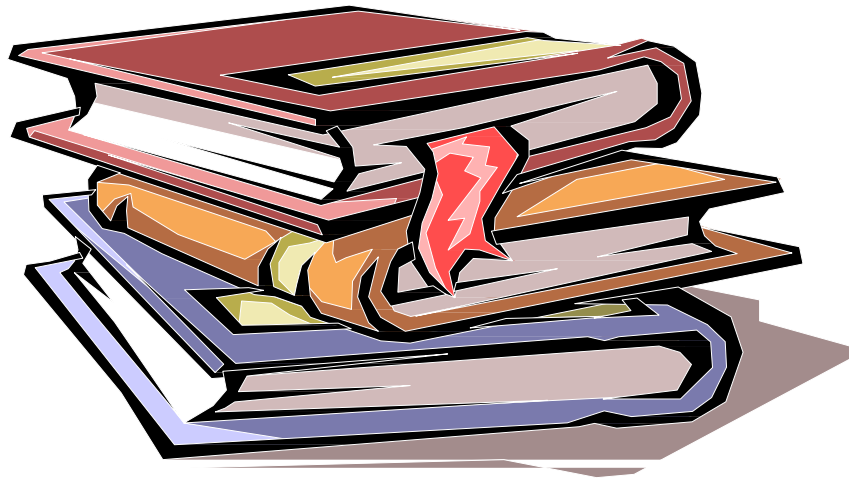


Lake Preston High School
2017-2018
Curriculum Guide



LPHS

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ART

ART I:

Prerequisite: None

Credit: ½ Credit per Semester

Recommended For: Fine Arts Graduate Credits – Grades 9-12

The introduction to art is stressed in this class. Students are given an opportunity to explore all aspects of art. The class is a full year with each quarter a different type of art.

First Quarter:

Students start out with drawing the first nine weeks. A variety of mediums are used to give them a feel of how broad art is. For example students start with pencil drawing and move to drawing with a computer.

Second Quarter:

The second nine weeks students do a variety of things; they begin with painting for four weeks. Acrylic and watercolor are used to show color blending and different techniques. The last part of the quarter is spent on sculpture and design principles.

Third Quarter:

Students will again go to painting this time oil paints will be used the first half of the quarter. The second half of the quarter is spent working on wax and plaster sculptures.

Fourth Quarter:

The last of the year is spent on soap and woodcarving, as well as landscape drawings outside. The students will learn how to mount their work for an art show, and how to etch glass.

Art II--Drawing and Painting/Printmaking and Design: (Alternate with Art III yearly)

Prerequisite: C Average in Art I

Credit: 1 per year

Recommended For: Grades 10-12

This is an advanced course for students who have taken Art I. It is requested that you received at least a C grade in Art I. This course is divided up with each nine weeks being a different type of art.

First Quarter:

Students will explore drawing using a variety of mediums.

Second Quarter:

Students will use four kinds of paints to express themselves.

Third Quarter:

Students will learn the different design principles and how they are used.

Fourth Quarter:

The last section will deal with printmaking. Students will go from the easy printmaking to the more difficult.

Art III--Sculpture: (Alternate with Art II yearly)

Prerequisite: C Average in Art I

Credit: 1 per year

Recommended For: Grades 11-12

Sculpture is a full year course that enables students to learn a variety of types of sculpture. Students learn to sculpt from natural products. Students will do abstract, realistic, and figurative sculptures. Students taking this class must have completed Art I and have some drawing skills. It is required that you received at least a C grade in Art I. Each sculpture will be drawn before sculpting.

Art IV

Prerequisite: C Average in Art I

Credit: 1 per year

Recommended For: Grades 11-12

This is a course that allows students do several "senior show" types of works. They will also do in-depth works of art in a variety of mediums to showcase their talent. Each student will receive a grade for projects as well as daily work grade. The projects are worth 70% of grade and daily work is worth 30%. Students can also experiment with new mediums they have never used before like glass flame work, computer graphics, or enhance photos in photo shop.

