

**2022 – 2023**

**BLOOMING PRAIRIE HIGH SCHOOL**

**REGISTRATION BOOKLET**

The registration process is beginning for all students attending Blooming Prairie High School in the year 2022-2023. This is a very important process for all students and parents. A plan needs to be developed to accomplish the student's educational goals. Parents and students need to ask and answer questions that may determine the student's future. Some of these questions are:

- What are my goals concerning education? (Four years of college, vocational or technical school, work, the military, etc.)
- What are my interests? (Science, Math, English, vocational, business, etc.)
- What courses do I need to take to meet my educational goals?
- Will I meet what is needed to graduate? (Local and state graduation requirements)

After all questions have been answered, then it is important that students recognize the following requirements to graduate from Blooming Prairie High School:

**1. All students need twenty-five (25) credits to graduate. These credits must include the following:**

- 4.0 credits of English
- 4.0 credits of Social Science
- 3.0 credits of Math taken in grades 9-12
- 3.0 credits of Science (must have Biology and Chemistry or Physics)
- 1.0 credit of Physical Education taken in grades 9-12
- 0.5 credit of Health
- 0.5 credit of Financial Management taken in grades 10-12
- 1.0 credit of Fine Arts (\*\*see paragraph below)
- 8.0 credits of electives

\*\*A fine art credit means that the student needs to take a year's worth of a fine arts class. Blooming Prairie will consider the following classes a year's worth of fine arts.

- ✓ Two (2) semesters of Art
- ✓ Band or Choir

**2. All students must attempt to receive at least six (6) credits each year, however one of those years a student must attempt to take seven (7) credits.**

**3. All courses need to be taken during the year they are offered. For example, English 10 must be taken during the sophomore year unless it has to be retaken.**

# ACADEMIC DIRECTORY

## AGRICULTURAL DEPARTMENT

### **Animal Science (Elective 1/2 Credit) Grades 11-12**

This course explores large animal science and career options. Student experiences include exciting “hands-on” activities, projects, and problems. Students will work in teams to learn animal science concepts similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. Areas of study include history and use of animals/cells and tissues; animal reproduction and genetics; animal products, marketing, and selection; animal handling and safety; animal nutrition; and animal health. Understanding the general functions of animals, their systems and their management is important to insure healthy animals and nutritional products.

### **Applied Agricultural Education (Elective, 1/2 credit) Grades 9-10**

This course is an introduction to agricultural education. It includes activities in leadership development. They will also have a unit in Parliamentary Procedure, and how to run an effective meeting. They will examine the opportunities in the FFA and also the importance of agriculture in the world. Students will also identify future trends and issues in agriculture. There will also be units in Agribusiness, Horticulture Science, Animal Science, and basic woodworking. While being enrolled in this course, you will earn your Agricultural credits that will go towards your FFA Greenhand degree and help earn your FFA Jacket. This course is the basic foundation that will be used to further your interests, knowledge, and career in the field of agricultural and is a rewarding experience in the workings of the National FFA Organization.

### **Companion Animals (Elective 1/2 Credit) Grades 10-12**

What do you need to know to keep a pet healthy? Someday do you want to own an exotic pet? In this class we will learn the basic care needed to keep dogs, cats, small animals, reptiles, birds, and fish healthy and happy. Animals affect our lives in many ways, from pets to products. Understanding the general functions of animal systems and their maintenance is important to everyone to insure healthy companion animals. We will learn through projects, demonstrations with your own animals, field trips, and guest speakers. This is an introduction to animal science class. You will learn animal classification, diseases, parasites, nutrition, reproduction, housing, equipment, and handling of animals.

### **Construction Management (Elective, 1/2 credit) Grades 11-12**

This is an excellent class for anyone who enjoys working with their hands or would like to learn more about construction techniques. Instructional areas include drafting, job layout, shop planning, safety, job estimation, teamwork skills, problem solving, self-management, blueprint reading and goal setting. You will be expected to keep financial records as well as a record of job tasks completed. During this class, we will be constructing an outdoor storage shed in the shop.

