2 (11-12) **Dual Credit** through Highland Comm. College

Course Description: An in-depth view of American History starting in 1950 and ending in the present. It emphasizes the Korean War, JFK assassination, Vietnam War, Watergate, and many other late 20th century topics.

Duration/Credit: Semester/0.5

SOC504 AMERICAN GOVERNMENT (Required: 11)

Course Description: This class is a study of the American political system. The U. S. system is compared with others around the world, then studied in detail. Topics include heritage of the U. S. system of government, the Constitution, civil rights, politics, congress and the presidency.

Duration/Credit: Year/1.0

SOC505 CURRENT EVENTS (11-12)

Course Description: This class is a study of current events and the background behind those events. The history and geography of areas involved in current events are studied.

Duration/Credit: Year/1.0

SOC506 PSYCHOLOGY (12) **Dual Credit** through Highland Comm. College

Course Description: This course focuses of the study of human behavior. Psychology studies the "whys" and "hows" of the way we are. Major areas include parapsychology, learning, personality, development, and abnormal psychology.

Duration/Credit: Semester/0.5

SOC507 SOCIOLOGY (12) **Dual Credit** through Highland Comm. College

Course Description: Sociology is offered for a semester only. It emphasizes the study of people and their interaction in a diverse society. Major areas include deviance, social stratification, group behavior, gender roles, and crime and justice.

Duration/Credit: Semester/0.5

SOC514 WE THE PEOPLE (12)

Prerequisite: American Government

Course Description: This class will prepare students for the competition at the state "We The People" finals held during second semester. Students will research, write and speak about the US Constitution, its principles and practices.

Duration/Credit: Semester/.5

TECHNOLOGY

TECH3100 BUSINESS COMPUTER APPS/IN-HOUSE TRAINING (11-12)

Prerequisite: Computer Applications II, Instructor Approval

Course Description: A service oriented course that uses technology and software (Word, WordPerfect, Access, PowerPoint, and Excel) to produce letters, memos, reports, and programs needed by local businesses, organizations, teachers, administrators, staff, and community members. Students will also be responsible for updating the Big 7 League web page. To enroll in this course, one must have their seminar with the instructor.

Duration/Credit: Year/1.0

TECH312 WEB PAGE DEVELOPMENT AND DESIGN (10-12)

Prerequisite: Computer Applications I

Course Description: This course is designed to teach the fundamentals of hypertext markup language (HTML) and teach the fundamentals of using graphical user interface (GUI) applications for web page design. Included will be the development of personal web pages, commercial web pages, and development/maintenance of the Sabetha High School web site. After completion of this course, students will be able to create web pages using hypertext, hyperlinks, tables, forms, graphics, and style sheets. Students will be able to use Adobe, Dreamweaver in conjunction with Adobe Photoshop, Adobe Flash, and Windows Moviemaker to create multifaceted web sites.

Duration/Credit: Year/1.0

TECH320 ENGLISH YEARBOOK TECHNOLOGY (10-12)

Prerequisite: Students must be approved through the required selection process. See instructor for details.

Course Description: Students will work with the latest technology to produce a quality yearbook. They will acquire a comfortable working knowledge of the use of current desktop publishing hardware and software to enhance employment skills and problem-solving abilities. Fundraising activities will also be required. Students will be provided with a workplace-oriented environment and a team-oriented, productive experience. Yearbook requires a yearlong commitment and a great deal of out of school time. Be prepared to work hard to produce a quality yearbook! Expectations are high, but this is, after all, YOUR yearbook!

Duration/Credit: Year/1.0

OTHER EDUCATIONAL OPPORTUNITIES

EL1216 WORK RELEASE (11-12)

Prerequisite: Students must complete and turn in the necessary application forms.

Course Description: Beginning with the 2007-08 school year, students will be allowed a block every other day for "Work Release."

Duration/Credit: This course may be taken for the year or semester. Students will **not** earn high school credit for Work Release.

TEACHER/OFFICE AIDING (11-12)

EL1202 HS TEACHER'S AIDE

EL1203 MS TEACHER'S AIDE

EL1204 ES TEACHER'S AIDE

Prerequisite: Students must complete and turn in the necessary application form.

Course Description: The teacher aiding experience is designed for those students who may wish to explore the field of education as a career choice. This is open to juniors and seniors only and may be done at the elementary, middle, and high school level. Students must receive a letter of permission from the instructor before adding the course. Those students at the elementary and middle school level will be expected to keep a daily journal, design a bulletin board and develop a lesson that will be presented to the class under the supervision of the classroom teacher. Those students at the high school level will be assisting their supervising teacher in required class assignments. All teacher aides must have a working knowledge of business operation (how to answer the phone, write messages, use of the copy machine) and be knowledgeable in basic computer operations. This class is open to juniors and seniors only and grades will be determined using a Pass/Fail method, which will not impact grade point average. A student may have no more than one teacher/office aide position per semester. **Students must complete the appropriate application by the established deadline and must have a minimum grade point average of 3.0 to be eligible.**

Duration/Credit: This course may be taken for the year or semester. Students may earn 1.0 or 0.5 credit.

EL1206 ACADEMIC RESOURCE (9-12)

Course Description: Academic Resource is a course designed for students who are experiencing difficulty in organization, completing assignments, and time management. Students must be recommended by the Student Improvement Team in order to be eligible.

Duration/Credit: This course may be taken for the year or semester. Students may earn 1.0 or 0.5 credit.