BUSINESS EDUCATION

Accounting I:

Prerequisite: None

Credit: 1

Recommended For: Grades 11-12

In accounting the student will study the entire accounting cycle as it relates to a sole proprietorship, a merchandising business, and corporation. One business simulation is used during the year to give the student a better look at how the accounting system is used in the business world.

Accounting II:

Prerequisite: Accounting I

Credit: 1

Recommended: Grade 12

This class is an advanced accounting course that reviews materials covered in Accounting I and introduces the students to more advanced accounting concepts. Accounting II introduces you to departmentalized accounting, cost accounting, and management accounting. In addition, students may use an accounting simulation and/or computer accounting work in order to reinforce concepts and principles used in the business world.

Business Law:

Prerequisite: None

Credit: 1

Recommended For: Grades 11-12

This class deals with understanding the law, and enforcing the law as it applies to the business world. It deals with the making of contracts. Some of the other areas covered will be renting and owning real property, applying law to employment, buying and selling, and understanding business organizations, all as they relate to the law.

General Business

Prerequisite: None

Credit: 1/2

Recommended For: Grades 11-12

General Business allows students to discover how a business works and how it impacts lives on a daily basis. Areas covered include small-business management, business fundamentals, social responsibility and ethics, basic economics, technology, financial operations, and risk management.

Personal Finance

Prerequisite: None

Credit: 1/2

Recommended For: Grades 11-12

This class will involve the study of business concepts that focus on the student's roles as a citizen, student, family member, consumer, and active participant in today's business world. Areas covered are as follows: 1) earning a living, 2) money management, 3) spending and credit, and, 4) savings and investing standards.

COMPUTER SCIENCE

Introduction to Information Technology

State Code: 10009

Prerequisite: None

Credit: 1

Recommended for: Grades 9

Introduction to Information Technology prepares students with the knowledge and background of the different computer areas and careers. In this course, students will be introduced to topics dealing with hardware, software, networking, interactive media, telecommunication, personal technologies, and new and emerging devices and technologies. Introduction to Information Technology will prepare students to understand the different careers in computer technology, prepare students for future course selections, and provide them with the background and knowledge needed to purchase, troubleshoot, and use technology.

Computer Applications (Virtual School)

State Code: 10004

Prerequisite: None

Credit: 1

Recommended for: Grades 9-12

Computer Applications is a course designed to teach students how to use the computer as a business and personal tool through the use of applications software. Appropriate software for database management, word processing, graphics, and spreadsheets will be used. Students will also perform activities using integrated software programs.

Computer Graphics

State Code: 10202

Prerequisite: None

Credit: 1

Recommended for: Grade 10-12

Computer Graphics will teach students how to create graphics on computer and, the representation and manipulation of pictorial data by a computer. The main objective will be to introduce students to the basic elements and skills involved in the creation of computer graphics. It will also demonstrate to students how to apply computer graphics skills and capacities to enhance published content. Students will learn about the connection between computer graphics capacities and skills and workplace career and professional opportunities. The student will learn the fundamentals and tools used to create and manipulate digital graphics.

HEALTH

Personal Living:

Prerequisite: Taken along with **Physical Education and Health Class**

Credit: ½ Credit/all year/every other day

Required: 9th Grade

This course will cover the following topics: Personal Health and Fitness, Mental and Emotional Health, Prevention and Control of Disease, Nutrition, Use and Misuse of Substances, Safety and Accident

Prevention, First Aid, Community Health, Consumer Health, and Environmental Health.

PHYSICAL EDUCATION

Physical Education and Health:

Prerequisite: Taken along with **Personal Living Class**

Credit: ½ Credit/all year/every other day

Required: 9th Grade

The aim of physical education is the development of physically, mentally; emotionally, and socially fit citizens through physical activities. Physical education should contribute to skill as a participant and spectator in sports. It also provides a source of leisure activities. The activities of the course include both individual and team games, with an emphasis on lifetime sports.

