PRCDHS & JR HIGH COURSE DESCRIPTIONS

Updated May 2010

TABLE OF CONTENTS

The professional staff of the Powder River County District High School and Junior High School offer this handbook of Course Descriptions in order that you, the student and parent, can make informed choices concerning your academic interests while enrolled in Powder River County District High School and Junior High School.

The Unified Board of Trustees has determined the following classes must be successfully completed before graduation can be achieved, both at the Junior High and High School level.

JR HIGH REQUIREMENTS

7th GRADE - During the school year you will take 5 academic classes: Math, English, Reading, Science, and Social Studies, as well as one semester of PE.

8th GRADE - During the school year you will take 4 academic classes: Math, English, Science, and Social Studies, as well as one semester each of PE, Keyboarding and Montana History.

Junior High			
7th Grade		*8th Grade*	
Semester	Semester	Semester	Semester
Math	Math	Math	Math
Science	Science	Science	Science
English	English	English	English
Reading	Reading	Montana History	Keyboarding
Social Studies	Social Studies	Social Studies	Social Studies
PE		PE	

HIGH SCHOOL GRADUATION REQUIREMENTS

To graduate from Powder River County District High School, students must earn a minimum of 22 high school credits:

Graduation Requirements
4 years English ....(4 credits)
3 years Math ....(3 credits)
3 years Social Studies ....(3 credits)
2 years Science (3 recommended) .....(2 credits)
1 year Computer (Word/Excel)..........(1 credit)
1 year Fine Arts ....(1 credit)
1 year Practical Arts ....(1 credit)
1 Year PE...(1 credit)
Electives ....(6 credits)
TOTAL ....22 credits

FOUR YEAR ACADEMIC PLAN

High School			
Freshman		**Sophomore**	
Semester	Semester	Semester	Semester
Earth Science	Earth Science	Biology	Biology
English I	English I	English II	English II
Math	Math	World History	World History
PE	Driver Education	Math	Math
		PE	

Junior		**Senior**	
Semester	Semester	Semester	Semester
English III	English III	English IV	English IV
US History	US History	PAD	PAD
Math	Math		

JUNIOR HIGH SCHOOL
Course Descriptions

7TH GRADE MATH

This class builds upon the mathematical concepts developed in elementary school. Basic processes such as addition, subtraction, multiplication, and division; operations with decimals and fractions are reinforced and mastered. Other concepts such as elementary geometry, percent, equations using positive and negative integers, problem solving and probability are introduced and developed, as well as introduction to variables including solving elementary algebra equations and arithmetic operations with variables. The Saxon math utilizes diagrams and ratio boxes throughout the course to solve word problems dealing with direct variation and percents.

8TH GRADE MATH

The students review elementary math concepts (number theory, fractions and the metric system). Students will also begin to work with equations, percentages, integers, and statistics. The successful completion of 8th grade Math should prepare the student to advance to High School Algebra I. Saxon Math stresses problems that do not require a calculator, so for most of the year calculators are not used.

7TH GRADE ENGLISH

7th grade English is designed to aid students in developing skills in spelling, vocabulary, listening, following directions, note taking, doing research on the Internet, practicing grammar rules, and writing. Emphasis will be placed on the mechanics and rules of grammar and their applied use through writing assignments.

8TH GRADE ENGLISH

8th Grade English includes all areas of the language arts: writing, reading, speaking, and listening. Grammar will cover the main parts of speech as well as sentence structure. Literature study will include short stories, novels, and poetry. Writing will encourage problem-solving abilities as well as expand their thinking process by working on various activities such as journals and essays. Accelerated Reader will also be a required class activity.

7TH GRADE READING

7th Grade Reading is a systematic program of instruction aimed at filling in gaps in basic reading skills, while at the same time developing a continuum of instruction to develop reading, vocabulary and comprehension skills. Recreational reading interest is also nurtured through the Accelerated Reader Program. Literary terms and human values are studied through the context and makeup of the narratives and the ensuing discussions.

7TH GRADE LIFE SCIENCE

Life Science is an introductory course in biology. In this class the students study the cell and cell processes, plant and animal systems, classification, ecology, and the three domains of life.

8TH GRADE PHYSICAL SCIENCE
Physical Science is a branch of science that is concerned with the study of matter and energy in the non-living world. This course includes the study of motion, work, heat, changes in matter, sound, light, electric charges, magnetism, and nuclear energy. The broad coverage of physical science topics develops a sensitive awareness of the interaction of energy and matter and its impact on society.

7TH GRADE GEOGRAPHY (Social Studies)
This class provides the students with an understanding that the environment is made up of physical and cultural features. The students study how the natural environment and people's activities are associated in different continental regions. Map study is included for geographic literacy.

