

**BENTON HIGH SCHOOL
COURSE DESCRIPTION
HANDBOOK**

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BENTON HIGH SCHOOL GRADUATION REQUIREMENTS

<u>COURSES</u>	<u>CREDITS</u>	<u>REQUIREMENTS</u>
ENGLISH	4	English 9 English 10 English 11 – Grammar & Comp & American Literature Plus one English Elective
MATHEMATICS	2	Must take one credit in both the Freshmen and Sophomore years
SCIENCE	2	Science 9 Science 10 - Biology or Essentials of Biology
SOCIAL STUDIES	3	World History – Freshmen American History – Sophomore Plus one Soc. Studies Elective
HEALTH	.5	Health – Sophomore year
PHYSICAL EDUCATION	1.5	Must take one semester as a Freshmen
BASIC COMPUTERS	.5	One Semester – Freshmen
PERSONAL FINANCE	.5	One Semester- Junior or Senior Year For class of 2013 and thereafter
ELECTIVES	10	Elective credits can be selected from the above areas as well as from fine arts, vocational, computers, careers, or foreign language disciplines.
TOTAL	23.5	Class of 2012
	24.0	Class of 2013 and Beyond

STUDENTS ARE REQUIRED TO ENROLL IN AT LEAST 6.5 CREDITS PER YEAR WITH A MINIMUM OF 3 CREDITS PER SEMESTER.

23.5 CREDITS NEEDED FOR GRADUATION FOR CLASS OF 2012
24.0 CREDITS NEEDED FOR GRADUATION FOR CLASS OF 2013 & BEYOND

CLASS REQUIREMENTS

FRESHMAN REQUIREMENTS

ENGLISH 9
WORLD HISTORY
MATH – ALGEBRA OR APPLIED MATH 1
SCIENCE 9
BASIC COMPUTERS .5
PHYSICAL EDUCATION .5

ELECTIVES

SPANISH 1
INTRO TO VOCATIONAL ED
AGRISCIENCE
ADVANCED COMPUTERS
BAND/CHORUS
AG WELDING
AG MECHANICS
WOODWORKING
CERAMICS

SOPHOMORES REQUIREMENTS

ENGLISH 10
AMERICAN HISTORY
MATH – GEOMETRY OR APPLIED MATH 2
BIOLOGY/ESSENTIAL BIOLOGY
HEALTH .5
PHYSICAL EDUCATION .5

ELECTIVES

SPANISH 1
SPANISH 2
PERSONAL FINANCE
BUSINESS LAW
LEADERSHIP
LANDSCAPING
WORD APP
INTRO TO BUSINESS
INTRO TO VOCATIONAL ED
AGRISCIENCE
BASIC DRAWING
CERAMICS
BAND
CHORUS
SMALL ANIMALS
BIOTECH/FOOD SCIENCE
ADVANCED COMPUTERS
PHYSICAL EDUCATION
ENVIRONMENTAL SCIENCE
AG. WELDING
AG. CONSTRUCTION TECHNOLOGY
ACCOUNTING
WEIGHT LIFTING

JUNIOR REQUIREMENTS

ENGLISH 11
PHYSICAL EDUCATION .5

SENIOR REQUIREMENTS

ENGLISH CREDIT
- TECHNICAL WRITING
- ENGLISH COMMUNICATIONS
- NOVELS
- GRAMMAR/COMP 2
- CREATIVE WRITING

JUNIOR/SENIOR ELECTIVES

SPANISH 1
SPANISH 2
SPANISH 3
SPANISH 4
PERSONAL FINANCE
BUSINESS LAW
LEADERSHIP
LANDSCAPING
WORD APP
INTRO TO BUSINESS
INTRO TO VOCATIONAL ED
AGRISCIENCE
BASIC DRAWING
CERAMICS
BAND
CHORUS
SOCIAL PROBLEMS
CURRENT ISSUES
ETHNIC MINORITIES
DRAFTING/WOODS
WILDLIFE/NATURAL RESOURCES
NOVELS
AMERICAN LITERATURE
PAINTING
COMPUTER GRAPHICS
CAREERS
TEST PREP
ADVANCED COMPUTERS
WEIGHTLIFTING
ALGEBRA 2
ENVIRONMENTAL SCIENCE
CHEMISTRY
PHYSICS
ANATOMY/PHYSIOLOGY
PHYSICAL EDUCATION
ADVANCED MATH
ACCOUNTING 1
ACCOUNTING 2
SENIOR ELECTIVE
MEDIA PRODUCTIONS

RECOMMENDED PATHS

COLLEGE BOUND

FRESHMAN

English 9
 World History
 Algebra 1
 Science 9
 Spanish 1
 Basic Computers
 Advanced Computers
 Physical Education (.5)

SOPHOMORE

English 10
 American History
 Geometry
 Biology
 Health (.5)
 Spanish 2
 Physical Education (.5)
 1 Elective

