

2019-20

REGISTRATION GUIDELINES

BROKEN BOW HIGH SCHOOL



Broken Bow High School
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Broken Bow, NE 68822
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TABLE OF CONTENTS

| | |
|---|----|
| BROKEN BOW HIGH SCHOOL REGISTRATION INFORMATION..... | 4 |
| Course Requirements | |
| FRESHMAN REQUIRED COURSES..... | 5 |
| SOPHOMORE REQUIRED COURSES..... | 5 |
| JUNIOR REQUIRED COURSES..... | 6 |
| SENIOR REQUIRED COURSES..... | 7 |
| Course Descriptions | |
| BUSINESS DEPARTMENT..... | 7 |
| FINE ARTS..... | 10 |
| FOREIGN LANGUAGE..... | 11 |
| COMPUTER SCIENCE DEPARTMENT..... | 12 |
| INDUSTRIAL TECHNOLOGY..... | 13 |
| LANGUAGE ARTS..... | 14 |
| MATHEMATICS..... | 17 |
| PHYSICAL EDUCATION..... | 19 |
| SCIENCE..... | 20 |
| SOCIAL SCIENCE..... | 21 |
| AGRICULTURAL EDUCATION..... | 22 |
| DUAL CREDIT CLASSES..... | 25 |
| GUIDELINES FOR THE SUBSTITUTION OF GRADUATION REQUIREMENTS..... | 26 |
| REGISTRATION FORM..... | 27 |

BROKEN BOW HIGH SCHOOL REGISTRATION INFORMATION

including a complete listing of Course Descriptions

The following information will help you register for your classes next year. After you have read this bulletin, if you still have questions, talk to your counselor or to the appropriate instructors.

A student must have completed and passed a minimum of 240 credits to graduate. Students must receive the full 5 credits per semester for all required classes. In addition, a student is normally required to have 8 semesters of high school attendance. Certain situations can cause the students to be graduated from school in less than eight semesters but this can only be decided in a joint conference between the student, the parent, the guidance counselor, and the principal.

| | | |
|---|-------------|------------|
| *English or Vocational English | 4 years | 40 credits |
| *Junior and Senior English require 4 semester classes including Grammar, at least one writing class, and at least one literature class. | | |
| American Studies I & II | 2 years | 20 credits |
| Science | 3 years | 30 credits |
| Mathematics | 3 years | 30 credits |
| Physical Education | 1 semester | 5 credits |
| Health | 1 semester | 5 credits |
| IT Applications | 1 semester | 5 credits |
| Speech Communications | 1 semester | 5 credits |
| Personal Finance | 1 semester | 5 credits |
| *Social Science | 4 semesters | 20 credits |

*Requires 4 semester classes including **Geography, Political Behavior (senior year)** and two electives from the following classes; Current Issues, Entrepreneurship, Psychology, Sociology, World History or any other administratively approved social science class.

*Juniors and Seniors in good academic standing can register for either an “open period” during periods 1, 5, 6 & 8 or “open study hall” during periods 2, 3, 4, & 7.

All students, regardless of sex, race, national origin, religion, age, color, or handicapping condition will have the opportunity to participate in any class. All classes are co-educational. Some courses call for pre-requisite courses. Check with your counselor.

FRESHMAN REQUIRED COURSES

- **English** – choose one
English I (If you took 8th Grammar.)
English II (If you took English I as an 8th grader.)
Vocational English I *by permission only*
(This course is not accepted as meeting the English requirement for UNL.)
 - **Mathematics** – choose one
Pre-Algebra Algebra I
Geometry
 - **American Studies I**
 - **Earth Science**
 - **IT Applications** (sem)
 - **Speech Communications** (sem)
Most students take them during their freshman year.
- Did you take a semester of Physical Education?
You need one semester before you graduate!*

FRESHMAN ELECTIVES

- Spanish I
(If you got less than a C in any semester of English 8, you cannot take Spanish until you are at least a sophomore)
- Art I
- Choir
- Band
- Percussion *(for current percussionists only)*
- Intro to Ag Science/Technology
- Woods/Crafts
- Weight Training
- Girls Weight Training
- Activities for Life

SOPHOMORE REQUIRED COURSES

- **English** – choose one
English II
Vocational English II *by permission only*
(This course is not accepted as meeting the English requirement for UNL.)
 - **Mathematics** – choose one**
Algebra I Geometry
Algebra II
- **A student may take Algebra II and Geometry at the same time in order to complete Calculus as a senior (by permission only)*
- **American Studies II**
 - **Biology**
 - **Personal Finance** (sem)
 - **Health** (sem) (Can be taken in 11th or 12th grade)
 - * Speech Communications (sem)
 - * IT Applications (sem)
- *If you took these as a freshman, you have fulfilled this requirement. If not, you should take them as a sophomore.*
- Did you take a semester of Physical Education?
Remember you need to before you graduate!*

SOPHOMORE ELECTIVES

- Annual *restrictions apply*
- Journalism *restrictions apply*
- Accounting I, Accounting II (sem)
- Entrepreneurship (sem) Intro to Business (sem)
- Spanish I *If you got less than a C any semester of English I, you should not take Spanish until your junior year.*
- Spanish II *If you got an F in the second semester of Spanish I you cannot take Spanish II. If you had a D, you probably shouldn't take Spanish II.*
- Art I, Art II
- Choir
- Band, Percussion
- IT Applications II (sem), Digital Design (sem)
- AP Computer Science Principles
- Weight Training, Girls Weight Training
- Activities for Life
- Woods/Crafts
- Woods/Crafts II
- Intro to Ag Science/Technology
- Food Science
- Plant Science
- Animal Biology (1st sem)
- Companion Animal (2nd sem) *E.O. 2020-21 & 2022-23*
- Large Animal (2nd sem) *E.O. Year 2019-20 & 2021-22*
- Natural Resources & Wildlife Mngmnt (2nd sem)

JUNIOR REQUIRED COURSES

• **English –Juniors must take Grammar and a literature class.** In your junior and senior year; you must take at least four semesters of English classes, including Grammar, at least one writing course, and at least one literature course. All the junior/senior English courses are one-semester courses.