FOREIGN LANGUAGE

Spanish I: (Alternating years with Spanish II)

Prerequisite: None (A good understanding of English grammar is very helpful.)

Credit: 1

Recommended: Grades 10-12

In Spanish I, conversational Spanish is emphasized. Students study everyday Spanish and learn words and phrases, which would be useful to them in actual speaking situations. In addition, tapes in which native Spanish speakers narrate the chapter dialogues supplement the book. Students also practice speaking Spanish by playing games, performing skits, etc.

Spanish II: (Alternating years with Spanish I)

Prerequisite: Spanish I

Credit: 1

Recommended: Grades 11-12

In Spanish II, the emphasis shifts from conversational skills to studying culture, history, and more complex grammatical aspects of the language. Tapes in which native Spanish speakers narrate the readings supplement the Spanish book. Students also participate in various speaking and writing activities to improve their Spanish skills.

FAMILY AND CONSUMER SCIENCE

Nutrition: Decisions and Choices: (Foods)

Prerequisite: None

Credit: 1

Recommended: Grades 11-12

This is an in-depth foods class. First semester subjects include: nutrition, the food pyramid, and principles of cooking in all of the food groups, meal planning and consumerism. The second semester topics include foreign foods, US regional foods, creative cooking, weight control and specialized diets, outdoor cooking and more! Students must be junior or seniors to enroll in the class (preference given to seniors). This class is limited to 16 in a class.

LANGUAGE ARTS

English II: (Literature & Speech Communication)

Prerequisite: English I

Credit: 1

Required: Grade 10

This course's intent is to provide students with solid foundations in both literature and speech communication.

The first half of the year brings a study of literature in two forms. Students will read either the Native American novel *When the Legends Die* or the holocaust novel *Night* and will be exposed to a number of short stories and essays. During this portion of the year, the understanding of various literary elements and a broadening of one's working vocabulary are important objectives.

The second semester is spent concentrating on the theory and practice of both public speaking and interpersonal communication. Students will learn the essentials of preparing and delivering effective speeches, and they will be afforded the opportunity to put these essentials to work in front of their

classmates.

English III: (American Lit. & Composition)

Prerequisite: English II

Credit: 1

Required: Grade 11

Known also as American Literature, this course is just that--a study of works by American authors. Students taking this English class will study a multitude of genres including essays, autobiographies, speeches, short stories, poetry, and drama. In addition, those enrolled will study the novels To Kill a Mockingbird or The Pearl.

Frequent grammar, writing, and vocabulary assignments are also a part of English III. These aspects serve to strengthen the students' written communication skills.

Finally, members of this class will be required to complete a multi-part assignment focusing on career research. This is in conjunction with the Job Shadowing opportunity offered by Lake Preston High School.

English IV: (British Lit. & Composition)

Prerequisite: English III

Credit: 1

Required: Grade 12

This senior level class explores literature by both British and American authors. Enrolled students will study the epic poem Beowulf, Chaucer's Canterbury Tales, Shakespeare's Macbeth, and a classic novel. Twentieth-century British short stories and literature surrounding the legend of King Arthur are explored as well. Writing is an equally important facet of English IV. Time will be spent on the principles of composition, and these principles will be employed in several brief writing assignments. In addition, students are required to generate a formal term paper that includes rigorous research and the proper documentation of sources.

Creative Writing I:

Prerequisite: English II & I

Credit: 1

Recommended: Grades 11-12

Students enrolled in Creative Writing will study a variety of topics including proper layout principles, and writing effective news, sports, and feature stories and creative writing activities. They will also spend time reading local and national newspapers and magazines in an effort to learn from them. In addition to completing classroom assignments, each class member will be required to contribute to the *Blue & Gold*, the school's newspaper, and *The Prestonian*, LPHS's yearbook.

NOTE: Students unable to enroll in creative writing are certainly eligible to contribute to the school's newspaper. Only students in creative writing can work on layout of the annual but anyone can contribute photos.