JUNIOR

English 11
 English Communications
 Algebra 2
 Chemistry
 Social Problems
 Spanish 3
 Test Prep
 Physical Education (.5)
 1 Elective

Advanced Placement Class**SENIOR**

Technical and Research Writing
 English Communications
 Grammar/Composition 2
 Advanced Math
 Physics or Anatomy/Physiology
 Ethnic/Minority History
 Current Issues

Spanish 4 or an advanced placement class

1 Elective

VOCATIONAL**FRESHMAN**

English 9
 World History
 Applied Math 1
 Science 9
 Basic Computers
 Advanced Computers
 Intro to Vocational Ed
 Physical Education (.5)
 1 Elective

SOPHOMORE

English 10
 Applied Math
 Essentials of Biology
 American History
 Health (.5)
 Physical Education (.5)
 3 Electives

JUNIOR

English 11
 English Communications
 Algebra 1
 Social Problems
 Environmental Science
 Physical Education (.5)
 5 Electives

SENIORS

Creative Writing
 Technical and Research Writing
 Ethnic/Minority History
 Current Issues
 7 Electives

COLLEGE ENTRANCE REQUIREMENTS

Entrance requirements vary somewhat among different college and universities. Students interested in attending a particular college should contact the guidance office to obtain specific information. This should be done early in your high school career. However, the following requirements are generally accepted by most colleges:

1. English - four years.
2. Mathematics - three years of math. Algebra and geometry plus one additional year of upper level math are required. Three to four years of math is recommended, especially for math, science, and engineering students.
3. Social Studies - most colleges will be requiring 3 years of social studies.
4. Science - three credits of natural science (at least two credits must be biology, chemistry, physics, or earth sciences.)
5. Foreign Language - most colleges (such as the University of Wisconsin System) do not require any foreign language for admission. If you take at least 2-4 years of a language in high school, this will help to satisfy foreign language graduation requirements. Colleges prefer 3-4 years of one language or two years of two languages.
Exceptions: UW-Eau Claire and UW-Madison requires two years of a foreign language for admission.
6. An additional four credits need to be earned from the above college preparatory areas, fine arts, computer science, and other academic areas. Some University of Wisconsin System institutions may also accept vocational courses. Students should consult with the high school counselor for information regarding specific institutions.
7. In addition to taking the 17 academic credits for the University of Wisconsin System schools a student needs to maintain a good high school class rank which is based on one's GPA (grade point average). Check with your school counselor for additional information.

Class rank and ACT score entrance requirements for selected UW institutions:

<u>Institution</u>	<u>Rank In Class- Top:</u>		<u>ACT</u>
Richland Center	75%		
Platteville	50%	or	22
Eau Claire	25%		22
La Crosse	25%		23
Whitewater	40%		*
UW-Milwaukee	50%	or	21 (minimum)

*See your counselor for additional information

8. College Entrance Examinations - some colleges do not require any college entrance examination. Others require either the ACT or SAT. Some technical schools require college entrance exams for certain associate degree programs. See your counselor for information concerning the school or schools you are considering attending.

VOCATIONAL AND OTHER SCHOOLS

Entrance requirements of other schools vary, depending on the type of school. It can no longer be assumed that merely graduating from high school guarantees automatic acceptance at a vocational, technical and/or trade school. Many specialized courses of study (practical nursing, engineering, technology, etc.) require a certain grade average plus basic courses in English, math, science, and social studies. To be absolutely certain that you will qualify for the school of your choice see your counselor early in your high school career.

GUIDANCE SERVICES

The high school guidance counselor is available to assist students and parents in the selection of courses. Below are listed some of the services provided by the high school counselor.

1. Interpreting data regarding the student's ability and past academic achievement to give better insight into the student's academic strength's and weaknesses.
2. Educational occupational information is made available to the students and parents to aid students in making decisions regarding high school and post high school options.
3. Counseling is available for students who have social or emotional problems that interfere with their education.
4. The counselor, along with the principal, will be available to aid students in planning their course schedules.

NONDISCRIMINATION POLICY

The Benton School District does not discriminate against pupils on the basis of sex, race, national origin, ancestry, creed, pregnancy, marital or parental status, sexual orientation, or physical, mental, emotional, or learning disability or handicap in any of its education programs or activities. Federal law prohibits discrimination in employment on the basis of age, race, color, national origin, sex, religion, or handicap.

ART

CERAMICS (CLASS SIZE LIMITED TO 12)

1 Semester

1/2 Credit

Elective

This semester course is designed to provide any student with an in-depth view and working knowledge of constructing clay objects, decoration and firing. Both hand building and wheel throwing will be explored as a means to investigate the ceramic process. Fee.

ADVANCED CERAMICS (CLASS SIZE LIMITED TO 12)

1 Semester

1/2 Credit

Elective

A further exploration of the components of Ceramics I, this course is designed to allow students to develop skills in wheel-thrown forms. Students will acquire advanced skills in design, decorating, and glazing methods as well as a basic knowledge of firing procedures and glaze chemistry. Prerequisite: Ceramics 1. Fee.