Grammar (sem) *required*
or Vocational Grammar (sem)

College Composition I – *prerequisite*

College Composition II – *prerequisite*

(*College Comp II can be used to replace Research Writing as a senior but must be taken as a junior.*)

College Literature – *prerequisite*

American Literature (sem)

British Literature (sem)

Classical Literature (sem)

Science Fiction (sem)

Short Stories (sem)

• **Mathematics** – *All students take three years of math.*

Consumer Math Geometry

Algebra II Pre-Calculus

Statistics

• **Social Science** - Jr.-Sr. Social Science requires 4 semester classes. **Geography**, **Political Behavior** (Sr.), and two semesters from the following: Current Issues, Entrepreneurship, Psychology, Sociology, World History

• **Science**

Conceptual Chemistry

(Take Conceptual Chemistry if you are in Geometry as a junior.)

Chemistry

Did you take a semester of Physical Education?

Remember you need to before you graduate!

JUNIOR ELECTIVES

Annual – *restrictions apply*

Journalism – *restrictions apply*

Advanced Biology

IT Applications II (sem), Digital Design (sem)

Info Tech III

AP Computer Science Principles

Accounting I, Accounting II, Accounting III,
Accounting II (sem)

Entrepreneurship (sem) Intro to Business (sem)

Spanish I, Spanish II, Spanish III

Art I, Art II, Art III

Choir, Band, Percussion

Weight Training

Girls Weight Training

Activities for Life

Woods/Crafts

Woods II

Woods III

Advanced Woods (2 periods long)

Computer Aided Drafting (sem)

Architectural Drafting (sem)

Electricity in Construction

Consumer Auto

Teacher Aide *by permission only*

CAPS

World History (semester or all year)

Current Issues

Psychology (sem)

Sociology (sem)

Intro to Ag Science/Technology

Plant Science

Animal Biology (sem)

Companion Animal (sem) *E.O. Year 2020-21 & 2022-23*

Large Animal (sem) *E.O. Year 2019-20 & 2021-22*

Leadership/Personal Development (sem)

Natural Resources & Wildlife Management (sem)

Power Machinery (1st sem)

Adv. Power Machine (2nd sem)

Metals/Welding (1st sem)

Adv Metals/Weld (2nd sem)

SENIOR REQUIRED COURSES

• English – Seniors must take a writing class.

In your junior and senior year, you must take at least four semesters of English classes, including Grammar, and at least one literature course. All the junior/senior English courses are one-semester courses.

Research Writing (sem)
or Technical Writing (sem)
College Composition I – *prerequisite*
College Composition II – *prerequisite*
College Literature – *prerequisite*
American Literature (sem)
British Literature (sem)
Classical Literature (sem)
Science Fiction (sem)
Short Stories (sem)

• Mathematics - You may have already met the three-year math requirement. If not, you may choose from the following. **College bound students should take a math class!**

| | |
|---------------|--------------|
| Consumer Math | Geometry |
| Algebra II | Pre-Calculus |
| Calculus | Statistics |

• Social Science – Seniors must take **Political Behavior**. Jr.-Sr. Social Science requires 4 semester classes. **Geography, Political Behavior (Sr.)**, and two semesters from the following: Current Issues, Entrepreneurship, Psychology, Sociology, World History

*Did you take a semester of Physical Education?
Remember you need to before you graduate!*

SENIOR ELECTIVES

Annual – *restrictions apply*

Journalism – *restrictions apply*

Physics – *prerequisite*

Anatomy – *prerequisite*

Info Tech II (sem), Intro to Digital Design (sem)

Info Tech III, Info Tech IV

AP Computer Science Principles

Accounting I, Accounting II, Accounting III,
Accounting IV (sem)

Entrepreneurship (sem) Intro to Business (sem)

Spanish I, Spanish II, Spanish III, Spanish IV

Art I, Art II, Art III, Art IV

Choir, Band, Percussion

Weight Training

Girls Weight Training

Activities for Life

Woods/Crafts

Woods II

Wood III

Advanced Woods (2 periods long)

Computer Aided Drafting (sem)

Architectural Drafting (sem)

Electricity in Construction

Consumer Auto

Teacher's Aide *by permission only*

CAPS

Internship

World History (semester or all year)

Current Issues (sem)

Psychology (sem)

Sociology (sem)

Intro to Ag Science/Technology

Plant Science

Animal Biology (sem)

Companion Animal (sem) *E.O. Year 2020-21 & 2022-23*

Large Animal (sem) *E.O. Year 2019-20 & 2021-22*

Leadership/Personal Development (sem)

Natural Resources & Wildlife Management (sem)

Power Machinery (1st sem)

Adv. Power Machine (2nd sem)

Metals/Welding (1st sem)

Adv Metals/Weld (2nd sem)

BUSINESS DEPARTMENT

Students must have 5 credits of Personal Finance to graduate from Broken Bow HS.

ACCOUNTING I: Grades 10-12

The Accounting I course is designed to teach the student the double-entry system of recording business transactions for service and merchandising businesses. Through problems, projects, and practice sets, the student learns to open a set of books, analyze transactions into their debit and credit parts, post to ledgers, prepare worksheets and financial statements, and adjust and close the books at the end of the fiscal period.

ACCOUNTING II: Grades 11-12

Prerequisite: Accounting I

Accounting II is a continuation of the first-year course. Emphasis is placed on attaining accounting knowledge to pursue entry-level careers after high school. Students will expand their knowledge of accounting by gaining a broader understanding of business activities needed to maintain and interpret financial records for more effective management. A computerized practice simulation will be completed in this course.

PERSONAL FINANCE: Required Class Grades 10-12 (1 semester)

The goal of personal finance is to help students become financially responsible, conscientious members of society. This course develops student understanding and skills in money management; budgeting; financial goal attainment; use of credit; insurance; investments; and consumer rights and responsibilities. Application of academic concepts, technology, and career planning are integrated throughout the curriculum.

INTRODUCTION TO BUSINESS: Grades 10-12 (1 semester)

Introductory course of business fundamentals such as economic, legal and social foundations are presented along with a close look at organizing businesses, marketing products and services, financing operations, managing and developing employees, and making difficult business decisions in a competitive atmosphere.