8TH GRADE AMERICAN HISTORY (Social Studies)
The class is a comprehensive survey of the history of the United States from colonial times up to the Civil War era. The course is designed to help the students gain a better understanding of how the American people have used their intelligence, their skills and their ability to adapt to meet the challenges of their times and form our democracy.

8TH GRADE MONTANA HISTORY
One semester class opposite keyboarding.
This course is a survey of the history of Montana. It will range from the geographic forces that had a part in shaping this great state, the Mesosaurus, our state fossil, fur trappers and explorers, state and local conflicts with Native Americans, and social, economic and political changes up to modern time. It will be the study of the evolution and evaluation of important personalities, periods and trends in the development of the territory and state, ending up with a look to the future.

8TH GRADE KEYBOARDING
One semester class opposite MT History.
Keyboarding is designed to teach students all the functions of the keyboard. The students will learn the proper procedures, techniques, and posture to use when typing, the alphabetic, numeric, symbolic, and punctuation keys placement by touch, and correctly use the numeric keypad. Keyboarding skills will be developed to a level of proficiency, and the students will learn how to initiate and use the primary features of a basic word processing program. Speed, accuracy, and knowledge will be measured and evaluated by drills, exercises, timings, and assignments involving creating and formatting documents.

JH P.E. (7-8)
This is a combined 7th/8th grade physical education class with emphasis on team sports. Students are required to take one semester of PE during each year of Junior High School. Along with team sports, the class focuses on maintaining a good attitude. Health will also be covered. The teacher will determine the health subject area.

JUNIOR HIGH ELECTIVES

JH SPANISH
At the completion of JH Spanish, students will be able to carry on simple conversations and write simple sentences/paragraphs in Spanish. Students will also develop an understanding of Hispanic culture. This is a full year course taught over interactive TV. JH Spanish is offered every other year in conjunction with Spanish II (SY 2010/11, SY 2012/13).

JH TECHNOLOGY (Shop)
This is a one semester class which may be taken once during Junior High.
Junior High Technology is a class designed to introduce students to the technology that affects their lives through the use of hands on projects. The 1st quarter is devoted to woodworking and the 2nd quarter to technology projects.

JH CHOIR
This class is offered 2nd semester only and may be taken both years of Junior High. Choir is a group study of all styles of music, including basic theory, harmony, 2-part singing, and the study of various composers.

BEGINNING BAND (JH and HS)
This class is offered 1st semester only. Beginning musicians are encouraged to participate. It is an introduction to the instrumental music group. At the conclusion of this class, the student will be better able to join the JH or HS Band.

JH BAND
This class may be taken for either one semester or the academic year. It may be taken both years of Junior High. It is the 7th and 8th grade instrumental music group providing training for high school band. Performances include concerts for the community and the opportunity to play with the Pep Band.

JH FAMILY CONSUMER SCIENCE (FCS)
This class is offered one semester only and may be taken once during Junior High.
The course is designed to teach the basics of cooking/preparing simple meals, sewing, design of personal space, and caring for children. Students learn basic life skills with hands on activities.

JH ART
This is a one semester class and may be taken once during Junior High.
The major areas of art such as drawing, painting, clay, sculpture, and design are introduced. Art appreciation will be incorporated into the class. The fundamentals presented help to lay a foundation for art classes offered in High School. A class fee will be charged to participants.

JH ENRICHMENT

This class is available to students who are on the honor role. Students will be doing weekly assignments involving logic, deductive thinking and other mentally challenging puzzles. Students will also create individual class projects of their own choosing. The projects must involve: 1) Research and learning new skills or knowledge. 2) A creative product. 3) Presentation of product to an audience. This class may be taken for one semester or the full academic year and both years of Junior High.

JH ENHANCED STUDY HALL

This study hall has been established for students who require additional help in academic subject areas. The supervising teacher will explain concepts students do not understand and monitor the completion of classroom assignments. The goal of this program is to help students develop organizational skills, become more accountable for their own work, and improve self-esteem while enhancing their academic learning.

JH STUDY HALL

Study hall is provided to all Junior High students who wish to spend a class period quietly working on academics. The study hall teacher is available for assistance when asked. Study hall may be taken for the entire year or for a semester only, and both years.

POWDER RIVER COUNTY DISTRICT HIGH SCHOOL
COURSE DESCRIPTIONS

MATHEMATICS

GENERAL MATH (9-10)
Students will review math concepts covered in upper elementary and junior high school math. This will include a review of number theory, fractions, percents, addition, subtraction, multiplication and division. Students will be introduced to the concepts related to equations and solving algebraic equations. This course is designed for students who are having some difficulty with math concepts taught in junior high school or students who transfer from another school system and do not have the background for Algebra I. This course should prepare students to go into Algebra ½ or Algebra I.