BSIC DRAWING 1 & 2

1 Semester

1/2 Credit

Elective

This is a comprehensive introduction to beginning drawing with emphasis on composition and representational rendering primarily in black and white. Students will experience with a variety of drawing materials and techniques. Fee.

DRAWING 2 is further development of drawing skills with emphasis on exploration of color and personal interpretation. Prerequisite: Drawing 1. Fee.

COMPUTER GRAPHICS

1 Semester

1/2 Credit

Elective

This course is an introduction to the electronic generation of graphic art and design with the computer. A strong emphasis will be placed on the creative use of a variety of software to solve a series of design problems. The problems will be presented as a series of projects both commercial and artistic. Basic, "hands-on" exercises will be completed in the generation of images as well as placement and incorporation of those images into layouts. No fee.

MEDIA PRODUCTION (Prerequisite Computer Graphic or Consent of Instructor)

1 Year

1 Credit

Elective

In this course, students will learn how to develop and create the High School Yearbook. The first semester includes a photography unit, which focuses on student candids, layout design and picking a theme and cover design for the yearbook. Second semester focuses on creating each yearbook page to add to the flow of the overall design of each yearbook. Yearbook students are also required to video tape basketball games for *Preps on the Net*. Students may be required to work on the yearbook in the summer months. Students will also be asked to participate in field trips and workshops to better understand the yearbook process. Grade 12 . . . Grade 11 with permission of instructor.

PAINTING

1 Semester

1/2 Credit

Elective

Painting is designed for the newcomer to art as well as the veteran. Painting will focus upon learning to paint visual images through becoming familiar with the materials used by artists who paint. Materials to be explored are: tempera paint, watercolor, India ink, and acrylic paint. No prerequisite. Fee.

PAINTING 2

1 Semester

1/2 Credit

Elective

This course is designed to further development of painting skills in various media with emphasis on personal interpretation and direction. Students become proficient in advanced and experimental applications. The development of the student's personal vision, imagination, and originality is encouraged. Experimentation with texture, mixed media, composition, and canvas shape, 2- and 3-dimensionality through painterly explorations will be expected. Prerequisite: Painting. Fee.

3 DIMENSIONAL DESIGN

1 Semester

1/2 Credit

Elective

Comprehensive study of the design elements and principles involved in organizing two-dimensional space and will put this knowledge to work solving problems in color and design relationships. Students develop proficiency in color mixing and the handling of a variety of media in preparation for future art courses. No prerequisite. Fee.

PHOTOGRAPHY

1 Semester

1/2 Credit

Elective

This course is an exploration of the fundamental principles, techniques, and application of camera-based image making. Students will develop their own film in the darkroom. No prerequisite. Fee, plus the cost of film and paper.

BUSINESS EDUCATION

ACCOUNTING I

1 Year

1 Credit

Elective

This course provides an understanding of the basic elements and concepts of double entry accounting systems. Activities include the accounting equation, the accounting cycle, entering the transactions in journals, posting to ledgers, end-of-period statements and reports, payroll systems, banking activities, taxes, uncorrectable accounts, depreciation, inventories, and notes and interest. Automated accounting principles are integrated into many of the activities such as payroll, preparation of a balance sheet, income statements, journal entries, and income tax forms. A "C" average in math is recommended. Grades 10-12.

ACCOUNTING II

1 Year

1 Credit

Elective

This offering will help students acquire in-depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students will learn how microcomputers and accounting software help manage, store, calculate, post, retrieve, analyze, and print accounting information as well as prepare financial reports. Students will become familiar with the use of business papers, forms, and reports involved in keeping financial records and develop skills to analyze and interpret information common to partnerships and corporations. At least a "C" in Accounting I is recommended.

ADVANCED COMPUTER PROGRAMMING

1 Semester

1/2 Credit

Elective

This class is going to start computer programming in the Visual Basic.Net computer language. This is ideal for students interested in learning more about computer programming. This course provides students with a solid background of standard computer logic, which will enhance problem-solving skills. This course is designed to be a rewarding and fun learning experience for those who are interested in continuing in programming and those just looking to have fun with a computer! At least a "C" in Basic Computer Applications is recommended.

BASIC COMPUTER

1 Semester (freshmen)

1/2 Credit

Required

This course is required in 9th grade and provides the student with a strong backing in Microsoft Office Applications covering Word, Excel, PowerPoint, FrontPage, Publisher and Access and integrating the various applications. These are all applications that will be useful for class reports and presentations. It is also the beginning steps towards Computer Programming. Grades 9-12

BUSINESS AND PERSONAL FINANCE

1 Semester

1/2 Credit/1 Credit

Required/Elective

Students must learn to cope with the economic events, stresses, and circumstances that frequently shape their financial situations. ***Business and Personal Finance*** introduces students to the world of money management and finance. They will learn what to do with their money by learning about their financial options and responsibilities, and will learn about the consequences of mismanaged finances. In addition to developing a financial plan, students will use the Internet to help build their confidence in real world situations such as doing business and conducting research, which in turn will help expand their critical reading, writing, analyzing, and computer skills.