ENTREPRENEURSHIP: Grades 10-12 (1 semester)

(Meets 5 credits of Junior/Senior Social Science requirements)

In its most basic sense, entrepreneurship is apparent in a business venture when an individual is able to turn a novel idea into a profitable reality. In practice, however, entrepreneurship is more multifaceted, ranging from operating a small business in one's own home, to bringing a national franchise to a small town, to turning a new and unique idea into a high-growth company. Entrepreneurship can involve starting a business that brings a new store to Main Street, offering a product or service previously unavailable to a community, or acquiring an existing business that has had a long-standing presence in a community and helping it evolve to reflect one's own vision and personality.

Topics to be discussed include: obtaining a loan, creating a business plan, advertising, promoting your business, hiring and training employees, and bookkeeping.

FINE ARTS

All art classes are designed to provide students with an understanding of art appreciation and criticism as well as studio procedures. Students are encouraged to take Art I as a prerequisite before enrolling in other art classes. (Any exceptions to this will be at the discretion of the teacher.) A lab fee is required for each class.

ART I: Grades 9-12

The techniques of portrait drawing, positive/negative space concepts, and block printing are introduced during the first semester. The second semester is devoted to graphic design, watercolor painting, pastel drawing, and sculpture. Basic art structure is stressed in all areas in order to develop an understanding of the elements and principles of art. Theories of art analysis are covered along with art appreciation.

ART II: Grades 10-12

Prerequisite: Art I or permission of instructor

Art II students will work with various drawing methods using graphite pencil, colored pencil, and ink. During the second semester, 3-D design and oil pastel will be the areas of focus along with the study of art appreciation, criticism, and philosophy.

ART III: Grades 11-12

Prerequisite: Art I, II, or permission from instructor.

The process and techniques of acrylic painting are covered during the first 9 weeks of the semester. The second half of the semester is devoted to ceramic sculpture. The study of art appreciation and criticism are also incorporated into the curriculum.

ART IV: Grades 12

Prerequisite: Senior Year, Art I, II, III, or permission of instructor.

This is an advanced class that gives students the opportunity to do extended studies in art. Independent studies are developed that include project requirements and individual goals. Students will also write a philosophy of art and participate in the Senior Art Show held at the end of the semester. Developing individual styles and the exploration of various media are emphasized.

BAND: Grades 9-12

Marching band techniques, performances at home and away from home, concert band experience. Students will be required to attend performances that take place out of school time. Advanced musical techniques required, both technical and musical. Emphasis on performing music on an advanced scale.

PERCUSSION: Grades 9-12

This class is for percussionists in senior high varsity band. The class is designed to give the percussionists a separate class period to work out percussion techniques. During the year, we will work on cadences for marching band, percussion ensembles, and the percussion parts on the concert music the band will be playing. This class is open to all percussionists with prior band experience.

CHOIR: Grades 9-12

Varsity Choir is a performance class and attendance at all choir performances is mandatory. The choir will perform four concerts during the school year. Members of the choir will also take part in the Southwest Conference Honor Choir and perform at District Music contest. Choir members can letter if certain requirements are met. Emphasis will be placed on performing music of all styles and historical periods on an advanced scale. Membership in various small select groups will be chosen by audition and the director's consent only.

FOREIGN LANGUAGE

*Most four year colleges require you to have at least 20 credits of Foreign Languages.
Make sure to check with the college of your choice for requirements or see the guidance counselor.*

NOTE:

*Freshmen and sophomores will not be allowed to take Spanish I if they have a semester grade of **D** or **F** in English during any of the two previous semesters. Sophomores may not take Spanish II if they have an **F** in any semester of Spanish I.*

SPANISH I: Grades 9-12

This is an introductory course in the Spanish Language with emphasis on listening, speaking, reading, writing, and culture. This class offers a solid foundation in pronunciation, basic conversation, and grammatical structure.

SPANISH II: Grades 10-12

Prerequisite: Spanish I

This class is a continuation of Spanish I with additional emphasis on vocabulary, grammar, and conversation. Cultural and reading programs are expanded with the use of short stories and magazines.

SPANISH III: Grades 11-12

Prerequisite: Spanish I and II

This class continues on after Spanish II with more emphasis on conversation and composition. Reading selections are from well-known Hispanic and Spanish-American authors.

SPANISH IV: Grades 12

Prerequisite: Spanish I, II, and III

This class will offer individualized instruction with review of Spanish grammar and conversation. In-depth study will be made of Spanish culture and literature with continued emphasis on conversation and composition.

COMPUTER SCIENCE DEPARTMENT

Students must have at least 5 credits of Computer Applications to graduate from Broken Bow HS.

IT APPLICATIONS: Required Class Grade 9 (1 semester)

Students will explore emerging technologies as it applies to their success for high school, college, and career. The focus will be on the importance of digital citizenship, professional communications, advanced document processing, professional presentations, and intermediate spreadsheet and database applications used personally and professionally.

IT APPLICATIONS II: Grades 10-12 (1 semester)

Prerequisite: Information Technology I

This course will focus on skill development in advanced spreadsheet, database, integration of application utilizing advanced features, and exploring web technologies.

DIGITAL DESIGN: Grades 10-12 (1 semester)

Students will demonstrate knowledge of web design and languages, including HyperText Markup Language (HTML) and Cascading Style Sheet (CSS) to create a content rich and visually pleasing website that captures and keeps visitors' interests. Focus will be given to effective page layout, image creation and manipulation, interactivity, content creation, and project management.

INFORMATION TECHNOLOGY III: Grades 11-12

Prerequisite: Information Technology II

The study of various mechanical, electrical and electronic systems in residential, commercial and industrial structures. Basic electrical/electronic theory as it relates to heating and air conditioning, illumination and automated systems are included throughout the course. Basic consumer knowledge about generation of electricity, its transmission and distribution will also be included.

INDEPENDENT INFORMATION TECHNOLOGY IV: Grades 12

Prerequisite: Information Technology III

Independent Technology is a hands on, project based class. Students are responsible for designing, building, and programming robots from October to January. Students will develop other programming skills by exploring a variety of languages. Students will have the choice to explore advanced software, such as Microsoft Office, photo editing, movie making, and/or web design.

AP COMPUTER SCIENCE PRINCIPLES: Grades 10-12

Prerequisite: Algebra I

Computer Science Principles introduces students to the foundations of modern computing. Units of study include the internet, digital information, intro to programming, big data and privacy, and building apps. Student learning will be natural beginning with problem solving, creativity and collaboration in each lesson. This is a full-year rigorous entry level course in which Algebra 1 is recommended.