Creative Writing II:**Prerequisite:** Creative Writing I**Credit:** 1**Recommended:** Grade 12

Students enrolled in this course will continue with the requirements for Creative Writing I and will take on leadership roles such as editors and co-editors for the Blue and Gold (newspaper) and The Prestonian (yearbook). Students with leadership responsibilities will meet all the requirements for Creative Writing I and will also be expected to spend additional time outside of class completing duties for the newspaper and yearbook.

Study Skills (ACT Prep): (Fall semester)**Prerequisite:** 10th Grade Speech**Credit:** ½ Credit**Recommended:** Grade 11-12

The purpose of Study Skills is to increase student awareness of different methods of studying students can use and apply to future classes. Students will demonstrate knowledge of different study skills through a variety of summative assessments and performance tasks.

Students will also focus on ACT Preparatory activities. The purpose is to increase student awareness of the importance and significance of preparation for improving their ACT college entrance exam score. The ultimate goal is for students to become more confident of their ability of work with various concepts and relationships of the four areas tested by the ACT. Students will receive assistance in registering for the ACT exam at their desired testing site. Students enrolled in this class should be at least a junior and should have intentions of taking the ACT exam.

Novels: (Spring semester)**Prerequisite:** English II & I**Credit:** ½ Credit**Recommended:** Grades 11-12

Intended to supplement the study of literature in the four required English classes, Novels will allow juniors and seniors the opportunity to explore important works not otherwise dealt with. Character development and motivation, themes, and the social and/or political situation surrounding various novels will be our focus.

While the majority of the material will be studied together as a class, students will be required to spend some time reading novels of their choice outside of the classroom. These chosen works will be the basis of individual projects due in conjunction with each novel.

MATHEMATICS

Beginning with the Class of 2015, three credits of mathematics, Algebra I or higher, will be required of all high school graduates. Many colleges require 3 credits of math, but do not count general math or basic algebra. Please plan your schedule with this in mind.

Basic Algebra:**Prerequisite:** None**Credit:** 1**Required:** Grade 9

Basic Algebra does not count towards high school graduation requirements. This class introduces and explores the concepts of Algebra I, but with less depth. Students who struggle with mathematics and would like to strengthen their basic mathematical foundation before taking Algebra I should take this class.

Algebra I:**Prerequisite:** 8th Grade Math – C or above**Credit:** 1

Required: Grade 9

Algebra I is required for high school graduation. This class will explore the relationships between quantities and reasoning with equations; linear and exponential relationships; descriptive statistics; expressions and equations; and quadratic functions and modeling.

Algebra II:**Prerequisite:** Algebra I**Credit:** 1**Required:** Grade 10

Algebra II is required for high school graduation. This class will focus on polynomial, rational and radical relationships; trigonometric functions; Modeling with functions and making inferences and drawing conclusions from data.

Geometry:**Prerequisite:** Algebra I**Credit:** 1**Required:** Grade 10 or 11

Geometry is required for high school graduation. Topics covered in this class include congruence, proof and constructions; similarity, proof and trigonometry; three dimensional figures and relationships; connecting algebra and geometry through coordinates; circles and coordinates and applications of probability.

Advanced Math:**Prerequisite:** Algebra II & Geometry – C's or above**Credit:** 1**Recommended:** Grade 11 or 12

Advanced Math is a prerequisite to Calculus. This class is recommended for anyone planning on pursuing a bachelor's degree or higher. Advanced Math will focus on the applications of functions and graphs; polynomials, rational, exponential, logarithmic and trigonometric functions; trigonometry; systems of equations and inequalities; and matrices and determinants.

Calculus:**Prerequisite:** Advanced Math – C or above**Credit:** 1**Recommended:** Grade 12

Calculus is recommended for anyone planning on pursuing a degree in the fields of medicine, mathematics, science, business or engineering. Topics covered in this class include limits, continuity; derivatives; tangent line problems; quotient and chain rules with derivatives; Implicit and explicit differentiation; finding the area underneath a curve.