BUSINESS LAW

1 Semester

1/2 Credit

Elective

This offering is designed to acquaint students with the basic legal principles relevant to their roles as citizens, consumers, and employees. Content includes the origin of law, the court systems, criminal and civil law, rights and duties, basic elements of contracts, bailment, negotiable instruments, employer-employee relations, and legal affairs affecting property such as ownership, transfer, landlords and tenants, wills and estates, and community property. The law is interpreted through case studies and a mock trial. Attending a court while in session, and various guest speakers are included. Grades 10-12.

INTRODUCTION TO BUSINESS

1 Semester

1/2 Credit

Elective

This course will describe for students how the American business economy operates and to help them prepare to make decisions as consumers, wage earners, and citizens within that economy. The course combines explanations of business and economic concepts with practical applications of these concepts to the real work of the American business economy.

COMPUTER PROGRAMMING I

1 Semester

1/2 Credit

Elective

This course is a continuation of Advanced Computers using the Visual BASIC programming language with object-oriented programming principles. Emphasis is on event-driven programming methods, including creating and manipulating objects, classes, and using object-oriented tools such as the class debugger. Upon completion, students should be able to design, code, test, debug, and implement objects using the appropriate environment.

HEALTH

HEALTH

1 Semester

1/2 Credit

Required

This course is required for all sophomore students. This is a study of personal and social factors affecting the general population and the individual.

ENGLISH

ENGLISH 9**1 Year****1 Credit****Required**

All students are required to pass English 9 in order to graduate. English 9 includes the study of grammar, usage, punctuation, composition, and vocabulary. Literature in English 9 includes a Shakespearean play, Greek and Roman mythology, short stories, and poetry. Students will also work to develop their communication skills through public speaking and several writing activities. Accelerated Reader is required.

ENGLISH 10**1 Year****1 Credit****Required**

All students are required to pass English 10 in order to graduate. English 10 includes traditional grammar, usage, punctuation, composition, and vocabulary. Literature in English 10 includes a selection of classical, traditional, and modern writings to aide in the development of literature and writing skills. Students will be guided through the procedure for writing a term paper. Accelerated Reader is required.

ENGLISH COMMUNICATIONS**1 Semester****½ Credit****Elective**

This course is designed to help students increase their public speaking and interpersonal communication skills. Students will have several opportunities to speak in front of an audience in order to increase their confidence levels in public speaking. Various activities and assignments will be applied including but not limited to: Researching, various speaking opportunities, preparing for job interviews, debates, and group presentations. Accelerated Reader is required. (Grades 11 – 12)

GRAMMAR AND COMPOSITION**1 Semester****½ Credit****Elective**

This is a college bound writing/grammar course. Students will apply the use of traditional grammar and mechanics to several compositions formats including: informative, persuasive, and descriptive papers. Time will be spent on researching and writing the MLA format paper. Accelerated Reader is required. (Grade 12)

ENGLISH 11 (AMERICAN LITERATURE)**1 Year****1 Credit****Required**

All students are required to pass English 11 in order to graduate. This course offers a chronological survey of the development of literature in the United States. The course will read and discuss selected pieces from early Americans, Native Americans, the Age of Literary Nationalism, the American Classics, the Jazz Age, Black Literature, and contemporary authors. Students will also study grammar and vocabulary as a part of this course. Writing projects will be assigned through out the course. Accelerated Reader is required. (Grades 11–12)

CREATIVE WRITING**1 Semester****½ Credit****Elective**

This class is designed to introduce students to a wide variety of writing styles and techniques. Students will study the elements of various types of writing, examples of these writings, and then develop their own writing in each mode studied. Poetry, playwriting, and short stories are a few of the topics covered in this class. Accelerated Reader is required.

NOVELS AND MULTICULTURAL LITERATURE**1 Year****1 Credit****Elective**

This class is designed to explore the various genres of literature. This course will include non-fiction, biography, science fiction/fantasy, and mystery. Diverse groups of ethnic literature will also be included. Various writing and other projects will be assigned based on the novels/topics studied.

TECHNICAL WRITING

1 Semester

½ Credit

Elective

Within this class, students would be able to learn about and construct cover letters, resumes, memos, and other forms of professional written communications. Students will also learn how to express various instructions through the use of writing. This course has an articulation agreement with Southwest Technical College. Accelerated Reader is required. (Grades 11-12)

FAMILY & CONSUMER EDUCATION

FOODS 1

1 Semester

½ Credit

Elective

Are you ready to learn how to cook and bake? If you are this would be the perfect opportunity for you. In this class you will be learning about healthy meal planning, food preparation, cultural foods, and many other topics. The skills that you will be learning can be applied at home, in college, and even to impress the relatives and other classmates.