INDUSTRIAL TECHNOLOGY

WOODS: (Grades 9-12) This is a yearlong class but may be taken in the 1st semester only.

This class is intended to introduce the woodworking student to the use of hand power tools, large machines, material identification, and project planning and projects works. The student will also be assigned a project to do, first, with plans already produced. After completion of the required project, the student will produce one or two more projects of their own design. The students must pay for their own materials and safety glasses.

WOODS II: Grades 10-12

Prerequisite: Woods I

Students will build on the concepts learned in Woods I starting the year with a drafting unit and moving on to tool safety and use. This class is a project oriented class for cabinetry. Each student will build their own project and pay for materials in that project. The student's final grade will be given when they display their project at the Arts Night in May.

WOODS III: Grades 11-12

Prerequisite: Woods I

Students will build on the concepts learned in Woods II starting the year with a drafting unit and moving on to tool safety and use. This class is a project oriented class for cabinetry. Each student will build their own project and pay for materials in that project. The student's final grade will be given when they display their project at the Arts Night in May.

ADVANCED WOODWORKING/CONSTRUCTION: Grades 11-12

Prerequisite: Woods II with a grade of an 85% or better. (This is a two period class.)

This course is designed for the student pursuing a career as a construction professional. Technical skills are combined with planning and management topics to prepare the student for all stages of a project. This course explores opportunities and career pathways within the residential, commercial, and industrial sectors, and walks the student through the planning, execution, and reporting of a project. Students will get the opportunity to go to several job sites to have hands on learning to complete the task at hand.

COMPUTER AIDED DRAFTING: Grades 11-12

This course provides students with a broad introduction into Computer-Aided-Drafting (CAD. With hands-on exercises, assignments and projects, students gain capability to use CAD to model projects and create and distribute industry-standard drawings.

ARCHITECTURAL DRAFTING: Grades 11-12

In this class, the students will create residential architectural working drawings, using CAD, necessary for a standard building permit. With hands-on exercises, assignments and projects, students gain capability to use CAD to model a house project and create and distribute industry-standard drawings.

ELECTRICITY IN CONSTRUCTION: Grades 11-12

The study of various mechanical, electrical and electronic systems in residential, commercial and industrial structures. Basic electrical/electronic theory as it relates to heating and air conditioning, illumination and automated systems are included throughout the course. Basic consumer knowledge about generation of electricity, its transmission and distribution will also be included.

CONSUMER AUTO: Grades 11-12

In this class we will start out by learning how to get a loan for an automobile, how to get insurance for an automobile, and how to buy an automobile. Once you own that automobile you need to know how to service it. We will learn the basics of automotive services, i.e. electrical, fuel, cooling, lubrication, brakes, and some diagnostics. We will have hands on learning as we go throughout the course.

LANGUAGE ARTS

Students must have at least 40 credits of English and 5 credits of Speech to graduate from Broken Bow HS.

ANNUAL: Grades 10-12 – (limited to 20 members)

This course is considered an advanced writing course. If you have ever received a “C” or below on your report card in English, you cannot enroll for the Annual except by special permission.

This course involves the production of the school yearbook. Activities and class projects include units in how to take creative and clear photographs, learning darkroom techniques and procedures for developing film, printing photographs, and writing yearbook copy. Students will be responsible for designing and creating computer-based page layouts. Students enrolled in this class will be expected to spend out-of-class time working on the annual.

JOURNALISM: Grades 10-12

This is considered an advanced writing course. If you have ever received a "C" or below on your report card in English or Journalism, you need special permission from the instructor to enroll.

Class time is spent researching, writing, editing, typing, and laying out the paper. In addition, class members will be required to spend time outside of class collecting information and conducting interviews. They will work in advertising sales and design. Students taking this course will be expected to spend some late afternoons and evening time working to produce *The Indian*. Staff positions include editor, assistant editor, sports editor, photography editor, business manager, and reporters.

SPEECH COMMUNICATIONS: Required Class Grade 9 (1 semester)

The class will begin with an overview of the communication process as it applies to family life, school, work, and citizenship. A special unit on listening skills will stress involved listening. Sometime will be spent on creating a positive self-image. Job interviewing skills may be practiced in class. Group's communication skills, such as those used in small group situations and parliamentary procedures will be polished. Practice in public speaking will include 5-7 minute informative, persuasive and entertainment speeches. Time permitting, units on debate and oral interpretation will also be included. Participation in speech contest activities will be strongly encouraged. The NSAA speech events will be discussed at some point in the semester.

ENGLISH I: Required Class Grade 9

A combination of grammar and literature is studied in freshman English. Language study focuses on grammar review, phrases, and clauses. In addition, proper grammar usage is studied and emphasized. Weekly spelling and vocabulary quizzes enhance the grammar and literature units. Literature is studied in the form of short stories, mythology, non-fiction, poetry, and drama. Longer works covered include *Romeo and Juliet* and *The Odyssey*. Writing assignments include short essays, essay test, five-paragraph essays, and creative writing.

VOCATIONAL ENGLISH I: Meets English I requirements Grade 9

This class is somewhat slower-paced study of literature including short stories and short novels. Study of literature is enhanced with vocabulary study of words and their uses. The year begins with an overview of successful study skills. Throughout the year, grammar rules are reviewed. Writing skills are also taught through study of literature and vocabulary study.

ENGLISH II: Required Class Grade 10

Creative writing centers on the creation of an original short story during the first semester. Major works covered include *Antigone and Julius Caesar*. Directed outside reading of one book per semester is required. Language study includes the study of writing and cooperative evaluation and revision is encouraged. Language study includes in-depth vocabulary exercises and tests. The novel *Lord of the Flies* is included in the literature studied. Composition includes paragraph structure, short essay and the creative short story.

VOCATIONAL ENGLISH II: Meets English II requirements Grade 10

This class is intended for those students who do not plan to attend a four-year college. The focus during the first semester will be on basic grammar; the second semester will focus on reading and writing skills.

The following English classes are for juniors and seniors. You must take at least four semesters of English, including Grammar (as a junior), one writing course, and one literature course. The other semester may be either another writing course or a literature course.