Business Math:**Prerequisite:** None**Credit:** 1**Recommended:** Grade 12

General Math does not count towards graduation requirements. It is recommended for students who are interested real-life applications of mathematics. General Math will focus on gross and net pay; interest; loans; insurance and investments; and budgeting.

MUSIC**Instrumental Music:** (Band)**Prerequisite:** Lessons set by instructor if no prior experience**Credit:** ½**Recommended:** Grades 9-12

The instrumental music at Lake Preston covers a whole gamut of sounds, such as: concert band, marching band, pep band, jazz band, small ensembles, and solos. The two age groups are basically divided into A band, grades 9-12, and B band. The concert bands perform several concerts throughout

the year. The small ensembles and soloists are divided from this group. Marching band will be competing in many local homecoming parades. Pep band will perform at many home high school sporting events. Grades 9-12 are involved with grades 6-8 being welcomed at different times. Jazz band, consisting of the right instrumentation will perform at concerts as well as area contests. Weekly lessons are required for students in grades 5-8. High School student's lessons are optional.

Mixed Chorus:

Prerequisite: None

Credit: ½

Recommended: Grades 9-12

Required concerts in December and May—counted as the Semester Test as this is the final product of the work that has gone on in class during the semester.

Small group contest in March—opportunity for solos or small ensembles to perform and be critiqued.

Participation in full chorus makes a student eligible for show choir, All-State chorus, S.D. Honors Choir, Solo & Ensemble contest. Extra performances for school or community events are also possible. The types of music covered are pop, classical, and concert vocal music. This is intended for those who enjoy music and like singing individually and as a group.

Show Choir:

Tryouts for Show Choir will be held in early fall. Music styles covered will be pop and jazz vocal music with dance movements/choreography to enhance the sound. Concert will be held in March. Contests are usually held in March. Much dedication is required, as many hours of practice are needed to put singing and dancing together. Each student may be expected to purchase shoes (men-black, women-tan) if the school does not have their size available. A “buy-back” program is available for seniors.

Vocal Lessons:

(On request) There will be one lesson each week where students will work on chorus songs and solos to improve vocal sound. Available times are flexible. Also lessons may be scheduled before special events.

SCIENCE

Physical Sciences:

Prerequisite: None

Credit: 1

Required: Grade 9

A general course in science which includes the study of the following topics: atomic structure, matter simple machines, heat and temperature, sound, light, color, optics, static and current electricity. The first unit includes a review of mathematical skills to be used throughout the course.

Biology:

Prerequisite: None

Credit: 1

Required: Grade 10

Biology is the study of living things. The course will cover many things, including cell structure, heredity, and genetics, microbiology, the classification of living organisms, and aids.

Advanced Biology:**Prerequisite:** Biology**Credit:** 1**Recommended:** Grades 11-12

Advanced Biology will cover human anatomy, zoology, and microbiology. Current events in Biology will also be discussed. Students considering Health related careers should sign up for this course.

Chemistry: (Alternating years)**Prerequisite:** 2 years Math, Physical Science**Credit:** 1**Recommended:** Grades 11-12

A science course which looks at atomic structure and the chemical nature of matter and energy. The course includes the use of the periodic chart of the elements, organic chemistry, and chemical bonding. Chemistry is a recommended course for college bound students especially those considering nursing, medical technician, engineering, or any science related field. Any student taking chemistry must have successfully completed Algebra I. Algebra II is recommended.

Physics: (Alternating years)**Prerequisite:** Algebra II, Physical Science**Credit:** 1**Recommended:** Grades 11-12

Physics is an advanced science course in which motion and the forces that cause motion are studied. In addition the effects of heat, characteristics of sound, the nature of light and electricity are covered. Any student taking physics should have completed Algebra I and Algebra II.

SOCIAL SCIENCES**World History and Geography:****Prerequisite:** None**Credit:** 1**Required:** Grade 10

The class is an introduction of how the world is becoming a global community. Students will be exposed to the five themes of geography and to the cultures of each region of the world. The early history, modern history, and geography will be covered in Africa, South Asia, Southeast Asia, Australia, Oceania, East Asia, Latin America, Canada, Europe, the Middle East, and Russia (including the nations of the former Soviet Union).