CUTURAL FOODS

1 Semester

½ Credit

Elective

Would you like to expand your knowledge of the world and its foods? This class explores cultures all over the world and samples its cuisines. Join the class and experience something new.

LIFE SKILLS

1 Semester

½ Credit

Elective

Are you prepared for life after high school? Do you understand how a checkbook and a budget function? Can you prepare balanced meals on a budget? Are you capable of purchasing clothing wisely and caring for them? Are you familiar with Family Living Issues? These are skills all young people need to be confident consumers and a functioning member of society.

MATH

ADVANCED MATH (Pre-Calculus)

1 Year

1 Credit

Elective

This is a strenuous course designed for the college bound students specifically as a preparation for calculus. Topics will be covered quickly and if you are not required to take calculus in college, then you need not take this course. Topics include trigonometry, sequence, series and limits, algebraic functions, exponential and logarithmic functions, linear algebra, matrices and vectors, conic sections and statistics. . A graphing calculator is required. You may either purchase your own or rent one. The calculator must be returned in good working order. Ask the teacher for details. Grades 11-12.
Prerequisite - Algebra II (recommend a grade of "B" or better and permission of the instructor.)

ALGEBRA I

1 Year

1 Credit

Elective

An introductory course in algebra covering variables, integers, exponents, equation solving, problem solving, polynomials and their factors, inequalities, fractions, linear equations, and graphing. Emphasis will be on using algebra as an aid to solving everyday problems. This course is essential for students planning on furthering their education after graduation. **A freshman course that is required if a student is not enrolled in applied math and is an elective for grades 10-12.**

ALGEBRA II

1 Year

1 Credit

Elective

A continuation of Algebra I to further develop algebraic concepts of solving equations and inequalities, polynomials, exponents, rational expressions, lines, functions, and graphing. The student will be introduced to radicals, quadratic equations, complex numbers, logarithms and trigonometry. Expect Algebra II to be much more strenuous than Algebra I. If you did not earn a C or better in Algebra I or did not enjoy Algebra I, this course is not for you. A Graphing Calculator is required. Students are required to purchase or rent a graphing calculator from the school. When renting, the calculator must be returned in working order. Ask the teacher for details. **Prerequisite; Algebra I (Recommend a grade of "C" or better or by consent of instructor.)**

APPLIED MATHEMATICS I

1 Year

1 Credit

Elective

.This course offers reinforcement of basic concepts of percents, payroll & checking skills, ratios, area, volume and geometry. The fundamentals of algebra, statistics, probability and trigonometry are introduced. Applications of these skills and the use of calculators, computer programs, and other technology are stressed. Since this course does not count toward admission to college, you should check with the guidance counselor if this is a concern to you. **A freshman course that is required if a student in not enrolled in Algebra1.**

APPLIED MATHEMATICS II

1 Year

1 Credit

Elective

This course offers reinforcement of basic concepts of percents, payroll & checking skills, ratios, area, volume and geometry. The fundamentals of algebra, statistics, probability and trigonometry are introduced. Applications of these skills and the use of calculators, computer programs, and other technology are stressed. **Prerequisite: Applied Math I.**

GEOMETRY

1 Year

1 Credit

Elective

A study of basic geometric figures, inductive and deductive reasoning, proof writing, quadrilaterals, congruent triangles, ratio and proportions, Pythagorean theorem, circles, areas and volumes, constructions and transformations. This course is essential for students planning on furthering their education after graduation. Grades 11-12. **Prerequisite - Algebra I (recommend a grade of "C" or better.)**

MUSIC

BAND SECTION:

1 Year

½ Credit

Elective

INSTRUMENTAL MUSIC is offered to students in grades 5-12 as an opportunity to develop a wide range of musical and life skills including creativity, communication, critical assessment and commitment. Students will be active participants in a comprehensive study of high quality music. Instruction begins as early as 5th grade but any student can begin instrumental study at any time with instructor consent. Students who wish to participate but do not own an instrument should see the instructor about renting a school owned instrument

CHORUS

1 Year

½ Credit

Elective

VOCAL MUSIC provides individual and group instruction. Goals are to: train voices in proper vocal production; teach music fundamentals; improve artistic creativity; promote confidence by thorough preparation; and provide rewards. Many concerts and performances are given throughout the year.

There are opportunities to perform in conference Honors Choir and to participate in solo and ensemble festivals and large group festivals - plus singing at community events and going on a performing tour with the band every other year. Both the high school and junior high choirs may take an annual trip to see a locally produced Broadway musical.