## **AGRICULTURAL DEPARTMENT**

### **Home Mechanics (Elective, 1/2 credit) Grades 10-12 (Spring)**

A lot of different topics will be covered in this course. In electricity we will be studying principles, terms and problems in the classroom, and wiring labs in the shop. In plumbing, we will be learning about parts, fittings, terms and the how-to in the classroom. We will also have labs in the shop that involve copper, galvanized, plastic and CPVC pipe. This course covers the basic operating principles, maintenance, and repair of four-stroke engines. Students will disassemble and assemble an engine in the shop using general and specialized measuring and testing instruments and tools. We also will be covering designing buildings and designing different types of shops. There will also be some carpentry tasks within this course too. A unit of career opportunities within the construction field will also be discussed.

### **Horticulture (Elective 1/2 Credit) Grades 10-12**

This course is designed to provide students with the opportunity to explore various aspects of the plant sector of the agriculture industry. Understanding of general plant functions and plant purposes will help students to appreciate the plants that decorate their world. In addition, we will focus on plant biology as this is a science credit elective course. Basic plant propagation, greenhouse production, environmental control, and marketing strategies are part of the curriculum. Hands-on experiences in a lab setting, classroom, lab work, and field trips will be an essential part of this class. Areas of study include plant propagation; floral design and selection; financial analysis; greenhouse production and environmental control; and marketing and business management.

### **Independent Living (Elective 1/2 Credit) Grades 11-12**

So, school has prepared you for success in college or the work force, but it's possible that you might not be ready for some of the tasks that pop-up in your daily life. This class is designed to help prepare students for the little or big challenges that can face them once they are on their own after high school. In this very hands-on DIY (do-it-yourself) class, basic maintenance relating to homes and cars will be covered. Students will learn to check automotive fluids, change a tire, change oil, and more. General carpentry, electrical, and plumbing skills will be taught. Students will also learn about the basic hand and power tools that many homeowners choose to utilize. Of course, once on your own, you'll have to prepare your own meals. The class will also learn about basic, affordable meal preparation and food safety. Other topics covered will relate to budgeting, time management, and communication. In the end, students will be better prepared to take care of many of their own problems and will depend less on parents, friends, or costly repair companies to address issues that arise

### **Introduction of Woods (Elective 1/2 Credit) Grades 10-12**

Introduction to woodworking is an overview to the field of wood technology. This is an excellent foundation course for a career woodworking or construction. It is designed to instruct students in the areas of reading project drawings, knowledge of woods and uses, calculations of materials, numerous joinery designs, wood lamination and project procedures. A major emphasis will be placed on shop safety, proper hand and power tool usage and wood processes. This course provides students with an in-depth introduction to the woodshop and the student will gain practical knowledge needed to work on their own projects or continue on with lifelong skills in woodworking and construction. Students will construct various teacher assigned projects as well as have the opportunity to create, design and build personal projects of their choice with teacher guidance and supervision.

## **AGRICULTURAL DEPARTMENT**

### **Intro to Ag-Science (Elective 1/2 Credit) Grades 10-12**

#### **Prerequisite: Physical Science**

In this class, we will be covering a number of different courses in one! This class is a combination of animal science, and horticulture. In animal science aspect, we will be studying agricultural animals including swine, beef, dairy, sheep, poultry, pets (cats, dogs, rabbits) and exotics. Areas of study will include the use of animal agriculture in the world. Students will also explain the principles of animal reproduction and genetics. We will also explore production industries within animal agriculture. Students will be able to explain feed and nutritional requirements for animals. A unit on animal digestion will also be discussed. You will learn about all the different breeds of animals, their role in the U.S. economy, and their uses in our society. We also will be learning about the digestive, reproductive, and circulatory, as well as management and nutrition, for equine, poultry, sheep, swine, beef, and dairy. In the horticulture aspect, we will be studying plant and weed ID, soil science, plant genetics, reproduction, crop management, and greenhouse management. Students will also be growing many different types of plants and flowers for part of their studies.