GRAMMAR: Required Class Grade 11 (1 semester)

Language study in this class includes extensive vocabulary work, grammar, and short compositions. Preparation for the ACT and PSAT will be included.

VOCATIONAL GRAMMAR: Meets English requirements (another option for juniors)

This course is designed for students who require additional study in the area of grammar. Enrollment is based on teacher recommendation and test scores. Material will include written communication instruction, vocabulary study, and enhanced vocational skills.

RESEARCH WRITING: Required Class Grade 12 (1 semester)

Prerequisite: Grammar

Students will learn basic methods of research, including using electronic references. The main project for the semester will be a research paper using MLA documentation form. Students will complete a shorter paper using end notes.

TECHNICAL WRITING: Meets English requirements (another option for seniors) (1 semester)

The study of writing in this course will be geared toward technical rather than scholarly applications. Included will be a review of basic grammar rules, a study of how articles in technical journals and magazines are written differently than those in popular magazines, and practical application of technical writing. Students will write the following areas: process descriptions, analysis by classification, cause-effect reports, and research reports. There is also the possibility for integration with other curriculum areas, particularly industrial technology, vocational agriculture, and the sciences. In addition, students will write with an emphasis in business communications: Letters of inquiry and application, personal data sheet, cover letter resume, as well as daily journaling and responding to current magazine articles.

COLLEGE COMPOSITION: Grade 12 (1 semester)

Dual Credit Class

(Meets 5 credits of Junior/Senior English requirements)

Only qualified seniors are eligible to take this class. Qualifications include high achievement and/or ACT/ACCUPLACER scores and the recommendation of previous English teachers. This course is patterned after freshman courses offered at Nebraska colleges and universities. Students will study the processes of close reading and effective writing. Rhetorical patterns studies and practices will include literary criticism, description, narration, exemplification, comparison-contrast, cause-effect, division-classification, and argumentation-persuasion.

COLLEGE COMPOSITION II: Grade 11 – 12 (1 semester) *Dual Credit Class*

Prerequisite: College Comp I (Meets 5 credits of Junior/Senior English requirement and if taken as a junior, it will count as Research Writing) Students will write essays using various kinds of appeals: deductive reasoning, inductive reasoning, emotion, and ethics. Students will also prepare a 20-page research paper using current sources documented in MLA style.

COLLEGE LITERATURE: Grade 11 – 12 (1 semester) *Dual Credit Class*

Prerequisite: College Comp I (Meets 5 credits of Junior/Senior English requirements)
Students will read masterpieces of world literature, including but not limited to Shakespeare, Chekhov, Voltaire, Dickens, and Faulkner. Students will also write essays in response to their readings.

AMERICAN LITERATURE: Grade 11-12 (1 semester)

(Meets 5 credits of Junior/Senior English requirements)

Literature covered in this course is taken primarily from the *Adventures in American Literature* (from Colonial time to modern), and will be studied in chronological order. Computer files will enhance the literature study. Various American novels will be read and discussed.

BRITISH LITERATURE: Grade 11-12 (1 semester)

(Meets 5 credits of Junior/Senior English requirements)

This is a chronological study of the literature of England, starting with the earliest inhabitants and proceeding through the following ages. The course also includes a study of the history of the English language, starting from its earliest European origins and discussing the changes that have occurred throughout the ages. Major works and authors studied through the anthology include *Beowulf*, *Canterbury Tales*, Shakespeare, Alexander Pope, and John Milton. This is a course that includes additional notes along with the text and a strong historical foundation.

CLASSICAL LITERATURE: Grade 11-12 (1 semester)

(Meets 5 credits of Junior/Senior English requirements)

Students will study the *Iliad*, *Odyssey*, *Aeneid*, *Antigone*, *Agamemnon*, *The Inferno*, *Paradise Lost*, *Pygmalion*, *Arabian Nights*, *Don Quixote*, *Cyrano De Bergerac*, and others. Students will examine various forms such as epics, plays, mythology, and trilogies.

SCIENCE FICTION LITERATURE: Grade 11-12 (1 semester)

(Meets 5 credits of Junior/Senior English requirements)

Students will read and study science fiction literature in a variety of forms, including the novel and the short story. Students will use the metaphors present in the literature and apply them to the world around them. Essay writing will comprise the major assessment grades. Smaller assessments will be used to monitor student understanding of the literature. State assessments will be taken as is required. Elements of literature will be covered in this course.

SHORT STORIES: Grade 11-12 (1 semester)

(Meets 5 credits of Junior/Senior English requirements)

Students will study the elements and development of the short story as a literary genre. Short stories representative of world cultures as well as American sub-cultures will be utilized in this course. Students will discuss and write about the development of the elements of literature in each short story, as well as about common traits among several different works.

MATHEMATICS

*Students must have at least 30 credits of Math to graduate from Broken Bow HS.
College bound students should take 40 credits of Math.*

Math Course Offering by Class

Freshman

Pre-Algebra
Algebra 1
Geometry

Sophomore

Algebra 1
Geometry
Algebra II

Junior

Consumer Math
Geometry
Algebra II
Pre-Calculus
Statistics

Senior

Consumer Math
Algebra II
Pre-Calculus
Calculus
Statistics

CONSUMER MATH: Grade 11-12

(Meets up to 10 credits of Math requirements)

This class will specifically cover basic mathematical operations and concepts as applied to the world of work and vocational problems. This class will assist students in solving problems related to everyday living.

PRE-ALGEBRA: Grade 9

(Meets up to 10 credits of Math requirements)

This class is designed to help students bridge the gap between arithmetic and algebra. It is designed to help students understand that equations are built from common sense and logical reasoning and may be applied to everyday situations.

ALGEBRA I: Grade 9-10

(Meets up to 10 credits of Math requirements)

Students learn basic algebra by working with the following: addition and multiplication of real numbers (sign numbers), solving equations, working with polynomials, factoring, operations with fractions, rational and irrational numbers, linear equations, and quadratic equations.

GEOMETRY: Grade 9-12

Prerequisite: Algebra I (Meets up to 10 credits of Math requirements)

The class emphasizes the inductive reasoning process, using a variety of strategies to solve real-world problems involving geometrical figures, concepts, and patterns. The deductive reasoning process is also taught but not heavily emphasized.