PHYSICAL EDUCATION

ADVANCED PHYSICAL EDUCATION / OPPORTUNITIES IN ATHLETICS

1 Semester

½ Credit

Elective

This class is designed for upper class students who have completed their required physical education classes. This class is designed to increase the student's involvement in the physical education process by giving them experience in the organization of physical education and athletics. Activities for the students would include officiating games, organization of tournaments, book keeping for athletic events, and participating in organized P. E. activities. Students must have teacher and administrative approval before registering for class. **(Grades 11-12)**

PHYSICAL EDUCATION

1 Semester

½ Credit

Required

Team Sports: Flag football, soccer, basketball, volleyball, tennis (doubles), softball, floor hockey, and speedball. Individual Sports: Physical fitness test, weight training/aerobic exercise, and track & field. Also, dance - social, square, folk, badminton, table tennis, shuffleboard, darts, and pickle ball. **(Students must take .5 Credits in grades 9 – 11)**

WEIGHT LIFTING

1 Semester

½ Credit

Elective

This class is designed to compliment the regular physical education program. This class is open to all students who have or will be completing their regular physical education requirements. This class is designed to improve the strength and fitness of the student, but will also include information on goal setting, nutrition in athletics, the dangers of steroids and performance enhancing drugs and fitness assessment. A small fee may be required for the fitness testing. **(Grades 10 – 12)**

SCIENCE

ANATOMY AND PHYSIOLOGY

1 Year

1 Credit

Elective

This course is an advanced study into the human body. Basically the course covers the physiological and anatomical aspects of the human body. This course includes the study of cells and cellular metabolism, tissues, the skeletal, muscular, integumentary, circulatory, respiratory, digestive, excretory, nervous immune, endocrine and reproductive systems. Also, infectious diseases and the physiological consequences of tobacco, alcohol, and drugs are covered. **Prerequisite: Biology, (Recommend a grade C of better).**

CHEMISTRY

1 Year

1 Credit

Elective

This course is designed to introduce potential college science majors or any interested students to chemistry. Topics covered will be making solutions, phase changes at the atomic level, conservation laws, and periodicity of the elements. Advanced algebra needed. Problem solving is a major portion of this course. Grades 11-12. Alternates years with physics I. **Requirement - Physical Science and Biology (Recommend a grade of C or better).**

ENVIRONMENTAL SCIENCE

1 Semester

½ Credit

Elective

This is an elective course that covers ecology (biosphere & biomes, ecosystems-structure & relationships, populations, and the protecting of life). Also covering are mineral and energy resources and their management, as well as forest, fish, and wildlife management. Two environmental books are also read during the 2nd and 4th quarters. Grades 10 -12.

ESSENTIALS OF BIOLOGY

1 Year

1 Credit

Required

This is a comprehensive biology class that presents the essential concepts of Biology. It will parallel the Modern Biology curriculum but is not a college-bound course. Grade 10. **Required if not in Biology – Grade 10.**

BIOLOGY

1 Year

1 Credit

Required

This course is related to Biological Science Curriculum Study. It covers biological themes & processes, classification, cell structure, reproduction, meiosis, mitosis, and genetics. This is a class for college-bound students. **Required if not in Essentials of Biology - grade 10.**

PHYSICAL SCIENCE (SCIENCE 9)

1 Year

1 Credit

Required

This is a general science course covering weather, ecology, food chemistry, biochemistry, soil science and natural resources. It also covers atomic structure, states of matter, heat and energy **Required for grade 9.**

PHYSICS I

1 Year

1 Credit

Elective

This course is designed to introduce potential college science majors or any interested students to physics. Major topics are mechanics (force and motion) and energy changes associated with changes of state. As problem solving is important, advanced algebra, trigonometry and geometry are useful. This alternates with Chemistry I. Grades 11-12. **Required - Physical Science. Student must have received a C+ or better in Algebra I**

SOCIAL STUDIES

CURRENT ISSUES

1 Semester

1/2 Credit

Elective

This course will begin with an investigation of world power and its impact on the history of the world today. Students will investigate the relationships of the Cold War era and its relationships to world Communism's rise and decline. Topics are variable as situations change from year to year, but examples could include the following: regional conflicts in the Middle East, revolutions or political unrest in other third world nations, the role of the United Nations, health and environmental issues, and the role of future lifestyles, career opportunities, etc. **At least a "C" in World History and U.S. History is recommended.** Grades 10-12.

ETHNIC/MINORITY HISTORY

1 Semester

112 Credit

Elective

Students will investigate immigration patterns to the U.S. plus research their own "ethnic heritage" by completing a family tree. They will also examine the historical experience of Native Americans, African-Americans, Latinos, Asian-Americans, and American women; topics will include their roles in American history and their contributions in the humanities. The myths behind stereotyping and prejudice will also be investigated. This course will be offered on an alternate year basis. **At least a "C" in World History and U.S. History is recommended.** Grades 10-12.