U.S. History:**Prerequisite:** None**Credit:** 1**Required:** Grade 11

U.S. History is an overview of our country's development since the Civil War. This course covers the following major periods: Civil War; Reconstruction; Wars from French and Indian through Persian Gulf; Gilded Age; Progressives; and Decades of the 20th Century.

Objectives for the course include:

1. To be aware of important events that have shaped our country.
2. To appreciate the role of outstanding individuals and also of ordinary people.
3. To develop pride in our nation and loyalty to our country.
4. To develop background for, and interest in, current events.
5. To develop skills in reading maps, charts, graphs, and evaluating materials.
6. To arouse a further interest in aspects of U.S. History.

American Government:

Prerequisite: None

Credit: 1

Required: Grade 12

American Government is an examination of the background of our government, how our government functions and the responsibilities of citizens. In this course, you will study the modern political and economic systems; how our country developed a constitution and the struggles of our nation's political participation (political parties, pressure groups, elections, and etc.). Congress, the presidency, a look at the role government plays in various aspects of our lives; the courts and justice system will all be studied. Students will also study state and local government. A major emphasis will be placed on discussion of current events and popular issues of the time.

Objectives for the course include:

1. To gain knowledge of the rights and responsibilities of citizens at the local, state, and federal government levels.
2. To understand the separation of powers in the United States government.
3. To understand the election process, including primaries.
4. To gain knowledge of the importance of civil liberties and the protection of minority views, and current issues involving those principles.
5. To develop a continuing interest in government.
6. To develop a vocabulary for reading and talking about government.
7. To study some of the current problems of government.
8. To help students become more aware of current events and happenings in the world around them.

Sociology: (Offered with Psychology/same year)

Prerequisite: None

Credit: 1 Semester/ ½ Credit

Recommended For: Grades 11-12

Sociology includes the study of practical uses of sociology and how a sociologist works. Topics to be studied in this course include the concept of socialization and the effect of culture in shaping personality. The course also deals with social institutions such as family, government, school, and church. The problems created by rapid population growth, problems faced by cities, racial and ethnic minorities in the United States, and delinquency, crime & poverty are also studied. Students will study how the environment influences one's life; relationships; aging, gender roles, and the American family.

Psychology: (Offered with Sociology/same year)

Prerequisite: None

Credit: 1 Semester/ ½ Credit

Recommended For: Grades 11-12

Psychology is the study of behavior, exploring what people do, how they think, and why they act as they do. In this course we will study how behavior develops, the effects of heredity and environment on behavior; we will also study personality, intellectual ability, the principles of learning, motivation and psychological disturbances. Students will learn about the biological influence on behavior, sensation and perception, small group behavior social attitudes and peer pressure. The students will also learn skills in teamwork, sportsmanship, leadership, stress management, conflict management, decision-making & memory skills.

Human Geography

Prerequisite: None

Credit: ½

Recommended: Grades 9-12

Human Geography is a detailed and expanded version of all the social science classes offered. Students will take part in a lot of research based projects giving them an opportunity to expand their understanding of different nations, cultures, and backgrounds from around the world. From modern day developed

nations to ancient third world countries, a broadened outlook is just one of many things students will gain by taking Human Geography.

SPECIAL EDUCATION

At Lake Preston we have full time special education staff serving students with a variety of disabilities in grades kindergarten through twelve. The instructors have rooms that are designated as resource/learning lab rooms for students who are having a difficult time coping with the requirements of the general education curriculum. Students with learning or other disabilities are either integrated in the regular classroom with accommodations/modifications or spend varying amounts of time in the resource rooms depending on the severity of their disabilities. In either case, special "Individual Education Plans" or I.E.P.s are written for these students with a primary objective of this program being to develop academic, social, and life skills that will enable these students to succeed in the classroom and ultimately in future career and adult living situations.

