

South Beloit High School Courses and Descriptions

Introduction

This booklet contains information students need to plan their academic programs at South Beloit High School (SBHS). Students should seriously consider their future career goals and plan a corresponding course of study with the help of their parents/guardians and/or school counselor.

This booklet has been designed to help students make important choices that will affect their future, not something to be taken lightly. Students **MUST** choose a program appropriate to their future plans, as they are ultimately responsible for their own choices. Students need to give thought to their choices as the Master Schedule is based upon the courses they select during the registration process.

Schedule Changes

Schedule changes will only be allowed within the first seven (7) days of the first semester (changes are not allowed second semester due to current class offerings). Students will ONLY be allowed to drop the course if they do not already have a study hall or student assistant hour. If a student does not have a study hall or student assistant hour, dropping of a class will result in a study hall with no credit given. If a student already has a study hall or student assistant hour, dropping of a class will NOT be permitted. Level changes may still be able to take place throughout the course of the year (i.e. honors to regular or regular to honors).

Requirements

SBHS requires a total of 44 credits for graduation. Students earn one credit for each semester of successful completion (grade of 70% or higher) of a class. The following are required of all students:

English	8 Credits	Mathematics**	6 Credits
Science	6 Credits	United States History	2 Credits
Government	1 Credit (includes Constitution Test)	Consumer Education	1 Credit
Health	1 Credit	Physical Education	7 Credits
Music, Art, Vocational or Foreign Language	4 Credits	Other Electives	8 Credits

**Advanced math students who take Algebra as 8th graders will take 4 years of math, going through Trigonometry/Pre-Calculus as a minimum

###AS OF 2014, DRIVER'S EDUCATION IS NO LONGER A GRADUATION REQUIREMENT. COURSE WILL CONTINUE TO BE OFFERED EACH SEMESTER AT SOUTH BELOIT HIGH SCHOOL.

The South Beloit School Board of Education requires every high school student to take seven semesters of Physical Education and one semester of Health. Each class meets five days per week. A student can be excused from physical activities **only with a signed statement from their doctor**. **Physical Education waiver requests must be approved by the Board of Education PRIOR to the semester affected.**

Assignment and promotion to grades will be based upon the number of credits completed as follows:

	Credits
Freshman	0-10
Sophomore	11-20
Junior	21-33
Senior	34+

South Beloit Community Unit School District #320 complies with all federal, state, and local laws prohibiting discrimination in educational opportunities based on a person's membership in a protected class. Please see the *District Policy Manual, section 7-10: Students- Equal Educational Opportunities* for further information regarding the details of this policy.

Grade 9 Entry Requirements

The *School Code of Illinois* requires physical examinations prior to the entry of a student into 9th grade. In addition, they must show evidence of basic immunizations and needed boosters against Diphtheria, Polio, Red Measles, Rubella, Tetanus and Whooping Cough. **Students must have these examinations completed prior to the start of school.**

Transfer Credits

In order for a semester credit to be earned, the student must complete a semester worth of academic work. Transfer grades will be averaged in from the date of withdrawal. This means a student who enrolls at SBHS in a semester **without a transfer grade** will be required to make up all class work from the beginning of the semester. A student who transfers to SBHS at the start of second semester without completing first semester at their previous school **WILL NOT** receive any credits for first semester. An official transcript is required for any and all semester credits to be honored and transferred.

Course Selection

- 1) Use this course book as a reference guide to the courses available at SBHS. Insufficient enrollment and/or other factors may result in the cancellation of a course.
- 2) Do preliminary planning based on a four year educational plan. Review all graduation requirements and include the requirements in your course selection.
- 3) Make certain that prerequisites and grade level requirements are met in your selections. Obtain teacher approval when required.
- 4) **PRINT** the necessary information on the course selection form completely and accurately.
- 5) Parents/guardians must sign the course selection form.
- 6) Student's course selection will be approved by the School Counselor.
- 7) Course selections and schedules **MAY NOT** be changed once school has started, except within the first 7 days of school and only if the student does not already have a study hall or student assistant hour. Teachers may recommend a level change (regular to honors, etc) at any time or may be changed due to IEP requirements.

Weighted Grades

The following courses receive a weighted grade (A=5.0, B= 4.0, C= 3.0, D=2.0):

Honors English 9	Zoology	AP US Politics	
Honors Biology			
Honors English 10	Anatomy/Physiology	AP Psychology	Spanish IV
Honors English 11	AP Physics B	AP Calculus	Advanced Span V
AP English 12	AP Biology	AP US History	
Rock Valley College Dual Credit	Trigonometry/PreCalculus	Beloit College Porter Scholar	

Preparation For College

Each institution of higher learning has its own individual entry requirements. Students would be wise to research institutions they are interested in to become familiar with the specific entry requirements. In general, most institutions base their acceptance of applications on college entry exams (ACT, SAT), class rank, courses taken, difficulty levels of courses taken, student grade point average, and extra-curricular participation.

The Illinois State Board of Education has established the following **minimum requirements** for entrance into Illinois Public Institutions (programs and institutions may vary):

- English- four years; emphasizing written and oral communications and literature
- Art, Foreign Language and Music- two years
- Mathematics- three years; including Algebra, Advanced Algebra, Geometry, Trigonometry, and/or Computer Programming
- Science- three years; emphasizing Biology, Chemistry, and Physics
- Social Studies- three years; emphasizing government and history

School Counseling Services

The School Counseling Program supports teaching and learning by assuring students achieve academic success and develop life skills through the acquisition of academic, career, and personal/social competencies, which will prepare them to be contributing members of a diverse and ever changing society. The School Counseling Program is based on the National Standards for School Counseling Programs and the American School Counselor Association (ASCA) National Model.