### **Landscape and Design (Elective 1/2 Credit) Grades 11-12**

#### **Prerequisite: Horticulture**

Landscaping impacts many aspects of our world, beautifying much of our outdoor surroundings. There is a science and art to landscaping. Design elements, plant and soil health, proper installation and maintenance and overall aesthetics are all important to good landscaping practices. Students will also design a back yard landscape or golf course. Be aware that the curriculum of this course is such that it is basically a plant science class with a landscaping emphasis. Topics include concepts of plant physiology, including plant parts, processes, growth regulators, pruning, propagation, management and more. This class explores soils, rock, block, concrete, and other landscaping materials. Included in the course is a focus on landscape design, including scale drawings and landscape symbols as well as tree, shrub, and flower selection. Practical skills relating to lawn care, tree trimming, drainage, fertilizers, and pesticides are all included in the Landscaping class. Basics of gardening, composting, mulch, and other such practices will be integrated. The class will also explore the world of landscaping and plant-related careers. At times subject matter will also include concepts related to agronomy (field crop production)

### **Metal Fabrication (Elective, 1/2 credit) Grades 11-12**

#### **Prerequisite: Welding I**

This course will be a continuation of Welding I, in the fact that you will be allowed to perfect the skills you have gained in Welding I. We will also be doing work with CAD (Computer Aided Drafting). We will also be doing a lot of hands-on work with the computerized plasma cutting table. In this class the students will also be designing, cutting, and constructing large metal projects that are either a personal project or a class project. **For this class, you'll need to have at least a grade of a C in Welding I to be in this course!** This class is for students who are **highly motivated and work well independently.**

## **AGRICULTURAL DEPARTMENT**

### **Vocational Work Seminar and Work Experience Program Grades 11-12 (Elective, 2 period block, 2 credits, yearlong course)**

**Prerequisite: Teacher Pre-approval for 11<sup>th</sup> graders**

***The student will be required to fill out an application during their summer vacation.***

This is an excellent class for anyone who wants to gain on-the-job skills and gain credits toward high school graduation. Instructional areas include advertising and promotion, human relations, personal finance, record keeping, problem solving skills, self-management, workplace ethics, sales presentations, job interviews, and goal setting. The student must be employed within the first week of the school year with an employer that is approved by the instructor. The student will be required to keep a complete set of financial records as well as records of the skills and knowledge gathered while on the job. The program is set up such that the class will meet on every Monday during 6th and 7th hours. Tuesdays through Fridays, you'll report to your place of employment during the 6th and 7th hour class periods. **One of the main requirements: You will need to be scheduled to work every day from 1:10 to 2:46 (Tuesdays through Fridays).**

### **Welding I (Elective, 1/2 credit) Grades 11-12**

This course covers the fundamentals that are associated with arc, oxy-acetylene, and wire feed welding. Students will develop safe welding habits and demonstrate proper use of tools in metal working and welding. A unit of career opportunities within the welding field will also be discussed. This includes principles of operation, safety, and metal fabrication. Most of the time will be devoted to perfecting your welds in various positions using all three different types of welders. This is a very hands-on course!

### **Wildlife & Fisheries (Elective 1/2 Credit) Grades 11-12**

This course focuses on fish and wildlife management, outdoor recreation, advanced hunter training, Ecology, Biomes, Ecosystems, Habitats, Carrying Capacities, and Symbiosis. Large Game Animal, Small Game, Upland Game Bird, Waterfowl, and Fish Identification will also be covered. Boone & Crockett Antler scoring, and hands on projects are a part of this class. Guest speakers, field trips, and projects from all areas of natural resources and resource management will add interest to active learning. This course would begin to prepare students for careers in the DNR, forestry, wildlife management, and fisheries areas.

## **ART DEPARTMENT**

### **Art I (Elective, 1/2 credit, 1 semester) Grades 9-12**

Art I is the study of the achievements of the human race in the visual arts from prehistoric times to the present. The class involves a textbook, related art projects, daily assignments, and tests. This course is the prerequisite for all other senior art classes.

### **Art II (Elective, 1/2 credit, 1 semester) Grades 9-12**

#### **Prerequisite: Art I**

In Art II, the students will produce original, creative, and expressive art works in both two- and three-dimensional art media. Emphasis placed on the elements and principles of design.

### **Art III (Elective, 1/2 credit, 1 semester) Grades 9-12**

#### **Prerequisite: Art II**

This course is an opportunity for the student to further the learning of Art II through the production of more advanced work in both two- and three-dimensional media. The possibilities for careers in art are also explored.