ALGEBRA II: Grade 10-12

Prerequisite: Algebra I (Meets up to 10 credits of Math requirements)

A cumulative review of 9th Algebra, plus the following: introduction to functions, more on factoring, irrational and complex numbers, quadratic equations, logarithms, introduction of trigonometry.

PRE-CALCULUS: Grade 11-12

Dual Credit Opportunity

Prerequisite: Algebra I, Geometry, and Algebra II (Meets up to 10 credits of Math requirements)

A good review of algebra and trigonometry, to learn the trig functions and how to use them. Analytic geometry, including a good review of graphs and the study of conic sections, (circle, parabola, ellipse, and hyperbola). Introduction to calculus to develop and use the derivative and the anti-derivative.

CALCULUS: Grade 12

Prerequisite: Algebra II and Pre-calculus (Meets up to 10 credits of Math requirements)

This is an upper level mathematics course that covers limits, derivatives, applications of derivatives, integrals, and applications of integrals. The course has the same content as a first semester college calculus class.

STATISTICS: Grade 11-12

Dual Credit Opportunity

Prerequisite: Algebra I, Geometry, Algebra II (Meets up to 10 credits of Math requirements)

This class provides students with an introduction to statistics and probability along with its uses. The course will focus on the application of statistics in their studies and at work and will have an emphasis on widely used technologies. Some class time will also be used for review for the math section of the ACT.

PHYSICAL EDUCATION

Students are required to take one semester of Health and one semester of any other Physical Education offering. Students are allowed to be enrolled in only one Physical Education course per semester.

WEIGHT TRAINING: Grades 9-12 (Meets 5 credits of PE requirements)

This class can be taken as a semester class or as a yearlong class.

Weight Training will put great emphasis on the proper safety and lifting techniques used in weight training. Basic core lifts will be taught in this class. This class will also focus on flexibility, conditioning, and skills testing throughout the year.

GIRLS WEIGHT TRAINING: Grades 9-12 (Meets 5 credits of PE requirements)

This class can be taken as a semester class or as a yearlong class.

Weight Training will put great emphasis on the proper safety and lifting techniques used in weight training. Basic core lifts will be taught in this class. This class will also focus on flexibility, conditioning, and skills testing throughout the year. Only girls will be allowed into this class.

ACTIVITIES FOR LIFE: Grades 10-12 (Meets 5 credits of PE requirements)

This class can be taken as a semester class or as a yearlong class.

This class is intended for the student to learn a variety of ways of using their leisure time to maintain a healthy lifestyle. Units of study include; archery, badminton, bowling, fitness activities, tennis, and others individual or small group activities.

HEALTH: Required Class Grade 10 (1 semester)

Health is a course designed to provide students with the knowledge necessary to deal with current health issues, which affect them. A wide range of subjects are covered including relationships, dating violence prevention, smoking, personal health care, mental health, nutrition, eating disorders, sexual transmitted disease education, and disease prevention, drugs, and alcohol prevention. **This class can be taken after 10th grade if it cannot fit into a student's schedule during 10th grade.**

SCIENCE

Starting with the class of 2014, Students must have at least 30 credits of Science to graduate from Broken Bow HS.

EARTH SCIENCE: Required Class Grade 9

Study of four major sciences, astronomy (study of stars, solar system, etc.), mineralogy (study of rocks and minerals), geology (study of structure and changes in the earth's crust and interior, mountains, volcanoes, etc.), and meteorology (study of the atmosphere and weather).

BIOLOGY: Required Class Grade 10

The students in this class are given an introduction into the study of living things. Plants, animals, and protista. The students are given a basic understanding of the structures of plants, animals, monera, fungi and protista at different levels and the classification systems of these organisms. The last nine weeks of the year are applied to the systems of the human body. Cell parts and functions will be emphasized the first nine weeks.

ADVANCED BIOLOGY: Grades 11-12

Prerequisite: Biology

The main emphasis will be placed on a more in-depth study of biology and biology processes. Specifically the class will be investigating detailed cellular processes, genetics, breeding of fruit flies, and biochemistry. The course will also introduce the student to various career options and employment opportunities in the healthcare professions.

CHEMISTRY: Grades 11 (Meets up to 10 credits of Chemistry requirements)

Prerequisite: Algebra I and advised to take Algebra II concurrently

College preparatory course that covers the basic concepts of chemistry that most colleges look for in their incoming freshmen in science-related courses. It includes studies of chemical bonding, the mathematics of chemistry (stoichiometry), organic chemistry, behavior of chemical solutions, equilibrium, reaction types, acid/base chemistry, oxidation/reduction chemistry, atomic structure, and much more.

CONCEPTUAL CHEMISTRY: Grades 11 (Meets up to 10 credits of Chemistry requirements for juniors that are in math lower than Algebra II)

Conceptual Chemistry courses are practical, non-quantitative chemistry courses designed for students who desire an understanding of chemical concepts and applications.

PHYSICS: Grades 12

Prerequisite: A successful completion of and demonstrated aptitude in Chemistry.

This is a college preparatory course, which covers the basic concepts of physics that students entering college in fields of physical sciences, medicine, engineering, and related fields need. Includes study of motion, electricity, waves, optics, relativity, and nuclear physics. Requires commitment to significant outside preparation. May be taught in the Distance Learning Room to other schools simultaneously. Conference with instructor recommended before enrolling.

ANATOMY: Grade 12

Prerequisite: Advanced Biology

Anatomy is a one year course. Anatomy is an in-depth course taken by those students who have an interest in detailed Human Anatomy. Anatomy is a comprehensive course that will cover a variety of areas of human anatomy including tissues, bones, muscles, organ systems, etc...

SOCIAL SCIENCE

Students must have at least 40 credits of Social Science to graduate from Broken Bow HS. 20 credits come from American Studies I & II, 10 credits come from Geography & Political Behavior, and the other 10 credits can come from the following classes; Current Issues, Sociology, Psychology, Entrepreneurship, World History or any other administratively approved social science class.

AMERICAN STUDIES I: Required Class Grade 9

The primary emphasis of American Studies I is a survey of American History from exploration to the settlement of the Great Plains. Other topics of study will include American Government and map study skills.

AMERICAN STUDIES II: Required Class Grade 10

The primary emphasis of American Studies II is the 20th century and the role of the United States.]