A credentialed School Counselor will provide a comprehensive school counseling program that incorporates prevention and intervention activities through school-wide assemblies and activities, classroom guidance lessons, intentional guidance groups, individual counseling, and collaboration with outside community resources. The School Counselor will assist students in ensuring they meet graduation requirements. Parents and students are encouraged to make use of the school counseling services. Available services are as follows:

Academic development-

- Acquiring the attitudes, knowledge, and skills that contribute to effective learning in school throughout life.
- Completing school with the academic preparation essential to choose from a wide range of post-secondary options
- Understanding the relationship between academic success and their future

Career Development-

- Acquiring the skills to investigate career choices in relation to self-knowledge and current job trends
- Understanding the relationship between personal qualities, educational and training opportunities and careers
- Learning decision making strategies for future career choices

Personal/Social Development-

- Acquiring the attitudes, knowledge and interpersonal skills to help students understand and respect self and others
- Making decisions, setting goals and taking necessary action to achieve goals
- Applying effective problem-solving and conflict resolution skills to make safe and healthy choices

College and Military Representatives-

Admissions representatives from colleges, universities, trade schools, business schools, the military, and various organizations visit to meet with students and present opportunities that are available to students after high school. Visits will be in daily announcements and sign ups for visits will be in the School Counseling office. Please note that teacher permission is REQUIRED in order to attend visits during class time.

NCAA Initial- Eligibility Clearinghouse

Many college athletic programs are regulated by the National Collegiate Athletic Association (NCAA), an organization founded in 1906 that has established rules on eligibility, recruiting and financial aid. The NCAA has three membership divisions—Division I, Division II, and Division III. Institutions are members of one division according to their size. If you are planning to enroll in college as a freshman and you wish to participate in Division I or Division II athletics, you must be certified by the NCAA Initial-Eligibility Clearinghouse. The Clearinghouse was established as a separate organization by the NCAA member institutions in January 1993. The Clearinghouse ensures consistent interpretation of NCAA initial-eligibility requirements for all prospective students athletes at all member institutions. Beginning Fall 2016, NCAA has increased academic standards for certification. For more information, please go to www.ncaa.org.

Your responsibility as a prospective student-athlete:

It is **your** responsibility to make sure the Clearinghouse has the documents it needs to certify you. These documents are:

- Your completed and signed student release form and fee
- Foreign student application
- Your official transcript mailed directly from every high school you have attended
- Your ACT or SAT score If you want to participate in Division I or Division II athletics, plan to start the certification process early—the end of your junior year in school is the recommended time.

Art Department

Course: Art I
Duration(Credit): Year (2 credits)
Grade Levels: 9,10,11,12
Fee: \$40 (\$20 per semester)
Evaluation: Final exam, projects, quizzes, test and work sheets
Description: Students will apply the elements of design (color, form, line, shape, space, and texture) to a variety of multi-media, hands-on projects. An emphasis will be placed on fundamental drawing skills as students will complete geometric and figurative schematics, and complete anatomical, cartoon and grid drawings. Students will get a small introduction into acrylic painting.

Course: Painting
Duration(Credit): Year (2 credits)
Grade Levels: 10,11,12
Fee: \$40 (\$20 per semester)
Evaluation: Sketchbooks, paintings, tests, and final exam
Description: Students will begin this course by reviewing both fundamental and advanced drawing techniques and transition into the world of color with the use of pastels. Watercolors will be the first painting medium used, although acrylics will make up about 90% of the course. Students will round out the year with the use of oil paints, pens and ink, mixed media, and will learn a variety of both traditional and progressive techniques.

Course: Computer Art
Duration(Credit): Year (2 credits)
Grade Levels: 10,11,12
Prerequisite: Art I
Evaluation: Final exam, sketchbook, test and workbook assignments
Description: Students will use editing, illustration, animation, photo and web tools to create works in the computer lab. Adobe Photoshop, Adobe Illustrator, Power Point, and Dream Weaver programs will be taught during the course.

Course: Three-Dimensional Art
Duration(Credit): Year (2 credits)
Grade Levels: 10,11,12
Prerequisite: Art I
Fee: \$40 (\$20 per semester)
Evaluation: Final exam, projects, quizzes, and tests
Description: The first semester will be devoted entirely to architecture. Students will learn how to create site plans, section elevations, aerial views, and architectural rendering techniques before constructing a model dream home. The second semester will be devoted to sculpture and ceramics. Students will create both hand and wheel thrown clay projects that can be both aesthetic and utilitarian.

Course: Independent Art
Duration(Credit): Year (2 credits)
Grade Levels: 12
Prerequisite: Art I, 3D Art, Computer Art and **TEACHER APPROVAL REQUIRED**
Fee: \$40 (\$20 per semester)
Evaluation: Final exam, projects, and tests
Description: This course covers areas of art not covered in the other 4 courses. Students will be assigned individual art projects based upon areas of interest wanting to be studied. Students must be motivated and able to work independently.

Business Department

Course: Accounting I
CEANCI Code: CEANCI #12104A001
Duration(Credit): Year (2 credits)
Grade Levels: 10,11,12
Prerequisite: Basic Math Skills
Evaluation: Daily Assignments 60%; Quizzes and Tests 40%
Description: Students will be introduced to the basic concepts of accounting, learn to use the basic financial statements, and spent part of the course doing automated accounting using a computer. This is an introductory course in accounting, which is a requirement in every college's business degree program.

COURSE: Accounting II
REGISTRATION CODE: CEANCI #12104A002
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 11, 12
PREREQUISITE(S): Accounting I
EVALUATION: Daily assignments 60%; Quizzes and tests 40%
DESCRIPTION: This course builds upon the foundation established in Accounting I. The course helps students develop a deeper knowledge of the principles of accounting with maximum emphasis being placed on financial statements and accounting records as they apply to partnerships and corporation. The student will become familiar with the specialized fields of accounting as cost accounting, tax accounting and payroll accounting. This course provides a strong foundation for college bound students who plan to major in business and marketing occupations, as well as those who with vocational preparation.