ALGEBRA 1/2 (9-10)
Students will be introduced to concepts related to equations and solving algebraic equations. The students will review math covered in the upper elementary and junior high school. This will include a review of fractions, percents, addition, subtraction, multiplication, and division. This course is designed for students not yet ready for Algebra I because of difficulties with math concepts in the junior high school level. The course is designed to prepare students for Algebra I; however, students having difficulty with these concepts may take General Math the following year.

ALGEBRA I – SAXON (8-12)
This course will introduce students to positive and negative numbers and their arithmetic operations including those same operations with variables; solving linear equations; graphing points on a number line; multiplying variables and extensive rules of exponents; adding like terms; solving equations with one variable; solving systems of equations involving two variables with algebra and graphs; study of lines including slope and y intercept; solving rational equations; finding perimeter, circumference, area, and volume of various shapes and solids; study of statistical terms such as mean, median, mode, range, stem and leaf, and box and whisker plot; factoring binomials and trinomials and the use of the zero product rule; quadratic formula and solving quadratic equations; study of exponential growth and exponential functions; solving distance rate time problems; and the study of functions including domain and range.
***Prerequisite*: An 8th Grader taking Algebra I must have a B+ or higher in Math 7 or instructor approval.

ALGEBRA II – SAXON (9-12)
This course takes the place of geometry. Algebra II-S covers geometry, solving equations, graphing lines, multiplication of polynomials, uniform motion problems, sine, cosine and tangent, direct and inverse variations, quadratic equalities and inequalities, and logarithms.
***Prerequisite*: Grade of C or better in Algebra I-S or instructor approval.

ADVANCED MATH I – SAXON (10-12)

This course will prepare students for college mathematics courses. Topics discussed throughout the course include: graphing various functions, equations, and inequalities; study of domain and range; introduction to trigonometric functions of acute angles; solution of right triangles; introduction to inverse trig functions; two column geometric proofs; distance rate time problems; solving area and volume of various geometric shapes; solving systems of equations with two or three variables; various types of linear equations such as slope intercept, point slope, double intercept, and standard form; study of circles and their equations; translation of functions including trigonometric, absolute value and inverse functions; statistical analysis and linear regression on the TI-84 graphing calculator; study of analytical geometry shapes such as circles, parabolas and lines from a locus stand-point; further study of exponents; study of permutations, combinations and probability; study of common and natural logarithms and their inverse exponential functions; introduction to complex and imaginary numbers and solving equations involving such.

***Prerequisite*: Grade of C in Algebra II-S or instructor approval

ADVANCED MATH II - SAXON (11-12)

This course will prepare students for college mathematics courses. Topics discussed throughout the course include: graphing various functions, equations, and inequalities; study of domain and range; introduction to trigonometric functions of acute angles; solution of right triangles; trigonometric identities; law of sine's and law of cosines, inverse trig functions; analytic geometry; two column geometric proofs; distance rate time problems; solving area and volume of various geometric shapes; study of permutations, combinations and probability; introduction to complex and imaginary numbers and solving equations involving such, solving systems of equations with two or three variables; various types of linear equations such as slope intercept, point slope, double intercept, and standard form; study of circles and their equations; translation of functions including trigonometric, absolute value and inverse functions; statistical analysis and linear regression on the TI-84 graphing calculator; study of analytical geometry shapes such as the ellipse, hyperbola, circles, parabolas and lines from a locus standpoint; study of common and natural logarithms and their inverse exponential functions; study of matrices and determinants and their usefulness in solving systems of equations.

***Prerequisite*: Grade of C in AM I-S or instructor approval.

BUSINESS MATH (11-12)

Business math is designed to provide students with the skill to solve basic math problems that everyone must cope with in daily life. This course will prepare the student to be a competent consumer and businessperson in tomorrow's marketplace. Students will receive problem-solving practice on taxes, buying, banking, home and car expenses, insurance and investments, budgeting and basic business concepts.

CALCULUS (12)

This course will provide students with a basic understanding of limits and how they are used to derive concepts found in calculus. Applications to general science, finance, business, and statistics are included. Extensive time is given to "e" and "ln"; exponential and logarithm functions and their derivatives and integrals. The first derivative test, second derivative test, and the Fundamental Theorem of Calculus are derived and used throughout the course. Various methods of finding derivatives and integration are explored. Calculators are used extensively to enhance (not replace) mathematic principles.