### **Art IV (Elective, 1/2 credit, 1 semester) Grades 9-12**

#### **Prerequisite: Art III**

Art IV is an advanced course in art for students who have demonstrated a special talent or interest in art. The students will work on an individual basis on special art projects under the supervision of the instructor.

### **Graphic Arts (Elective, 1/2 credit, 1 semester) Grades 9-12**

This is a class in which the student will learn how computers are used to produce materials for the printed page. The class will use Macintosh computers with the students learning PhotoShop.. The student may also be producing many of the graphic materials used in our school during the school year.

### **Graphic Arts II (Elective, 1/2 credit, 1 semester) Grade 12**

#### **Prerequisite: Graphic Arts I & PRINCIPAL & TEACHER PRE-APPROVAL**

Students who demonstrate a high aptitude in Graphic Arts I may produce original, creative works, which relate specifically to themselves, their high school, and their community. Students will make use of digital photography, scanning, and computer software to produce compositions for publishing. A final portfolio is required, along with a written description of the artist's personal statement and detailed description of how each project relates to that statement.

### **Studio Art (Elective, 1 credit, full year course) Grades 10-12**

#### **Prerequisite: Art IV & TEACHER PRE-APPROVAL**

Studio Art is for the student who seeks college credit for artwork done in high school. This rigorous program involves the production of a portfolio of work, which is sent to the College Board Examiners for evaluation and possible college credit. The student may choose to do either a drawing or a general portfolio. It would be wise to confer with the instructor and the counselor before attempting this class.

## **BUSINESS EDUCATION DEPARTMENT**

### **Accounting (Elective, 1 credit, full year course) Grades 11-12**

Accounting I deals with the keeping of financial records and understanding of business practices. It is of particular value to the student preparing for an office occupation or career in accounting or business management. It includes the use of the computer in the practical applications of the principles of accounting. **For people planning to operate a business of their own, Accounting would be a necessity**

### **Advanced Coding with SWIFT (Elective, 1/2 credit, 1 semester) Grades 10-12**

#### **Prerequisite: Intro to Coding**

Advanced Coding is a half-year course designed to teach high school students the skills needed to be an app developer capable of bringing their own ideas to life.

Building on the foundations learned in Intro to Coding, students will follow a step-by-step curriculum, working through practical exercises, creating apps from scratch, and building the mindset of an app developer. Throughout the course there will be five progressively challenging guided projects, each preceded by multiple lessons that cover the concepts and skills required to build the app. At the end of the course students will finish with a personal project that encourages students to create an app of their own design.

Peer code review will be an integral part of Advanced Coding. Code review is a crucial part of any app development. Reading someone else's code and having one's own code read by others—has many benefits. It will develop critical thinking, create pride of ownership, and highlight ways to improve.

By the end of the course students should have the skills and knowledge required to create real-world apps that adhere to many industry best practices. Equally important, they'll have a solid foundation to support their continued learning as they create more complex apps on their own.

**Students may take Advanced Coding as a weighted course. Students will need to complete one advance project beyond the class curriculum. See Mr. Gimbel for details.**

### **Financial Management (Required, 1/2 credit, 1 semester) Grades 10-12**

This course is designed to develop skills and knowledge that enables an individual to make effective choices throughout their lifetime. Every person is a consumer, regardless of his/her age, income, or job. Understanding how to make decisions, use resources wisely, and exercise rights and responsibilities in the marketplace is important for survival and will be discussed and practiced in class by using the high school financial planning program, computer software, guest speakers, and field trips to local businesses.

## **BUSINESS EDUCATION DEPARTMENT**

### **Introduction to Business and Marketing (Elective, 1/2 credit, 1 Semester) Grades 10-12**

Introduction to Business and Marketing is an introductory course designed to give students an overview of the Business Management and Administration, Marketing, and Finance career clusters. The course helps students prepare for the growing complexities of the business world by examining basic principles of business marketing and finance in addition to exploring key aspects of leadership ethical and social responsibilities, and careers.

Students' academic skills in communications, mathematics, and economics are reinforced with activities modeled in the context of business topics. Upon completion of this course, proficient students will be equipped with the foundational skills to succeed in any of the Business, Marketing, or Finance programs of study and will be prepared to make an informed decision regarding which pathways they would like to pursue in and after high school.