COURSE: Keyboarding I
REGISTRATION CODE: CEANCI #12005A001
DURATION (CREDIT) 1 Semester (1 credit)
GRADE LEVEL(S) 9,10,11,12
EVALUATION: In-class Assignments 100%
DESCRIPTION: Students will learn the skills and techniques to touch keyboarding and practice these skills by completing drill exercises to improve both speed and accuracy. Proofreading and correction errors will also be emphasized in addition to ten key numeric pad and production of copies that meet business standards.

COURSE: Computer Concepts and Software Application
REGISTRATION CODE: CEANCI #10005A001
DURATION (CREDIT): 1 Semester (1 credit)
GRADE LEVEL(S) 9,10,11,12
PREREQUISITE(S): Keyboarding I
EVALUATION: In-class Assignment 50%; Projects 20%; Quizzes and tests 30%

DESCRIPTION: Students will have hands-on experience in the use of integrated word processing, database, and spreadsheet software. Students will apply their skills to real world word processing applications such as reports, memos, letters, and tables.

COURSE: Introduction to Business I
REGISTRATION CODE: CEANCI #12053A001
DURATION (CREDIT): 1 Semester (1 Credit)
GRADE LEVEL(S): 9,10,11,12
EVALUATION: Final exam projects, tests, computer simulation
DESCRIPTION: This course will provide the student with an overview of the global economy, how the market works, the free enterprise economy of the United States, as well as the basics of business management topics such as human resources, finances, production and marketing.

COURSE: Introduction to Business II
REGISTRATION CODE: CEANCI #12053A001
DURATION (CREDIT): 1 Semester
GRADE LEVEL(S): 9,10,11,12
PREREQUISITE: Introduction to Business I is NOT required for enrollment in this course
EVALUATION: Final exam, projects, tests, computer simulation
DESCRIPTION: This course will provide the student with a closer look at entrepreneurship, the government's relationship to businesses with taxes and taxation, money and banking for a business, as well as learning the basic concepts of international business.

COURSE: Marketing and Publications
DURATION (CREDIT): Year (2 Credits)
GRADE LEVEL(S): 10,11,12
PREREQUISITE(S): Consent of instructor
EVALUATION: Completing all deadline assignments on time
DESCRIPTION: Publications is a computer-based class in which students will learn about marketing and design as they create professional publications to assist in school marketing. The publications created will consist of the yearbook, newsletter, any event materials such as banners, programs, and fliers, as well as any other design opportunities that arise throughout the year that will benefit the school. Students will learn how to use Microsoft Publisher, Online Design, and a variety of other design websites and programs.

ENGLISH DEPARTMENT

COURSE: English 9
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9
EVALUATION: Homework, test, quizzes, writing assignments
DESCRIPTION: Students will study basic grammar, reading (short stories), and writing (the goal will be the construction of good paragraphs and essay format)

COURSE: English 10 (Writing Intensive)
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 10
EVALUATION: Tests, quizzes, oral speech, homework, writing assignments
DESCRIPTION: Short stories and novels will be emphasized 1st semester. Writing with an emphasis on proper mechanics and composition will be emphasized 1st semester. Speech and persuasive writing will be emphasized 2nd semester. Writing for a variety of purpose and audiences will be a focus throughout the year.

COURSE: English 11
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 11
EVALUATION: Attendance , participation, projects, quizzes, tests and writings
DESCRIPTION: Students will study the development of American literature from the early settlers to the contemporary period. Writing skills will be emphasized 1st semester. Students will be required to read a novel a month and answer comprehension questions based on the novel. Students will read and analyze the play The Crucible by Arthur Miller.

COURSE: English 12
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 12
EVALUATION: Class participation, essays, major projects, tests and quizzes
DESCRIPTION: Students will study the development of British Literature from the epic verse of the *Beowulf* , through the medieval, Elizabethan, Victorian and contemporary periods to examine changes in social themes and how they are reflected in literature. Students will be required to read a novel a month and answer compression questions based on the novel. Students will read and analyze the play Macbeth by William Shakespeare.

COURSE: Honors English 9
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9
PREREQUISITE(S): Teacher approval **REQUIRED**
DESCRIPTION: Students will study basic grammar and the class will be writing intensive. The goal will be the construction of effective and organized essays and vocabulary development. Students will also be required to complete a variety of reading assignments independently.

COURSE: Honors English 10
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 10
PREREQUISITE(S): Teacher approval **REQUIRED**
DESCRIPTION: A variety of literature genres will be examined, including novels, drama, short stories and poetry. Writing skills will be emphasized and students will write a research paper. Shakespeare's Julius Caesar will be a major focus. Other major works include All Quiet on the Western Front and Twelve Angry Men.

COURSE: Honors English 11
DURATION (CREDIT): Year (2 Credits)
GRADE LEVEL(S): 11
PREREQUISITE(S): Teacher approval **REQUIRED**
DESCRIPTION: This course is designed for the student with consistently superior performance in language, reading and writing. Each semester includes extensive reading and both written oral expression.

COURSE: AP English 12
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 12
PREREQUISITE(S): Teacher approval **REQUIRED**
DESCRIPTION: This course is designed for student who excels in English. Challenging reading selections from world literature will be the basis of study, as well as frequent writing assignments. Students will have the option of taking the College Board AP Exam in the Spring.

ENGLISH ELECTIVES

COURSE: Strategic Literacy
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9, 10
PREREQUISITE(S): Students scoring below a certain standard on the STAR and PARCC will be **REQUIRED** to take Strategic Literacy.
DESCRIPTION: This course will emphasize the skills needed to become a more successful reader. This course utilizes small group direction instruction, instructional reading, modeled and independent reading in achieving those skills. A variety of materials, such as paperbacks/books, audiobooks and computer software, are used for this course.