SOCIAL PROBLEMS (1 semester Sociology/ 1 semester Psychology)

1 Year

1 Credit

Elective

Students will examine the basic concepts of sociology and psychology and apply them to today's most pressing social issues. Topics to be covered include an introduction to sociology theory, an examination of cultures, social norms, gender equity, and role of family, suicide, deviance, and social development. One to two term papers are required plus outside reading. Grades 12. Grade 11 with teacher approval.

UNITED STATES HISTORY

1 Year

1 Credit

Required

This course will examine the history of the U.S. in chronological order from the Revolutionary War through the twentieth century. Students will investigate and discover the history of the American people through examining our political, social, economic, and cultural heritage. Emphasis will be placed on late 19th and 20th century United States history. **Required in Grade 10.**

WORLD HISTORY

1 Year

1 Credit

Required

Students will examine mankind's divergent cultural history from earliest recorded history. Students will be expected to demonstrate geographic principles along with social studies skills. Emphasis is placed on comparing and contrasting civilizations to modern cultures throughout the world. Topics will include ancient civilizations from the Middle East, Asia, and Europe. **Required in Grade 9.**

SPANISH

SPANISH I

1 Year

1 Credit

Elective

A "C" average in English is recommended but not required. To help students become proficient in listening, speaking, reading, and writing in Spanish, learning activities provide practice in basic vocabulary and grammar concepts while application activities encourage students to apply language skills to real-life situations. Cultural insights and information are interwoven throughout the course to help students understand and appreciate Spanish-speaking people and countries. Grades 9-12.

SPANISH II

1 Year

1 Credit

Elective

Spanish II is a continuation of the listening, speaking, reading, writing, and cultural activities begun in Spanish I. Completion of this course should give the student a good working knowledge of Spanish. **At least a "C" in Spanish I is recommended.** Grades 10-12.

SPANISH III

1 Year

1 Credit

Elective

In this course students continue to develop proficiency in listening, speaking, reading, and writing skills through exposure to Spanish literature, composition, and higher levels of grammar. They are given the opportunity to apply skills already learned. Grades 11-12. **At least a "C" in Spanish II is recommended.**

SPANISH IV

1 Year

1 Credit

Elective

In this course students continue to develop proficiency in listening, speaking, reading, and writing skills through exposure to Spanish literature, composition, and higher levels of grammar. They are given the opportunity to apply skills already learned. Grades 11-12. **At least a "C" in Spanish III is recommended.**

VOCATIONAL EDUCATION (AGRICULTURE)

INTRODUCTION TO VOCATIONAL EDUCATION

1 Semester

½ Credit

Elective

This is an introductory class much like agriscience for those not sure what career field they want to pursue. In this class we will do a wide range of small shop projects in a wide variety of areas from woodworking, to welding, to engines, to electricity, to much, much more. Students wanting to learn by doing hands on projects need to sign up for this class.

AGRISCIENCE (Offered in 2011-12)

1 Semester

½ Credit

Elective

This introductory course is geared toward students interested in exploring a large number of agriculture industries and those not sure of what they want to go into for a career area, I'm certain you will find something in this class that trips your trigger (after all, agriculture employs nearly 25% of the US working population). This is a class which will include a large number of labs and a great deal of hands on experiences for the student. Students interested in learning about the world of agriculture should sign up for this course.

WOODWORKING I

1 Semester

½ Credit

Elective

In this introductory wood working class students will learn how to use and maintain wood working tools, both power tools and hand tools. This course is a project driven course which allows students to build several small class projects learning to perfect their skills and finally design and market a wood product. The final part of the class allows students to build an independent small wood working

project, with instructor approval. Students will need to supply materials or pay for shop wood supplies used.

WOODWORKING II

1 SEMESTER

½ credit

Elective

This class is a step up from Woodworking I. This is a nearly 100% project driven class in which students will be building large scale (or several smaller) wood working project(s) of their choice, with instructor approval. Students will supply materials for this project or will pay for shop materials used. This course is graded on your daily participation and progress as well as your project. If you are not going to be productive, do not sign up for this course.

ANIMAL SCIENCE (Will be offered in 2012-13)

1 Semester

½ Credit

Elective

This class will look at the world of animals both small (pets) and large (production) animals. Students will learn about various breeds, feeding, nutrition, selection, marketing, and overall care and handling of these animals. Students will gain hands on lab experience with several of these animals. We will also take several class field trips to various animal businesses. This is an excellent class for anyone interested in the animal fields or looking into becoming a veterinarian or working on a livestock farm or simply wanting to learn how to better care for pets.

LANDSCAPING (Will be offered in 12-13)

1 Semester

½ Credit

Elective

In this class, students will be designing several landscape design projects, make a 3-D home landscape, and when weather permits, we will be landscaping outside the school and around town. This is a great class for anyone interested in the landscaping industry, golf course management industry, or nursery management industries. We will take a few field trips as weather permits to view and evaluate are landscape projects completed by professionals.