GEOGRAPHY: Required Class Grades 11-12 (1 semester)

This course is designed to expose students to the world of geography. This will include a study of maps and globes, features and forces of the earth, climate zones, and culture regions, that will orient the students to the importance of geography in today's world.

Units of study may include but are not limited to the following: United States & Canada, Latin America and the Caribbean, Western Europe, Eastern Europe & Russia, North Africa & the Middle East, Africa and the Sahara, South Asia, East Asia, Southeast Asia, and Antarctica, Australia, & Oceania.

POLITICAL BEHAVIOR: Required Class Grade 12 (1 semester)

This is a refresher course in American Government. Political Behavior looks at the working of the U.S. government and the role of the citizen in the democratic process.

WORLD HISTORY: Grades 11-12 (Meets up to 10 credits of Junior/Senior Social Science requirements)

This class can be taken as a semester class or as a yearlong class.

This class is divided into two parts. The first semester is a brief survey of world history. Second semester emphasizes several cultural regions, which are of current interest, such as Latin America, Middle East, Russia, China, India and Pakistan, Southeast Asia and Africa.

PSYCHOLOGY: Grades 11-12 (1 semester) (Meets 5 credits of Junior/Senior Social Science requirements)

Psychology is a science that seeks to answer questions about us all: how we think, feel, and act. It is defined as the science of behavior and mental processes. Unit topics include: The Developing Child, Adolescence, Adulthood, Sensation and Perception, Motivation and Emotion, States of Consciousness, Intelligence and the Brain, Learning, Memory, Language, Critical Thinking, Statistics, Psychological Disorder, Therapy, Stress, Personality, and Social Psychology.

SOCIOLOGY: Grades 11-12 (1 semester) (Meets 5 credits of Junior/Senior Social Science requirements)

Sociology is a study of human behavior in-groups. Basically, the class is divided into two parts. The first half deals with the methods and vocabulary with which the sociologists work. The second half attempts to apply this information to sociological problems such as prejudice crime, etc.

CURRENT ISSUES: Grades 11-12 (1 semester)

(Meets 5 credits of Junior/Senior Social Science requirements)

This course is a one semester course. Current issues is designed to inform the students to have a better understanding of the topics of major concern and involve people in dealing with and solving issues of the world today. Understanding the world around us is a vital skill in this age of increasing globalization. Current events of the United States and of the world are a big part of the understanding of the major issues facing the world today. This course will use online news sources, CNN.com, ABCNEWS.com, OmahaWorldHerald.com, and other appropriate websites. Due to the contemporary nature of the course's topics, no single textbook is used to cover the details of the topics covered.

Topics of study will include but not limited to the following: Foreign Policy, U.S. and the World, Global Economy, Terrorism and defense, Population, Urbanization, Environment, Civil Rights, Poverty, Crime, National Security, Death Penalty, Cloning, Gun Control, Media Influence, Presidential Politics, and Healthcare.

AGRICULTURAL EDUCATION

All of the agricultural classes are semester classes with the exception of *Intro to Agriculture Science & Technology*. Some of the classes will be offered every other year. Please check with the advisor before registering for your classes.

The nature of the agricultural industry has been rapidly changing. In order for the students at Broken Bow to become more aware of the changing technology and career possibilities, the curriculum is being changed to address those needs. The courses listed are set up on a semester basis allowing students to select the courses they feel will be beneficial to their education.

The opportunities to participate and excel in the FFA program are open to all students enrolled in Agricultural Education, but FFA is not required.

It is suggested in order for students to gain the most from the program that, as freshmen, they enroll in Introduction to Agricultural Technology. This approach will allow them to branch out into their areas of interest.

INTRODUCTION TO AGRICULTURE SCIENCE & TECHNOLOGY: Grade 9-12

This course is an overview designed to introduce first year students to the world of agriculture and agribusiness. This year course includes career opportunities in agriculture and agribusiness, the importance of agriculture in the world, research, and development, analyzing agricultural experience programs, personal finance management, basic plant science, basic animal science, and basic food science technology. Special emphasis will be placed on introductory leadership development.

LEADERSHIP/PERSONAL DEVELOPMENT: Grades 11-12 (1 semester)

This course is a broad overview of leadership development through better understanding of an individual's personal development and group interaction. This semester course includes leadership in the community, characteristics of an effective manager, developing communication with groups and individuals, and demonstrating groups and individual efficiency. One of the major projects class members will do is part of the PALS Project. To enter the class you must complete an application and be approved.

COMPANION ANIMAL CARE: Grades 10-12 (rotating years, 1 semester)

This course is an overview of the career opportunities and job responsibilities of zoo keepers, lab animal technicians, pet shop workers, dog groomers, kennel operators, and veterinary assistants. The semester will include small animal production, care, health, feeding, grooming, reproduction, and breed identification.

LARGE ANIMAL CARE: Grades 10-12 (rotating years, 1 semester)

This course includes advanced scientific principles and communication skills that build on the knowledge and skill learned in Animal Biology. Topics include animal waste management, animal science economics, decision making, global concerns in the industry, genetics, and breeding. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.

ANIMAL BIOLOGY: Grades 10-12 (semester)

Prerequisite: Introduction to Agriculture or permission of instructor

We will be using the CASE (Curriculum of Agricultural Science Education) materials. The major focus of the Principles of Agricultural Science – Animal (ASA) course is to expose students to the world of agriculture, animal science, and career options. Students participating in the ASA course will have experiences in various animal science concepts with exciting hands-on activities, projects, and problems. Students' experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health, selection, and marketing. For example, students will acquire skills in meeting the nutritional needs of animals while developing balanced, economical rations. Throughout the course, students will consider the perceptions and preferences of individuals within local, regional, and world markets.

Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel, face in their respective careers.

In addition, students will understand specific connections between animal science lessons and Supervised Agricultural Experience and FFA components that are important for the development of an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community.

The ASA course of study includes:

- Background and Social Issues of Animal Science
- Anatomy and Physiology
- Nutrition
- Reproduction
- Genetics
- Animal Health
- Animal Selection

NATURAL RESOURCES/WILDLIFE MANAGEMENT: Grade 10-12 (1 semester)

This course is an overview designed for students interested in natural resources and conservation. Because of the universal uses of the environment, this course is applicable for every student. Emphasis will be placed on the intelligent use of wildlife and natural resources available within the state as well as an understanding of the importance of wildlife and natural resources. The semester includes careers, resource awareness, current topics of resource management, conservation, wildlife management, pollution, forestry, the government and the environment, wildlife and fish species, fish and wildlife management, management of special wildlife areas and practicum in resource management. As a part of the class, members will be involved with PALS project in mentoring elementary and middle school students. Students must complete an application and be approved.