DRIVER'S EDUCATION / HEALTH DEPARTMENT

COURSE: Health
DURATION (CREDIT): 1 Semester (1 credit)
GRADE LEVEL(S): 10,11,12
EVALUATION: Exams, oral reports, and quizzes
DESCRIPTION: Students will study basic individuals and public health issues, including stress management, nutrition, physical fitness, AIDS, human sexuality, and personal hygiene and the use of illicit drugs and alcohol.

COURSE: Driver Education
DURATION (CREDIT): Approximately 6-7 weeks (No credit) and additional behind the wheel time
GRADE LEVEL(S): Varied
PREREQUISITE(S): Eight high school credits earned in the past two semesters. Students must attend class at 7:30 a.m. for six weeks. District pays for classroom portion student must pay for driving portion. Drive Right conducts course. **Students will be ASSIGNED to driver's education based upon grade level, birthdate and credits earned.**
EVALUATION: Final Exam and tests.
DESCRIPTION: Students will study the attitudinal and emotional development needed by beginning drivers in order to handle driving tasks are related to the privilege of obtaining a license: driver safety, energy conservation, law enforcement, responsibilities of owning a operation an automobile, and alcohol and other drug use.

***NOTE: DRIVER'S EDUCATION IS NOT A GRADUATION REQUIREMENT**

FOREIGN LANGUAGE DEPARTMENT

COURSE: Spanish I
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9,10,11,12
PREREQUISITE(S): English, with grade of "C" or higher
DESCRIPTION: Students will learn the vocabulary and grammatical construction required for future study of the language and explore the cultures of the Spanish-speaking world.

COURSE: Spanish II
DURATION (CREDIT): Year (2 credits)
PREREQUISITE(S): Spanish I with a grade of "C" or higher or placement through proficiency testing
DESCRIPTION: Students will continue the study of grammar and culture and develop listening and speaking skills through extensive practice.

COURSE: Spanish III
DURATION (CREDIT): Year (2 credits)
PREREQUISITE(S): Spanish II, with a "C" or better placement through proficiency testing
DESCRIPTION: Students will explore advanced structures of the language including an extensive study of the subjunctive tense.

COURSE: Spanish IV
DURATION (CREDIT): Year (2 credits)
PREREQUISITE(S): Spanish III with a grade of "C" or placement through proficiency testing
DESCRIPTION: Students will continue to explore advanced structures of the language, including compound tenses and a continuation of the study of the subjunctive tenses. In addition, students will read selected texts in Spanish and complete presentations in Spanish.

COURSE: Advanced Spanish V
DURATION (CREDIT): Year (2 credits)
PREREQUISITE(S): Spanish IV with a grade of "C" or better or placement through proficiency testing
DESCRIPTION: Students will explore the literature, politics, current events, and culture of the Spanish-speaking world. Activities will include journals, classroom discussions, reports, and presentations in Spanish.

MATH DEPARTMENT

****3 years of math are required for graduation. Advanced math students (students in Algebra I as 8th graders or students who are asked to double w/Algebra II and Geometry in 10th grade are expected to take math through Trigonometry/Pre-Calculus**

COURSE: Algebra Essentials
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9,10
PREREQUISITE(S): Eighth grade teacher recommendation and Explore test scores
EVALUATION: Homework 60%, Quizzes and Tests 40%, Class participation/notebook/projects and group work
DESCRIPTION: This is an algebra course covering linear and quadratic topics, problem solving, statistics, and systems of equations. Class session include engaging hands-on activities and math support to provide students a deeper understanding of the material covered in a regular Algebra course and address pre-algebra remedial skills. The Essentials component provides a clear instruction in concepts and skills that can include activities, real-life applications, and strategies for problem solving.

COURSE: Algebra I
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9,10,11,12
PREREQUISITE(S): Pre-Algebra with a grade of "C" or better or consent of instructor
EVALUATION: Homework 60%, Quizzes and tests 40%, Class participation/Notebook
DESCRIPTION: Students will study properties of numbers, structure, algebraic representation, fundamental operations, factoring, radicals, equalities, factoring, and inequalities.

COURSE: Informal Geometry
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 10, 11, 12
PREREQUISITE(S): Algebra Essentials
EVALUATION: Daily assignments 60%, quizzes and tests 40%, participation
DESCRIPTION: Students will study the corollaries, definitions, postulates, proofs, and theorems of plane Geometry, with emphasis on basic constructions of circles, parallel and perpendicular lines, and polygons.

COURSE: Geometry

DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 10,11,12
PREREQUISITE(S): Algebra I, with a grade of "C" or better or consent of instructor
EVALUATION: Daily assignments, quizzes and tests
DESCRIPTION: Students will study the corollaries, definitions, postulates, proofs, and Theorems, of circles, parallels and perpendicular lines, and polygons will also be covered.

COURSE: Algebra 2 Essentials
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 10,11,12
PREREQUISITE(S): Algebra Essentials or Algebra I, Geometry or Informal Geometry
EVALUATION: Homework 60%, Quizzes and tests 40%, Class participation, Notebooks
DESCRIPTION: Algebra II Essentials will focus on the understanding of the essential concepts and skills in Algebra II. This course build upon the concepts and skill learned in previous mathematics courses using real number operations, variables, exponents, roots, and graphing to solve a variety of mathematical and real word problems. Student will study functions and relations, with an emphasis placed on conceptual understanding, graphical representation, solving and modeling. Algebra II Essential is designed to prepare students for college level mathematics.

COURSE: Algebra 2
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 10,11,12
PREREQUISITE(S): Algebra I, Geometry; with a grade of "C" or better in both
OUT-OF-CLASS TIME PER WEEK: 4-5 hours per week
SUPPLIES NEEDED: Pencil, paper, scientific calculator (Ti-30X IIS), and spiral notebook
EVALUATION: Homework 60%, Quizzes and tests 40%, participation, notebooks
DESCRIPTION: Students will study function; work with rational, irrational, and imaginary numbers; logarithmic and exponential functions; and be introduced to trigonometry.