Students may receive college credit for this class through Miles Community College with payment of credit fees and taking both semester tests.

***Prerequisite*: B or better in AM II-S or equivalent and instructor approval.

SCIENCE

EARTH SCIENCE (9)

Earth Science is the introduction to the science of earth materials and physical and chemical processes in, on and around the earth. Includes the study of minerals, rocks, maps, weathering, erosion, earthquakes, plate tectonics, and astronomy. The class is designed to help the student become aware of the earth's dynamic systems in action around us. This is a required science class.

BIOLOGY (10)

In this class students study basic biochemistry, the cell and cell processes, genetics, evolution, and taxonomy. If time permits during the school year ecology will also be covered. Each area of the course is highlighted by laboratory exercises, computer simulations, and other hands on learning experiences. This is a required science class.

ADVANCED BIOLOGY (11-12)

This is a college prep class and the material is detailed and covered rapidly. Students will be responsible for much of their own learning. Emphasis will be placed on the study of human anatomy, physiology, and histology. If time permits in the school year the kingdoms will also be covered.

***Prerequisite:* Earth Science and Biology, grade of at least B for both semesters of biology or instructor approval

BIOLOGY-SPECIAL TOPICS (12)

This course is for students who are self-motivated and very interested in Biology. It is ideal for college bound seniors. Students will have a large impact on the direction of the course. Possible topics to be considered include Botany, Advanced Genetics, Advanced Physiology, Microbiology, Comparative Anatomy, and a closer examination of the kingdoms.

***Prerequisite*: 2 years of Biology (General and Advanced), one year of Physical Science (Earth Science), and a cumulative GPA of 3.0, or instructor approval.

CHEMISTRY (11-12)

Chemistry is the study of matter and the changes that it undergoes. The course includes the study of data analysis, properties and changes in matter, structure of the atom, periodical relationships, chemical bonding, chemical reaction, mass and volume relationships, and gas laws. Laboratory work is an important part of the course. Chemistry is designed for the college bound student. It helps the individual think in an analytical manner.

***Prerequisite*: Earth Science, Biology, and Algebra I-S or instructor approval.

PHYSICS (12)

Physics is the study of the nature of matter and energy and how they are related. Topics in the course include mechanics, states of matter, waves and light, and electricity and magnetism. High school physics prepares the student for more difficult college courses.

***Prerequisite*: Senior, 2 years of science, Alg I-S and Alg II-S or instructor approval.

SOCIAL STUDIES

PRINCIPLES OF AMERICAN DEMOCRACY (PAD) (12)

PAD is the study of "The American System of Government." This is from the time of adoption of the constitution to the present. It includes the growth of our nation and the innovative adaptation of the system to modern problems

AMERICAN HISTORY (11)

The course is a comprehensive survey of the history of the United States from the Civil War period to the present day. The class uses a wide range of disciplines because history is concerned with any and all the past experiences of man, whether these experiences be social, economic, intellectual, cultural, political, military, legal or religious.

WORLD HISTORY (10)

The course traces the development of civilizations in different parts of the world, revealing their uniqueness while recognizing that through contracts with different cultures, people changed and went different directions. This course is designed to introduce the students to some of these different cultures and civilizations.

PSYCHOLOGY (10-12)

Psychology is a college preparatory course in the science of human behavior. It is designed to give the student an understanding and insight as to why people behave the way they do. Psychology is offered every other year against sociology.

***Prerequisite:* Must have 3.2 GPA or instructor approval.

SOCIOLOGY (10-12)

Sociology offers a general study of areas such as socialization, social interaction, social organization, cultural and social change, social institutions, and social problems. Sociology is offered every other year against psychology.

***Prerequisite:* Must have 3.2 GPA or instructor approval.

PHYSICAL EDUCATION

PHYSICAL EDUCATION (9-10)

Physical education is a one semester course for freshmen and sophomores with emphasis on lifetime activities. Students will learn to focus on maintaining a certain level of fitness, leadership roles in class, developing a positive attitude toward exercise and various activities and practicing healthy living. Health will also be covered.

WEIGHT TRAINING (9-12)

This class is graded on participation and improvement in weight training. Anatomy and physiology (body parts) will be covered in a small portion so that the students will know what parts of the body they are utilizing and why.
***Prerequisite:* Must maintain a grade of "C" or better each semester to be eligible for weights class the following semester.

LANGUAGE ARTS

ENGLISH I (9)

English I will expand on writing, reading and listening. Students will develop their skills through writing by working on essays, journals and research papers in which they will develop their peer editing and revision skills. Students will also work on the major parts of speech for grammar, as well as usage and mechanics. Study of Literature will be based on poems, novels and plays. All students will participate in the Accelerated Reader Program and take a 5-day library class.