NORTHEAST EDUCATIONAL SERVICES COOPERATIVE

Educational programs for special students are shared with several school districts. The main goal of the Cooperative is to provide educational programs that the local districts may not be able to provide individually. The Cooperative then becomes the entity through which the districts are able to meet the state and federal government's requirements for providing services to special students. Students in need of special assistance include students age 0 through 21 who cannot achieve to their expected potential without special assistance.

Cooperative Services may include:

- Early Childhood
- Speech and language
- Learning disabled
- Hearing impaired
- Visually impaired
- Occupational or Physical Therapy
- Behavioral disordered
- Mentally handicapped
- Transitional Services
- Psychological Services

The governing body of the Cooperative includes the Board of Directors, which is a representative from each one of the districts boards and the Board of Advisors, which are the district superintendents.
Director – Jerry Aberle

Agriculture Education

AG I: Leadership & Personal Development: (Fall Semester followed by Introduction to Agriculture, Food, and Natural Resources)

Prerequisite: None

Credit: ½ Credit

Recommended: Grade 9

Leadership and Personal Development will give students the chance to explore the curriculum of the Agricultural Education department at Lake Preston School. The course will begin with an overview of FFA and its correlation to the Ag classroom. Following the FFA unit, students will engage in the basics of parliamentary procedure, and they will test the waters by looking at various careers in agriculture. When students leave this class, they will have a basic exposure to assist them in taking any of the Ag courses offered at Lake Preston Public School. Throughout this course, they will also be able to take advantage of the opportunities created by their involvement in the Ag classroom.

AG I: Introduction to Agriculture, Food, and Natural Resources: (Spring Semester preceded by Leadership & Personal Development)

Prerequisite: None

Credit: ½ Credit

Recommended: Grade 9

Intro to AFNR allows students to study a variety of agricultural topics throughout the seven AFNR pathways (food products and processing; animal science; natural resources; agribusiness; plant science; power, structural, and technical; and environmental services.) Students will learn what agriculture really is by studying the various areas. Career Development Events will help students expand their knowledge of specific areas they choose.

AG II: Fundamental Ag Structures Technology: (Fall Semester followed by Natural Resources)

Prerequisite: None

Credit: ½ Credit

Recommended: Grades 10-12

This course is offered to meet the basic needs of agricultural structures industry. In South Dakota, the demand is increasing for certified electricians, plumbers, contractors, and mechanics. This course will continue to expose students to various job opportunities and career paths in this high demand industry. Topics covered will include safety, plan creation, cost estimation, and ag structures assembly. Students are required to work in the shop and complete projects.

AG II: Natural Resources: (Spring Semester preceded by Fundamental Ag Structures Technology)

Prerequisite: None

Credit: ½ credit

Recommended: Grades 10-12

South Dakota's natural resources play an important role in its economic health. Mining, toxicology, forestry, conservation, hunting, fishing, recreation, and tourism are career areas in which natural resources skills are necessary. Jobs within this field are very competitive and demand is expected to remain steady in some areas and drastically increase in others. This course is designed to give students a background in natural resource systems and the many career opportunities available in the field.

AG III: Ag Metal Fabrication: (Fall Semester, followed by Animal Science)

Prerequisite: None

Credit: ½ credit

Recommended: Grades 10-12

The Ag Metal Fabrication course exposes students to several careers in the metal fabrication industry. Students will learn welding preparation and safety procedures, properties of materials, and project design and construction procedures. Students will develop skills in shielded metal arc welding and gas metal arc welding, as well as in using the oxy-acetylene torch and plasma cutter. Students are required to wear proper safety clothing (including leather boots) and practice welding as required.

AG III: Fundamental Animal Science: (Spring Semester, preceded by Metal Fabrication)

Prerequisite: None

Credit: ½ Credit

Recommended: Grades 10-12

This course introduces the basic knowledge necessary to care for and meet the needs of animals. Animal agriculture is imperative to human kind and therefore creates innumerable job opportunities. Career exploration in the animal science field will be studied. Students will learn about anatomy, breeds, safety, nutrition, health, reproduction, genetics, performance, and consumer concerns. This animal science course will cover both pets and livestock.