COURSE: Senior Math Concepts
Duration (Credit): 1 year (2 credits)
Prerequisites: At least 6 credits of math
Grade Level (S): 12
Evaluation: Homework and Projects 50%, Quizzes and Tests 40%, Participation and notebooks 10%

Description: Semester 1 covers topics in business math including summarizing and analyzing financial records, understanding fundamental concepts and terminology of accounting, and exploration of career opportunities. Semester 2 will cover brief review of algebra including terminology, notations, concepts and skills. It builds upon topics such as algebraic proof, complex numbers, absolute value, polynomial equations.

COURSE: Trigonometry/PreCalculus
DURATION (CREDIT): 1 year (2 credits)
GRADE LEVEL(S): 11,12
PREREQUISITE(S): Algebra II, with a grade of "C" or better or teacher recommendation
EVALUATION: Homework 60%, Quizzes and tests 40%, participation
DESCRIPTION: For Trigonometry, students will study trigonometric and circular functions and their graphs, right triangle relationships, the laws of sines and cosines, vectors in a plane, polar coordinates and complex numbers, transformations, vectors in space, and some spherical trigonometry. For Pre-Calculus, Students will study coordinate geometry, polynomials, functions, exponents and logarithms, polar coordinates and complex numbers, conic sections and determinants, sequence and series, matrices, statistics, and probability.

COURSE: AP Calculus
DURATION (CREDIT): 1 year (2 credits)
PREREQUISITE(S): Trigonometry and Pre-Calculus, with a grade of "C" or better or teacher recommendation
GRADE LEVEL(S): 12
EVALUATION: Homework and Projects 60%, Quizzes and tests 40%, participation, notebook
DESCRIPTION: Students will study limits, differentiation, integration, logarithmic exponential, and transcendental functions, infinite series, conics, parametric equations and Polar coordinates using technology, real data and real-life application and mathematical modes.

MUSIC DEPARTMENT

COURSE: Band
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9,10,11,12
PREREQUISITE(S): Experience playing an instrument and reading music notation
OUT-OF-CLASS TIME PER WEEK: Football games, basketball games, concerts, parades, other activities as specified, 1 hour of practice time per week
EVALUATION: In-Class participation: 40%, Performances: 40%, Written work 20%
DESCRIPTION: Student will learn to play their instruments alone and with others, read and write music notation, analyze and describe musical performances, understand the relationship of music to history and other disciplines, improvise, and compose musical excerpts, and participate in marching and outdoor performances. Because this is performance oriented class, students are required to attend all out of class rehearsals and performances.

COURSE: Choir
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9,10,11,12
OUT-OF-CLASS TIME PER WEEK: 2-4 Concert per year, festivals, and other activities as specified.
EVALUATION: In-Class participation: 40%, Performances: 40%, Written work 20%
DESCRIPTION: Students will learn to sing alone and with others, read and write music notation, analyze and describe musical performances, understand the relationship of music to history and other disciplines, compose musical excerpts. Because this is a performance based class, students are required to attend all out of class rehearsals and performances.

PHYSICAL EDUCATION

COURSE: Physical Education
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9,10,11,12
EVALUATION: Daily grade: one grading unit, Written testing one grading unit
DESCRIPTION: Weightlifting , 12 minute run, drills, game participation.

COURSE: Strength Training
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9,10,11,12
EVALUATION: Daily grade: one grading unit, Written testing one grade unit
DESCRIPTION: This introductory course will teach proper lifting techniques, basic exercises for each muscle group, human anatomy as it relates to workout goals, and how to structure workouts to reach goals.

SCIENCE DEPARTMENT

COURSE: Biology
DURATION (CREDIT): Year (2 Credits)
PREREQUISITES: 8th grade science
GRADE LEVEL(S): 9th
EVALUATION: Each chapter will consist of one chapter exam, section homework problems, online lab worksheets, lab reports, and supplementary problems presented in class.
DESCRIPTION: Students will study the foundations of biology, cell biology, genetics and biotechnology, ecology, and evolution. Course requirements include quarterly projects and laboratory experiments.

COURSE: Biology Essentials
Duration (Credit): One year
Grade Level(s): 9
Prerequisites: 8th Grade Science
Description: Students will study the essentials concepts of biology. Topics include the organization of life, cell structure and function, DNA structure and heredity, biodiversity, evolution, and ecology. The Essentials component provides a clear instruction in concepts and skills that can include activities, real-life applications, and strategies for problem solving.

COURSE: Honors Biology
DURATION (CREDIT): Year (2 Credits)
PREREQUISITES: Advanced 8th grade science and approval of JH/HS Sciece staff
GRADE LEVEL(S): 9th
EVALUATION: Each chapter will consist of one chapter exam, section homework problems, online lab worksheets, lab reports, and supplementary problems presented in class.
DESCRIPTION: This course focuses on the major topics of biology, such as the foundations of biology, cell biology, genetics and biotechnology, ecology and evolution.. Laboratory work and the the written explanation of the work, is a significant part of the course, as are quarter projects. Extensive research and writing will be integrated in the course.

Course: Chemistry
Duration (Credit): One year (2 Credits)
Prerequisites: Biology or Biology Essentials
Grade Level (S): 10th
Evaluation: Each chapter will consist of one chapter exam, section homework problems, online lab worksheets, lab reports, and supplementary problems presented in class.
Description: Students will study matter: its atomic structure, compound formation, and chemical formation, chemical reactions, physical states of matter, acids, bases, gas laws, and thermodynamics.