ENGLISH II (10)

Students will review mechanics, sentence structure, and basic paragraph skills to improve their writing abilities while they continue to consider the writing process as a problem-solving endeavor. Speech will be specifically taught as a separate unit. Literature study will include many periods and styles in an effort to expose students to as broad a literary spectrum as possible while focusing on genre. Students will continue to participate in the Accelerated Reader Program.

ENGLISH III (11)

Students will continue to further their English skills. Grammar, usage and mechanics will be taught in lesson as well as through writing. Students will be introduced to various writers and styles and they will also be required to work at a higher level of thinking when writing or speaking. They will work on a research project and participate with other students in editing and revising. Students will be developing thinking and problem solving skills through classroom activities as well as working on journals and analogies. Students will participate in the Accelerated Reader Program.

ENGLISH IV (12)
Students will further develop their writing abilities through formal research essays, creative stories, and those practical writing projects applicable to everyday life beyond the classroom. A unit on career development, including planning, writing and speaking skills will be taught, along with a job shadow project. Students will study an assortment of novels, essays, short stories, and plays. There will also be a unit on college research and terminology. Students will continue to participate in the Accelerated Reader Program.

SPANISH I (9-12)
Spanish I offers both spoken and written instruction and reading comprehension in addition to a diversity of cultural materials. Students will be able to carry on a basic conversation in Spanish, write short stories and essays, demonstrate comprehension of readings in Spanish, identify and locate Spanish-speaking countries, and develop an understanding of Hispanic culture. This is a full-year course that is taught over interactive TV. Spanish I is offered every other year in conjunction with Spanish III.

SPANISH II (10-12)
Spanish II is a continuation of the development of the basic skills acquired in Spanish I. Students' vocabulary will be expanded as well as their understanding of use of words and grammar. This is a full year course taught over interactive TV. Students must be independent learners and take responsibility for their progress. Spanish II is offered every other year in conjunction with JH Spanish.
*** Prerequisite*: Grade of B / 85% or better in Spanish I

SPANISH III (11-12)
Spanish III is a continuation of the development of the skills acquired in Spanish I & II. Conversation will be a focus this year. Students will be given practical vocabulary and "everyday situations" in which to practice the vocabulary. Reading comprehension will be stressed, grammar will be further developed, and linguistics will be broadened. This is a full-year course taught over interactive TV. Students must be independent learners and take responsibility for their progress. Spanish III is offered every other year in conjunction with Spanish I.
***Prerequisites*: Grade of B / 85% or better in Spanish I & Spanish II

COMPUTER APPLICATIONS

MICROSOFT WORD 2007 (9-12)
In this class, the students will learn all of the main features of Microsoft Word, including creating styles, outlines, tables, and tables of contents, creating form letters and mailing labels, integrating Word with other programs and with the Internet, customizing toolbars and templates, recording macros, creating on-screen forms, managing long documents with master documents, faxing and routing documents, and drawing watermarks and 3-D objects. The students will also continue to improve and develop their keyboarding and

basic word processing skills by taking 5-minute paragraph and 30-minute production timings. The class is one semester in length, and is required for graduation.

MICROSOFT EXCEL 2007 (9-12)
The students in this class will learn the most important fundamentals of Excel, including creating, editing, and formatting worksheets and charts, working with Excel lists and pivot tables, integrating worksheet data with various programs and the Internet, working with multiple worksheets, one-and two-variable input tables, analyzing and solving data, and exporting and importing data. The class is one semester in length, and is required for graduation.
***Prerequisite:* Microsoft Word

MICROSOFT ACCESS 2007 (10-12)
In this class, the students will learn the basics of Access, including creating and maintaining database tables; defining table relationships; creating, running, and saving queries; sorting and filtering records; creating and customizing forms and reports; publishing Access documents to the Internet, reproducing and revising databases, and creating and running macros. The class is one semester in length.
***Prerequisite:* Microsoft Word and Microsoft Excel

MICROSOFT POWERPOINT 2007 (10-12)
This class will teach the students to use a design template and auto layouts to create a presentation in PowerPoint. The students will also learn how to customize a background, work with drawing shapes, insert pictures, narration, movies, and sounds. This class will also teach the students how to customize slides, notes, and handout masters. The students will learn to add transitions and animations, links, action settings, tables, charts, and diagrams. The final project will be to present the presentation to an audience, such as classmates, elementary students, community members, and various clubs and organizations. This class is one semester in length.
***Prerequisites:* Microsoft Word and Microsoft Excel