AG III: Fundamental Plant Science: (Fall Semester, followed by Ag Mechanics)

Prerequisite: None

Credit: ½ Credit

Recommended: Grades 10-12

The plant science industry is a large part of the economic structure in South Dakota. Demand for this career area is growing in all areas, including crop and forage production, horticulture, and forestry. The following topics will be covered: plant anatomy, nutrition, selection, reproduction, propagation, and production as well as soil and pest management.

AG III: Ag Mechanics: (Spring Semester, preceded by Fundamental Plant Science)

Prerequisite: None

Credit: ½ Credit

Recommended: Grades 10-12

Prior to taking this course, students should have completed Fundamental Ag Structures and Metal Fabrication. This course will allow students to improve and fine tune the skills they learned in previous years as well as to learn new, advanced skills. All students must complete projects- independently and/or in a group setting.

AG IV: Agricultural Business & Sales: (Fall Semester followed by Advanced Ag Structures Technology)

Prerequisite: None

Credit: ½ Credit

Recommended: Grade 12 only

The Ag Business & Sales class will focus on business applications in agriculture. Students will not only be able to learn preparation skills for their own business adventure or job hunting skills, but will also be bettering themselves through looking at today's issues surrounding agriculture.

AG IV: Advanced Ag Structures Technology: (Spring Semester preceded by Ag Business & Sales)

Prerequisite: Passed Fundamental Ag Structures Technology & Metal Fabrication

Credit: ½ Credit

Recommended: GRADE 12 ONLY

The Advanced Ag Structures Technology class is for senior students who want to take advantage of the shop facility. We will review key shop procedures and the students will be off to work for themselves or on a "hired hand" projects. **STUDENTS WILL BE EXPECTED TO BRING THEIR OWN MATERIALS OR PURCHASE THEM FROM THE FFA IN ORDER TO BUILD A PROJECT.** A portfolio will be used for grading in this class. A student's portfolio will show the plan of attack for planning, building, and managing the production of a project. It is vital that students have passed Fundamental Ag Structures Technology and Metal Fabrication prior to taking this class.

Additional Courses

Youth Internship:

Prerequisite: Must have enough class credits

Credit: 1 per year (maximum of two over junior/senior years)

Recommended For: Grades 11-12

Junior and senior students at Lake Preston Public School shall be given the opportunity of a work study experience whereby a student can leave the school for up to two periods to work at a place of employment in an area of interest for the student. The student will be expected to go to work at the designated time and will receive a letter grade from the employer. One credit per school year up to a maximum of two credits over the student's junior and senior years can be earned. This work experience must be arranged prior to the beginning of the school through the principal's office and have the approval of the parent(s), the employer, the principal, and student. To qualify, the student must be registered for and have a schedule of classes that include a minimum of five academic classes. The student will not be considered absent when he/she is at work and it is the responsibility of the student and employer to notify the school if the student doesn't come to work at his/her designated time. This work experience will only be available to students that are working for an employer other than that student's parents and must have the approval of the high school principal.

Student Aide:**Prerequisite:** Must have enough class credits**Credit:** ¼ per semester**Recommended For:** Grades 9-12

Student with prior approval from staff member and principal may earn up to ¼ credit per semester as a student aid to a Lake Preston Public School staff member. An individual would have to be a student aid for two years to receive one credit. This aid is only during a student's study hall time. The student must have a total of six academic classes to become a student aid. This is a beneficial experience to the student as work experience with a quality individual is relevant.

Online and Distance Learning Courses

Many upper level or dual credit courses are available for Lake Preston Students. Any student interested in classes of this nature needs to see Mr. Casper, Mrs. Nelson, or Mr. Royer in August BEFORE school starts to research classes, enroll and adjust schedules.

Revised 4-1-17