Course: Chemistry Essentials
Duration (Credit): One year (2 Credits)
Prerequisites: Biology or Biology Essentials
Grade Level (S): 10th
Evaluation: Each chapter will consist of one chapter exam, section homework problems, online lab worksheets, lab reports, and supplementary problems presented in class.
Description: Students will study the essentials concepts of chemistry. Topics include matter and its atomic structure, compound formation, and chemical formation, chemical reactions, physical states of matter, acids, bases, gas laws, and thermodynamics. Emphasis on conceptual chemistry rather laboratory based.

Course: Environmental Science
Duration (Credit): One year
Prerequisites: Biology
Grade Level (S): 11-12
Evaluation: Each chapter will consist of section quizzes, one chapter exam, section homework problems, lab reports, and class projects.
Description: Environmental Science provides students with a better understanding of the environmental problems facing our world. Units of study include ecology, populations, human impact on the environment, the study of the atmosphere, land, and waters of the earth, and the use of our energy resources. Lab activities are an important component of this course and will be supplemented by computer based research.

Course: Introductory Physics
Duration (Credit): One year (2 credits)
Prerequisites: Biology and Chemistry, C or better in Geometry
Grade Level (S): 11-12
Evaluation: Each chapter will consist of one chapter exam, section homework problems, online lab worksheets, lab reports, and supplementary problems presented in class.
Description: This is an introductory course to physics for students who plan on going to college and/or taking AP physics the following year. This course is not only for those planning to major in math or science fields in college, but for anyone who wants to be better prepared in a higher level science class in the

future. Chapters covered will be measurement, motion in one dimension, two-dimensional motion and vectors, forces and the law of motion, work and energy, momentum and collisions, circular motion, fluid mechanics, heat, and vibrations and waves.

COURSE: Human Anatomy & Physiology
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 11,12
PREREQUISITE(S): Biology (2 Semesters), with a grade "C" or better and consent of instructor
DESCRIPTION: Students will take an in-depth look at the workings of the human body beginning at a chemical and cellular level all the way up to organ systems. Students will learn the scientific names for the parts of the human body, as well as the general physiology for the organs and organ systems. Students will perform a variety of dissection labs to go along with corresponding organ systems that are studied throughout the course.
EVALUATION: Homework, quizzes, tests, and labs (dissections).

COURSE: AP Physics
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 11,12
PREREQUISITE(S): Introduction to Physics, Algebra I & II with grade of "B" or better, or consent of math instructors and consent of science instructors REQUIRED
DESCRIPTION: Students will study both classical and modern physics. First semester will focus on dimensional motion, projectile motion, Newton's Laws of Motion, Circular motion, work, and energy. Second semester will focus on light, sound, thermodynamics, electricity and magnetism.
EVALUATION: Homework, quizzes, labs, and tests.

COURSE: AP Biology
DURATION (CREDIT): Year (2 semesters)
GRADE LEVEL(S): 11,12
PREREQUISITE(S): Biology and Chemistry with grades of "B" or better and teacher approval REQUIRED
DESCRIPTION: This is a course for students interested in a college equivalent Biology course. This Advance Placement (AP) curriculum will address the following topics addressed in depth include plant and animal physiology, molecular biology, genetics, taxonomy, ecology and current events in biology. Laboratory work is a significant part of this course. Students who successfully pass the AP Biology proficiency exam may receive college credit for Biology.
EVALUATION: Homework, quizzes, labs, and tests.

COURSE: Zoology
DURATION (CREDIT): Year (2 semesters)
GRADE LEVEL(S): 11,12

PREREQUISITE(S): Biology with a grade of "C" or better and teacher approval REQUIRED

DESCRIPTION: Zoology is the study of the animal kingdom. This course will introduce the student to the science of zoology. Students will become aware of the world of animals and their interrelationships through the process of evolution, develop an understanding of the significance of the diversity of life and the balance of nature, and examine the physiological and morphological characteristics of animals that allow them to survive in their environment. Students will explore the different invertebrate phyla and vertebrate classes and will be responsible for characteristics of each and be able to identify specimens. Handling and dissection of specimens will be expected.

EVALUATION: Homework (conceptual and problem solving questions), quizzes, labs, and tests.

SOCIAL STUDIES

COURSE: Geography

DURATION (CREDIT): Year (2 semesters)

GRADE LEVEL(S): 9,10,11,12

EVALUATION: Homework, notes and vocabulary, maps, tests, projects and final exam.

DESCRIPTION: Students will study the landforms, climates, cultures, and political systems of North America, South America, Europe, Asia, Africa and Australia, as well as Antarctica and the solar system.

COURSE: World History: History of the Ancient World and History of Western Europe: Middle Ages to the Renaissance.

DURATION (CREDIT): Year (2 Credits)

GRADE LEVEL(S): 10,11,12

EVALUATION: Tests, homework, projects and final exam

DESCRIPTION: Students will study the achievements and contributions of ancient peoples who inhabited the world from 4,000,000 B.C. to 700 A.D., with an emphasis on the peoples of the Fertile Crest, Egypt, China, Greece, Persia, Ancient Africa, Rome, and the Middle East. Students will study Western Europe during the Middle Ages and Renaissance with an emphasis on the growth of the Christian Church: the development of nation; and the economic, religious, and cultural achievements of the period.

COURSE: Sociology/World Cultures

DURATION (CREDIT): 1 year (2 credits)

GRADE LEVEL(S): 10,11,12

DESCRIPTION: Sociology illustrates how the groups, or social structures, that one belongs to have a profound influence on the way you think, feel, and act. Sociology studies groups rather than individuals. Major themes include deviance and social control, inequities of gender and age, family and marriage, and social issues surrounding modern sport. World Cultures is a people centered study involving an in depth look at the world's major cultures. The study of each of these cultures will focus upon historical and

present-day culture, family life and structure, social organizations; attitude on education, religious beliefs and institutions economic life, political trends, and the intellectual and artistic accomplishments of men and women within the culture.