MICROSOFT PUBLISHER 2007 (10-12)
In this class, the students will use Publisher features to create and enhance letters, letterheads, logos, memos, reports, forms, resumes, invitations, announcements, flyers, news releases, advertisements, signs, labels, certificates, agendas, conference programs, brochures, menus, newsletters, presentation graphics, and documents formatted for the Internet. PhotoShop and Adobe In-Design will also be used with Publisher 2007 to produce various documents and publications. The class is one semester in length.
***Prerequisites:* Microsoft Word and Microsoft Excel

WEB PAGE DESIGN (10-12)
This class will involve the students learning to create and design their own web page. By using HTML code and web page design software, the students will learn the basics of producing and maintaining their own web page. The students will learn about page layouts, navigational links, adding and formatting text, using forms and tables, working

with graphics and color, and managing and publishing a web site. This class is one semester in length.
***Prerequisites :* Microsoft Word and Microsoft Excel

SCHOOL WEB PAGE (10-12)
This class will involve the students creating, designing, and maintaining the Web Site for Powder River County District High School. This course will involve the students using Adobe GoLive as the primary software, as well as additional software, mainly PhotoShop. Students must be able to work together as a team, and they will keep the PRCDHS Web Site updated on a daily basis in order to keep all of the information current and accurate. The students will not put any inappropriate pictures or information on the Web Site. The students will be able to communicate with the other students in the class, as well as with the instructor. The students will be expected to accept constructive criticism and advice. This class is for the entire year.
***Prerequisites:*
MS Word and MS Excel
Instructor approval is required.
This class has a limited enrollment of 5 students.

INTRODUCTION TO COMPUTER PROGRAMMING (10-12)
This course is designed as an introduction using the C++ language to teach programming concepts. Programmers write the instructions that enable a computer to carry out a single task or a group of tasks. Students will learn how to plan and create well-structured programs and problem-solving techniques. The course will be hands-on as well as lecture oriented. Students will also be exposed to the history of computers, theory of different software applications, and some troubleshooting of computer hardware. Students taking this course will generally be interested in a computer science or engineering career
***Prerequisite*: MS Word, MS Excel, and AMI S; or teacher approval.
A minimum of 4 students must be enrolled.

YEARBOOK (12)
This class is limited to 6 seniors. Students will design the layout, take the pictures, edit the pictures, and complete the annual yearbook including printing and binding. Extensive use of layout software (Adobe InDesign) and photo editing software (Adobe Photoshop) will be required. Because many activities require out of class participation in order to take pictures, the student must be available for out of class assignments. A great deal of attention is also given to proofreading and deadlines. Students will learn marketing skills as sponsorships and annuals are sold by the students. Students are expected to return to school *after* graduation to complete the yearbook. Students must be able to work with their classmates and be willing to accept constructive criticism from both the advisor and classmates.
***Prerequisite:* Must have teacher approval.

TRAFFIC EDUCATION

DRIVERS EDUCATION (9)
Traffic safety education is taken during freshman year and is one semester in length. Assignment to semester is based on date of birth, with the oldest half of the class participating first semester and the youngest half second semester. Students should be 14 1\2 years old when they enter the program. The program cost is $100.00 for each student. A copy of the student's birth certificate and social security card is required. The course will have two distinct parts: classroom with work sheets, films, VCR tapes, alcohol and drug education and speakers, as well as developing skill behind the wheel driving (6 hours minimum). The students will be required to drive at night and to Miles City in the driver education car with the instructor.

BUSINESS

ACCOUNTING I (9-12)
Accounting I is a study of fundamental concepts and principles of the accounting cycle. A student who implies himself diligently while taking this course will learn the double-entry system, which he or she can use in keeping personal or business books. This class is strongly recommended for any student.

ACCOUNTING II (10-12)
Accounting II is a continuation of a study of accounting principles. Attention is devoted to partnership and corporations. Students will gain extensive experiences in computerized accounting. This course is strongly recommended for any student who intends to major in any business area in college.
****Prerequisite*: Accounting I

PRACTICAL ARTS

FAMILY AND CONSUMER SCIENCE (9-12)
This course is designed for the student who is interested in a sampling of all the creative options in FCS. The areas of study will be in foods and nutrition, energy, consumer education, housing and design, family life, child development and care, clothing selection and construction, and possibly quilting. This course offers many hands on activities.

CULINARY ARTS (10-12)
This is a one semester only class. This advanced course is designed for students who have an interest in the areas of food and food management. The course covers various skills in cooking and baking. Included will be cooking techniques in the areas of stock/sauces, soup/appetizers, poultry, meat, pastas, fruit/vegetables, garnishes, baking techniques, breads, and desserts. This class will prepare students for future challenges of cooking for themselves and family, as well as look at career pathways in food service.