HORTICULTURE (Will be offered in the fall of 11-12)

1 Semester

½ Credit

Elective

In this class you will learn everything you ever wanted to know about plants. We will grow several types of plants in class and learn the basics of plant identification, plant care, nutrition, reproduction, chemical vs. organically grown plants, tissue culture, and much, much more. We will be taking a few field trips to tour a greenhouse and seed production plant. This is an excellent class for anyone interested in the plant or crop industry.

WELDING I

1 Semester

½ Credit

Elective

This is an introductory welding course. Students will learn the basics of welding through class instruction, demonstration, and lab/shop experiences. Types of welding students will experience are oxyacetylene cutting, welding, and brazing; shielded metal arc welding and plasma arc cutting; resistance welding, and MIG or wire feed welding. Students will have the opportunity to practice each type of weld and apply them to a small metal project of their choosing in the later half of this particular course.

WELDING II

1 Semester

½ Credit

Elective

This course is offered in cooperation with Welding I. This is a project based course, which will allow students to improve their welding skills. Students will also assist Welding I students in learning how to use equipment properly, and how to improve welding techniques. In addition, students in this course will be required to complete a larger welding project or several smaller projects with instructor approval. These project(s) will be students to take home when completed and students will have to

supply metals for the project or pay for materials used on their projects. This is a great course for students looking to enter the welding profession or who just want to work on improving their welding skills.

AUTOMOTIVE TECHNOLOGY I

1 semester

½ Credit

Elective

This course will instruct students on the basics of car care. Students will learn to change oil, rotate tires, maintain proper fluid levels and air pressure. Students learn the basic components of an automobile and how each functions. They will have the opportunity to disassemble an engine and measure engine parts to see how wear affects engine performance and then reassemble the engine to see and do basic trouble shooting on the engine. Students are also allowed to work on their own vehicles in the weekly lab and apply the week's lessons to care for their cars.

AUTOMOTIVE TECHNOLOGY II

1 Semester

½ Credit

Elective

This course is offered in conjunction with Automotive Technology I. This course takes the concepts learned in Automotive Technology I and applies them to an independent large scale auto project approved by the instructor. Students should have a project in mind when looking at this particular class.

AG MECHANICS

1 Semester

½ Credit

Elective

This class explores the history of agriculture mechanics, and basic maintenance and repair of agricultural machines. This is a project driven, hands on class. The majority of the class instruction is done through practical application lessons in the shop dependent upon the types of machines we are working on. We will also take several class field trips to see ag equipment shops working and explore the ag mechanics industry. A great class for anyone interested in going into the ag mechanics or engineering field.

ELECTRICITY

1 Semester

½ Credit

Elective

This class instructs students on the basics and application of electricity. Students will learn how to do basic home electrical wiring and how to hook up more complex circuits though lab/shop experience. Students will trouble shoot electrical problems and learn how to read electrical diagrams to see how a circuit should properly function. We will cover small electrical motor trouble shooting and repair. We will look at alternative energy and build a small solar electrical panel as well. A course recommended for anyone entering the electrical field or anyone who just wants t learn the basics of how electricity works.

MISCELLANEOUS COURSES

CAREERS

1 Semester

½ Credit

Elective

This course will consist of speakers from various occupations and students will visit a few work sites to learn about different careers. Students will be required to do a job shadow in a field of interest to them. They will also learn how to fill out job applications, print their own resume and do job interviews. This class is for juniors and seniors only.

TEST PREP

1 Semester

1/2 Credit

Elective

Test Prep is a course designed to maximize student's performance on standardized tests (ACT, P-SAT, SAT). Students will become aware of their specific strengths and weaknesses through diagnostic testing. Remediation and development will be part of the program. Test familiarity, test taking tips and relieving test anxiety are additional topics that will be addressed. Grade 11. Grade 10 with permission. This course is recommended for students who plan on attending a four-year college.

YOUTH APPRENTICESHIP

2 Year Program

2 Credits Per Year

Elective

Youth Apprenticeship is a one or two-year elective program that combines academic and technical classroom instruction with mentored on-the-job learning for high school students. This is designed for the junior and/or senior years. Hands-on learning at the job site is combined with classroom instruction to help students make the connection between school and the world of work. Students go through an application and interview process at the business. Youth apprenticeships are available in finance, health services, auto collision, auto technician, manufacturing and machining, tourism, logistics, information technology, production agriculture, graphic arts/ printing, welding, or drafting & design.

CO-OPERATIVE

2 Semesters Max.

2 Class Period Per Day Max.

Senior

Elective

Only

Students must first do a workbook component prior to being placed off site at a job site. The job must be in a field that the student may be interested in pursuing after high school. The job placement should not be with a family business. Administrative approval is needed.

ADVANCED PLACEMENT CLASSES

The courses will be offered on-line through Wisconsin Virtual School. A Benton teacher will serve as the course LEG.

The courses we would like to offer in 2011-12 include AP Biology, AP English, and AP Statistics. If you have interest in these or any AP Courses, please contact Mrs. Wildes.