COURSE: US History
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 11
EVALUATION: Tests, quizzes, reports, projects, research paper and final exam.
DESCRIPTION: Students will study American history beginning with the early settlement of Asian, English, French, and Spanish explorers; continuing with the development of colonial America and the founding of the United States, including the Revolutionary War and the writing of the Constitution; and concluding with the events that led to the Civil war and reconstruction. Students will study Industrialism; the rise of cities and big business, considering their influence on America's culture and history; popularism; immigration and other fundamental changes in the makeup of our society; World War I and America's rise as a world power; the Depression; and World War II.

COURSE: AP US HISTORY
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 11 STUDENTS MUST HAVE TEACHER APPROVAL TO ENROLL
EVALUATION: Tests, quizzes, reports, projects, research paper and final exam.
DESCRIPTION: The Advanced Placement Program in United States History is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. The program prepares students for intermediate and advanced college courses in history. Students learn to assess historical materials; their relevance to a given interpretive problem, their reliability, and their importance; and to weigh the evidence and interpretations presented in historical scholarship. This course should help develop the skills necessary to arrive at conclusions based on an informed judgment and to present reasons and evidence clearly and persuasively in essay format. Students will prepare for the AP Exam, given in the spring.

COURSE: American Government
DURATION (CREDIT): 1 semester (2 credits)
GRADE LEVEL(S): 12
EVALUATION: Homework, notes and vocabulary, tests, projects and final exam.
DESCRIPTION: Students will study the establishment and structure of American Governments, including the characteristic and roles of each branch. Students will also study the US Constitution, Bill of Rights, and additional amendments, as well as state and local government structures and roles.

COURSE: Consumer Education
DURATION (CREDIT): 1 semester (1 credit)
GRADE LEVEL(S): 12
EVALUATION: Homework, notes and vocabulary, tests, projects and final exam

DESCRIPTION: Students will study the role of the consumer in the marketplace, consumer protection laws, advertising, goal setting, budgeting, banking, credit, internet safety, ethics, education and career choices, resumes and interview skills, and the stock market.

COURSE: AP U.S. Politics and Government
PREREQUISITE(S): Teacher approval REQUIRED
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 11,12
EVALUATION: Daily assignments, papers, quizzes, test, written reports, projects and final exam.

DESCRIPTION: Students will be receiving a large amount of content over this period of time. This course requires reading and substantial preparation. Students will be expected to develop a critical understanding of the American political system and world affairs. This course will develop students' familiarity with various institution, groups, beliefs, and ideas that constitute U.S. politics. This course will prepare students for the A.P. exam for U.S. Government and Politics, if they choose to take it. It will also prepare students to understand and be well versed in current U.S. and global affairs. This course meets the Government graduation requirement.

COURSE: AP Psychology
DURATION (CREDIT): 1 year (2 credits)
GRADE LEVEL(S): 11,12
PREREQUISITE(S); TEACHER APPROVAL REQUIRED
DESCRIPTION: Students will study the foundations of psychology as well as the human mind and body processes. The course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Student will study facts, principles, and phenomena associated with each of the major sub-fields within psychology, as well as the ethers and methods psychologists use in their science and practice. Students will prepare of the AP Psychology use in their science and practice. Students will prepare for the AP Psychology exam. The fourth quarter will incorporate the study of Sociology where students will study culture, values, beliefs and norms, and how individuals act with a group, social or social structure.

TECHNOLOGY/VOCATIONAL DEPARTMENT

COURSE: Intro to Technology
REGISTRATION CODE: CEANCI #2105A002
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9,10
Fee: \$40 (\$20 per semester)
DESCRIPTION: This course is designed to offer all of the courses offered to give the student a well rounded knowledge of courses offered in the Technology Department. The areas covered are CAD, Woodworking and Electricity. CAD will cover the basic knowledge of the software so the student is proficient on its operation. This will be covered in a 9 week time period. The woodworking section is an 18 week period where the student will learn the safety of all the woodworking machines and operations of each. The evaluation of this section will be the completion of several different projects that will incorporate the use of all the machines covered. The final 9 weeks will deal with the basic application of electricity, such as the knowledge of the material, safety, soldering, troubleshooting, and wiring of basic circuits.

COURSE: Intro to Drafting
REGISTRATION CODE: CEANCI #21102A001
DURATION (CREDIT): Year (2 credits)
GRADE LEVEL(S): 9,10, 11, 12
DESCRIPTION: This course will introduce the student to the basic fundamentals of drafting while concentrating on mechanical drafting and its techniques. The content of the course covers the method of transferring ideas to paper and computer. Drawing and language of industry are covered in detail. Areas covered may include: planning and organizing activities, preparing introduction to Computer Aided Drafting (CAD) will be presented throughout the year.

COURSE: CAD 1
REGISTRATION CODE: CEANCI #21103A001
DURATION (CREDIT): Semester (1 credit)
GRADE LEVEL(S): 10,11,12
DESCRIPTION: This course covers the learning of CAD (Computer Aided Drafting) software and be able to use it on all the different applications of Drafting. Students will be able to learn how to process their drawings on printers and plotters that are available in the classroom. CAD commands and menus will be used to draw geometric constructions, orthographic drawings pictorials, auxiliary views, section views and revolutions. The application of research skills and math related skills will be stressed.

COURSE: CAD 2
REGISTRATION CODE: CEANCI #21103A011
DURATION (CREDIT): Semester (1 credit)
PREREQUISITE(S): CAD 1
GRADE LEVEL(S): 10,11,12
DESCRIPTION: This course is designed to cover involved CAD applications such as architectural drafting, engineering drafting and 3D modeling. With the information learned in CAD 1, CAD 2 will cover more in depth problems and will focus on individual problem solving techniques in assembly drawings, 3D modeling and pictorial representation such as: 2 point perspectives, isometrics and oblique drawings. Industrial problem solving and architectural solutions will be highlighted in great detail.