INTRODUCTION TO TECHNOLOGY (9-12)

Introduction to Technology is a comprehensive action-based curriculum that teaches students to understand, use, and control technology. The curriculum covers the development of technology and its effect on people, the environment, and society. Students learn how to adjust to change, to deal with the forces that influence their future, and to participate in controlling their future. In the classroom, students develop insights into the application of technology concepts, processes, and systems.

DRAFTING (11-12)

Drafting is designed to introduce the fundamentals of drafting to the beginning student. Emphasis will be placed on accuracy as well as creativity. The student will examine various areas of the drafting field and gain valuable insights into problem solving as well as gaining the ability to turn ideas into reality through the drafting process. Upon completion of this course, students will be prepared to enter technical drawing courses at the college or trade school level. Senior students have priority for the 6 spaces in this course. Basic computer skills (MS Word, MS Excel) and basic math skills (Algebra I) are necessary.

WOODS I (9-12)

Woodworking I class is designed to provide students with an introductory experience in woodworking. Subjects covered include wood identification and characteristics, hand and machine tool use, safety and project design as well as construction. There will be time allowed for independent project work.

WOODS II (10-12)

Woodworking II class is designed to provide previous woodworking students with advanced experience in woodworking. Topics include wood characteristics, advanced problem in design and construction and special machine tool operations. Extensive time will be allowed for independent project work.

***Prerequisite*: No less than a grade of C in Woods I.

WOODS III & IV (11-12)

Woods III and IV is designed to give students advanced training in woodworking beyond Woods II.

***Prerequisite*: No less than a grade of C in previous woods classes.

AG ED I (9-12)

This class is for students interested in agriculture and FFA. All students finishing this class will be eligible for the Green Hand FFA Degree. Beginning skills in animal science, metals, woods, tool conditioning, hand tools, plants, plant science, and agriculture business will be covered. Students will have a project to keep records on and involvement in the FFA chapter is highly recommended.

AG ED II (10-12)

This course will allow students to further their knowledge in agriculture and FFA. Students may be eligible for the Chapter FFA Degree during AG ED I or AG ED II. This class will cover animal selection, livestock production management, common diseases of livestock, arc welding, soil science, plant growth, and small gas engines. Students will have a project to keep records on and involvement in the FFA chapter is highly recommended.

***Prerequisite:* AG ED I

AG ED III & IV (11-12)

For students wishing to further their knowledge in agriculture and FFA. This is a combined class, which means units in AG ED III are taught one year and units in AG ED IV are taught the next. Units in AG ED III include building construction, electricity, plumbing and concrete work. Units in AG ED IV include farm and ranch management, micro computing and project construction. Students may be eligible for the State FFA Degree during this class. Students will have a project to keep records on and involvement in the FFA chapter is highly recommended.

***Prerequisite*: AG ED I and II (and III)

AGRICULTURAL MECHANICS I (9-12)

This class will look into the construction and operation of power sources. Theory of operations of two and four cycle engines, use of precision measuring tools, and tear down and rebuild of small engines will be skills involved with the first part of the class. Large gasoline engines will be covered the second part of class with time allowed for simple rebuilds. Separate mechanical systems of the engine and the vehicle will also be covered. Students are reminded that a grade of C or better is required in Ag Mech I to advance to Ag Mech II.

AGRICULTURAL MECHANICS II (10-12)

This class will review the contents of Ag Mech I but will allow students to become familiar with the technical side of mechanics. Some of the areas to be covered are: head rebuilding, computer control systems and use of computer scanning tools, automatic transmissions, and general theory and construction of air conditioning systems.

***Prerequisite:* Grade of C or better in Ag Mech I or instructor approval.

AGRICULTURAL WELDING I (10-12)

This class is designed to introduce the student to the fundamentals of welding using the arc and oxy-acetylene welders. Assigned welds will be given in the flat, horizontal, vertical, and overhead positions. Each section, arc or acetylene, will be one semester long and switch at the semester. Upon completion of assigned welds, set up and use of TIG and MIG will be demonstrated and the student will be able to use them, also small projects will be allowed. A shop fee is required. Students are reminded that a grade of C or better is required to advance to Ag Welding II.