POWER MACHINERY: Grades 11-12 (1 semester)

This course is an overview of power and machinery with emphasis on maintenance, principles, and operation of engines. The semester will include ignition, fuel systems, lubrication systems, air systems servicing small engines, and overhauling of single cylinder engines.

ADVANCED POWER MACHINERY: Grades 11-12 (1 semester)

Prerequisite: Power Machinery or permission of instructor

This course is an overview of advanced power machinery with emphasis on maintenance service, and various uses of power. The semester will include wiring practices, electric motors, and controls, operation of multi-cylinder engines, systems of multi-cylinder engines, engine overhaul, and shop work on engines. Major emphasis will be placed in the electronics area.

METALS AND WELDING: Grades 11-12 (1 semester)

This course is an overview of metalworking and the various types of welding. Skill development will be a large part of this course and is designed for those students wishing to gain expertise in working with metal. The semester will include oxyacetylene introduction, cutting and welding, and arc introduction and welding skills

ADVANCED METALS AND WELDING: Grades 11-12 (1 semester)

Prerequisite: Metals and welding or permission of the instructor

This course is an overview for those seeking advanced welding skills with the use of the various machines. The semester will include introduction and welding with the spool gun, MIG, and TIG welding skills with the use of the various machines: the use of the plasma cutter, and welding aluminum, stainless steel, cast iron, and hard surfacing. Time will be allowed for fabricating and maintaining equipment.

PLANT SCIENCE: Grades 11-12

The Principles of Agricultural Science – Plant (ASP) course will expose students to the world of agriculture, plant science, and career options. Students will have experiences in various plant science concepts through exciting “hands-on” activities, projects, and problems. Student experiences will include the study of plant anatomy and physiology, classification, and the fundamentals of production and harvesting. Students will learn how to apply scientific knowledge and skills to use plants effectively for agricultural and horticultural production. Students will discover the value of plant production and its impact on the individual, the local, and the global economy.

FOOD SCIENCE: Grades 10-12

Food Science will be an interactive class that is focused on the food industry. You will learn about safe food handling and preparation practices as well as increase your understanding of food production from farm to table. We will focus on the science that happens when preparing food and meat.

TEACHER’S AIDE: Grades 11-12

This class can be taken as a semester class or as a yearlong class.

You are expected to attend every day that is possible. If you do need to be gone, it is your responsibility to notify the person you are working for.

This is a class that gives the student a chance to work in varied settings. You may be an aide to a teacher, library staff, or work in any of the school offices. You must have written permission from the teacher, no failing grades the previous semester and approval of the principal. You will be evaluated at each mid-term and each nine weeks. This evaluation will be given to the high school principal. If any problems should arise, you may lose the privilege of being an aide. Upon successful completion, the student will receive a grade (at the semester only).

DUAL CREDIT CLASSES

Dual credit is academic credit awarded to high school students in Nebraska accredited secondary schools both by Broken Bow High School and an accredited post-secondary institution approved by the Broken Bow Schools for the same time and work requirement. Students may simultaneously earn academic credit that will be applied toward high school graduation requirements as well as being posted on the post-secondary transcript, which may be counted toward post-secondary degrees.

Requirements for Dual Credit Class Status:

- Courses must be taught by Nebraska certificated teachers.
- Courses must appear on the high school schedule.
- Dual credit courses will receive 5 credits for each semester of class time that puts in at least 200 minutes of class time per week.
- Students must be a Junior or Senior in good standing.
- Students taking a dual credit Math class will be required to have a qualifying ACT math sub score or a qualifying ACCUPLACER math score. Please see course instructor for qualifying scores.
- Students must complete the required Dual Credit course form and have approval from the high school principal prior to acceptance of the course.
- The grade will be counted into the student's GPA.

Dual Credit Courses at BBHS:

- College Composition *Requires qualifying English score*
- College Composition *Requires qualifying English score*
- College Literature *Requires qualifying English score and passing College Composition I*
- College Algebra (1st sem Pre-Calculus) *Requires qualifying Math score*
- College Trig. (2nd sem Pre-Calculus) *Requires qualifying Math score*
- Statistics *Requires qualifying Math score*
- Calculus *Requires qualifying Math score*

GUIDELINES FOR THE SUBSTITUTION OF GRADUATION REQUIREMENTS

The Broken Bow Public Schools will recognize or accept credit from accredited post-secondary institutions for students earning at least 200 credit hours from an accredited high school curriculum program. The Broken Board of Education will allow the substitution of courses from an accredited post-secondary institution for courses required to graduate from Broken Bow High School as long as the student is enrolled in the school and meets the following requirements.

Requirements for the Substitution of Courses to meet Graduation Requirements

- Students must complete a course substitution form and have it approved by the high school principal for each course.
- Student must be a Junior or Senior in good standing.
- Each course approved for substitution will receive 5 credits for each semester of sufficient class time.
- The grade will be counted into the student's GPA.
- Students must earn a minimum of 200 high school credits from an accredited secondary institution.
- A college grade report or transcript will be required for the final approval of any course substitution.

Broken Bow High School 2019-20

REGISTRATION FORM

Sign up for sixteen class units.

Please double check to see you have listed all **Required** courses & **any classes to be Retaken** due to failing grades, etc.

Classes for 2019-20 school year

FIRST SEMESTER
COURSE NAME

SECOND SEMESTER
COURSE NAME

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

- _____
- _____
- _____
- _____
- _____
- _____
- _____
- _____

***Alternative Courses:**

Parent Signature

Date

Student Signature

Broken Bow High School 2019-20

REGISTRATION FORM

Sign up for sixteen class units.

Please double check to see you have listed all **Required** courses &
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Classes for 2019-20 school year

FIRST SEMESTER
COURSE NAME

SECOND SEMESTER
COURSE NAME

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____

- _____
- _____
- _____
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- _____
- _____
- _____
- _____

***Alternative Courses:**

Parent Signature

Date

Student Signature