COURSE: Woodworking
DURATION (CREDIT): Semester (1 credit)
REQUIREMENT: Intro to Technology or teacher consent
Fee: \$40 (\$20 per semester)

DESCRIPTION:

This course covers the safety and operation of all woodworking equipment as well as other applications that go along with woodworking. The students will plan, select correct materials, use the correct equipment to create each piece of the project, make adjustments if needed, sand and finish each part, and assemble for final completion. Most projects are assigned by the instructor so that the final woodworking product is completed by the end of the class.

OTHER PROGRAMS

COURSE: Student Assistantship
DURATION (Credit) : Year (2 credits)
GRADE LEVEL(S): Juniors and Seniors ONLY
PREREQUISITE: **NO D's or F's on report card from previous 2 semesters and 11th and 12th graders ONLY**

DESCRIPTION: This is a pass-fail course and evaluation will be handled by the consenting teacher. Students must maintain good attendance. If a student misses more than 7 days (excluding medical) during a semester, they will be unable to continue as an assistant the next semester. **STUDENT MUST HAVE TEACHER CONSENT/SIGNATURE PRIOR TO REQUESTING COURSE.** This program requires students to work on a daily basis, under the direction of a staff member.

Course: College Readiness Class
Duration (Credit): Year (2 credits)
Grade Levels: 9-12
Description: This class will include various guest speakers from the workplace, as well as college visits. This class will also promote education after high school throughout the building. Students will work on note taking, study skills, high level debate, peer tutorials, organizational skills and the promotion of writing assignments. Enrollment in this class will involve an application process and expectations for each student to meet throughout the school year. Interest in the class does not mean acceptance, or a class on the student's schedule. The teacher of this class will also serve as a home-base for students in this class and as an advocate.

COURSE: Beloit College Porter Scholar
DURATION (CREDIT): 1 semester (1 credit)
GRADE LEVEL(S): 12
DESCRIPTION: Students selected by Beloit College for the Porter Scholar Program may take one college class at no charge at Beloit College during their senior year. Applications are available during the second semester of the student's junior year to the top 10% of the class. Beloit College makes the selections. A 3.5 GPA is recommended. Student must provide their own transportation.

COURSE: Study Hall
DURATION (CREDIT): Year (0 credit)
GRADE LEVEL(S): 9,10,11,12

COURSE: Dual Credit (Rock Valley College)
DURATION (CREDIT): 1 credit per semester per course
GRADE LEVEL(S): 11,12
DESCRIPTION: Students may take classes for credit at both South Beloit High School and Rock Valley College. Students must apply and take the placement test at RVC. The students must provide their own transportation and pay tuition, books and fees.

COURSE: Rock Valley College Online Dual Credit
DURATION: 1 Credit per semester per course
GRADE LEVEL: 11, 12
PREREQUISITE: Student must be in good academic standing with an A/B average and not be deficient in any credits from SBHS.
DESCRIPTION: Students may apply to take online credit course from Rock Valley College at SBHS. Students must apply to Rock Valley College, take placement tests and be accepted into program by Rock Valley College. Students will attend online class as scheduled by Rock Valley College, proctored by an SBHS teacher. Students are responsible for tuition, fees and books as set by Rock Valley College.

Course: Rock Valley College Running Start Program
Duration: Full year
Grade Level: Juniors and Seniors
Prerequisite: **Please see description**
Description: South Beloit High School participates in Rock Valley College's Running Start program. The program is designed to give students a head start on earning college credits and students will spend their entire day at Rock Valley College. South Beloit High School participates in the Engineering and Science programs ONLY. South Beloit High School selects students in the second semester of their sophomore or junior year. Selected students MUST have a minimum 3.75 cumulative GPA, have taken Chemistry and Algebra II and have good attendance and disciplinary records. The selected students then apply directly to Rock Valley College, take placement tests at Rock Valley College and Rock Valley College makes the final decision for acceptance. Rock Valley College pre-sets the students' course loads. Attendance in the summer is required for the program. Students are responsible for books and any extra fees assigned to courses.

SPECIAL EDUCATION DEPARTMENT

Course: English 9-12

Duration (Credit): Year (2 credits)
Grade Level: 9-12
Description: All English classes are taught in the regular education setting; support and modifications will be provided to students as stated in their Individualized Education Plan. For course descriptions, please refer to English department.

Course: Math
Duration (Credit): Year (2 credits)
Grade Level: 9-12
Description: All Math classes are team taught. For course descriptions, please refer to Math department, Algebra Essentials, Informal Geometry and Algebra II Essentials.

Course: Social Studies
Duration (Credit): Year (2 credits)
Grade Level: 9-12
Description: All Social Studies classes are team taught. For course descriptions, please refer to Social Studies department, Geography, United States History, Government and Consumer Education.

Course: Resource
Duration (Credit): Year (2 credits)
Grade Level: 9-12
Supplies Needed: Homework, text books, pen, paper, folder, daily planner
Evaluation: Class participation, attendance, and class activities.
Description: Students will learn, practice, and apply study skills to classes they are taking by completing reinforcement exercises as well as homework for those classes.

Course: Science
Duration (Credit): Year (2 credits)
Grade Level: 9-12
Description: All Science classes are team taught. For course descriptions, please refer to Science department,, Biology, Chemistry, Environmental Science and Intro to Physics

Course: Work Study
Duration (Credit): Year (credits depend on work experience)
Grade Level: Grade 12 or teacher recommendation
Description: Students will be enrolled in the S.T.E.P Program. They will participate in completing a job application, resume and interview. Once placement in employment has occurred, students will follow the requirements to continue employment as set up by employer and job placement specialist.