ADVANCED AGRICULTURAL WELDING (11-12)

This class is offered to students who have successfully completed Agricultural Welding I who wish to improve their welding skills and explore other methods of welding. Basic welds in arc and oxy-acetylene will be reviewed and introduction to MIG and TIG welding will be done. Project construction may be allowed if time and space are available. A shop feed is required.
***Prerequisite*: Grade of C or better in Ag Welding I

FINE ARTS

ART I (9-12)

Art I is a full year exploratory course involving 2 and 3 dimensional art forms. Students will work in the areas of drawing, painting, ceramics, sculpture, and computer artwork. Independent and class critiques as well as are appreciation will be integral parts of the class. A class fee will be charged to participating students.

ADVANCED ART (ART II, ART III, ART IV) (10-12)

This is a full year class for students who have taken Art I. Students will build upon concepts developed in previous art classes in the areas of drawing, painting, ceramics, and sculpture. Class critiques and incorporation of art appreciation will be an important part of the class. A class fee will be required of the participants.
***Prerequisite*: A grade of "C" or better each semester in the previous art class (Art I, II, or III).

CERAMICS (9-12)

Ceramics is a full year art class involving the use of clay as a sculptural art form. Students will learn and use basic hand-building techniques and the potter's wheel to create both functional and sculptural ceramic projects. Art appreciation as well as individual and class critiques will be an integral part of the class. A class fee will be charged to participants.
This class may be taken only once (a total of 2 semesters).
***Prerequisite*: A grade of "C" or better first semester to participate second semester.

PHOTO EDITING (12)

Students will be introduced to the basics of photography and video editing. Students will work with digital and 35mm still photography, video photography and computerized video-editing using Premiere Pro software and Adobe Photoshop. Students will be introduced to basic darkroom development using 35 mm film. Edited projects such as the senior video and the activity video will be created during the class.
Because of limited space and materials, a limit of 10 seniors is allowed to take the class. Priority will be given to students who have taken two or more years of art related classes and plan to major in design, art, or a communications degree (photography or film and TV). Students requiring a fine arts class may enroll if there is room available. A class fee will be required to take the class.

HIGH SCHOOL ENRICHMENT (9-12)
This class is available to students who are on the honor role. Students will be doing weekly assignments involving logic, deductive thinking and other mentally challenging activities. Students will also create individual class projects of their own choosing. This project must involve research and learning new skills or knowledge, a creative product, and presentation of the product to an audience. This class may be taken more than once or a semester at a time.

CHOIR (9-12)
Choir is a group study of music, representing styles from classical to contemporary. Emphasis is based on memorization and concert performances, as well as individual and group work. Enrollment in this class includes group and/or solo performances in District Music Festival. This class may be taken more than once.

BAND (9-12)
Band is the advanced instrumental group for grades 9-12. Performances include Pep Band for many sporting events, musical concerts for the community, and solo and ensemble participation at the district and state level. This class may be taken more than once.

BEGINNING BAND
This class is offered 1st semester only. Beginning musicians are encouraged to participate. It is an introduction to the instrumental music group. At the conclusion of this class, the student will be better able to join the JH or HS Band.

OTHER ELECTIVES

HIGH SCHOOL ENHANCED STUDY HALL (9-12)
This study hall has been established for students who require additional help in academic subject areas. The supervising teacher will explain concepts that students do not understand, as well as monitor the completion of classroom assignments. The goal of this program is to help students develop organizational skills, become more accountable for their own work, and improve self-esteem while enhancing their academic learning.

CROSS-AGE TUTOR
Students spend one class period a day working for an Elementary school teacher at the Broadus Elementary School. The student will receive a pass/fail and .5 credit for each semester. Cross-Age may be taken for one semester, the full school year, and multiple times. However, a student may not have both a study hall and cross-age. Due to the independent nature of this class, students are expected to be responsible and self-motivated while maintaining their grades.
***Prerequisite*: Accepted by the Elementary Principal.

LIBRARY AIDE

Students spend one class period a day working in the high school library as an aide to the librarian. The student will be graded pass/fail and earn .5 credit. Due to the independent nature of this class, students are expected to be responsible and self-motivated while maintaining their grades. This class may not be taken in conjunction with a study hall.
***Prerequisite*: Approval from the librarian.

TEACHER AIDE

Students spend one class period a day assisting an assigned teacher. Duties may include assisting students during class, copying worksheets and tests, or grading homework. The student will be graded pass/fail and earn .5 credit. This class may not be taken in conjunction with a study hall. Due to the independent nature of this class, students are expected to be responsible and self-motivated while maintaining their grades.
***Prerequisite*: Approval from the assigned teacher.

HS STUDY HALL

Study hall is provided to all high school students who wish to spend a class period quietly working on academics. The study hall teacher is available for assistance when asked. Study hall may be taken for the entire year or for a semester only, and both years. The class is not graded and no credit is earned.