### **Introduction to Coding (Elective, 1/2 credit, 1 Semester) Grades 10-12**

**Note: This class is offered every other year. The next time it will be offered is in the 2023-2024 school year.**

Introduction to Coding is a half-year course aimed at exposing students to the world of coding. Coding, the language of the future, is used in every piece of technology. Intro to Coding is intended for students with no previous background and teaches how to code in a fun and systematic way. The course starts by introducing students to iOS development tools (developer and compiler), basic programming concepts using Swift as the language, and industry best practices. Building on this foundation, students will follow a step-by-step curriculum, working through practical exercises, creating apps from scratch, all while building the mindset of an app developer. Students will be equipped with programming fundamentals which will allow them to learn any programming language. The focus of the course will be on problem solving, critical thinking skills, and collaboration, culminating to the development of a final more elaborate app, and a final project of writing code to make a drone fly through an obstacle course.



## **FAMILY & CONSUMER SCIENCES**

### **Advanced Foods (Elective, 1/2 credit, 1 semester) Grades 9-12**

**Prerequisite: Foods I. Offered second semester only.**

This course is an extension of Foods I. You will have fun preparing and tasting foods, including appetizers, deep fat frying, calzones, salads, sandwiches, soups, and other. Also included will be creativity of food preparation and the how-to of entertaining, menu planning, and table service! There will be a fee for this class.

### **Baking and Pastry (Elective, 1/2 credit, 1 semester) Grades 10-12 Offered both semesters**

**Prerequisite: Foods I**

Students in Baking and Pastry Arts take on the world of pastry chefs. Baking principles and procedures will be examined and applied through hands-on practice and weekly food labs. Possible cooking units include pastries, pies and tarts, shortened cakes, whipped-cakes, cake decorating, quick breads, yeast breads, and other baked goods of student interest.

### **Child Development (Elective, 1/2 credit, 1 semester) Grades 10-12**

This class will discuss the many phases of childhood and the corresponding phases of parenting. The class will discuss conception, heredity, prenatal growth and development, birth defects, being born, the newborn, and the physical, social, emotional and intellectual development of infant through pre-school children. We will also interact with students at the elementary school. Students will also work with the Real Care Baby. Class will also include guest speakers, videos and projects.

### **Child Development II (Elective, 1/2 credit, 1 semester) Grades 10-12**

**Prerequisite: Child Development I**

This course is an extension of Child Development I. Students will learn about the child from age 4-12 years of age. We will also cover health and safety, family challenges, and early childhood education. Students will interact with students at the elementary school. Class will also include guest speakers, videos, and projects. \*\*\*College credit will be offered for those who earn no less than a B for the final grade in Child Development I and Child Development II.

### **Creative Foods (Elective, 1/2 credit, 1 semester) Grades 10-12**

**Prerequisite: Foods I**

What does it take to develop a new product? This course is designed to show students just that. Working in small groups, students will develop a new food product. They will work collaboratively to prepare, package, and market their product. Students will create gingerbread houses, food trucks, and have a cupcake war competition. There will be a fee for this class.

### **Foods I (Elective, 1/2 credit, 1 semester) Grades 9-12 offered both semesters.**

If you are open to tasting a variety of foods and learning how to survive in the kitchen, now and when living on your own, this will be a fun class for you. We will do basic food preparation, including fruits, vegetables, pastas, omelets and other! There will be a fee for this class.

### **International Foods (Elective, 1/2 credit, 1 semester) Grades 9-12**

**Prerequisite: Foods I**

Investigate traditional foods in the African, Asian Indian, Chinese, and Italian Cuisine and many more. You will have fun preparing and tasting food from all over the world. You will also become familiar with the religions and holidays from the different countries. There will be a fee for this class.

## **FAMILY & CONSUMER SCIENCES**

### **Sports and Nutrition (Elective, 1/2 credit, 1 semester) Grades 9-12**

#### **Prerequisite: Foods I**

Attention, health-conscious individuals! Want to increase your energy and endurance? Want to learn how to prepare nutritionally for today and your future? You'll have the opportunity to prepare foods that are easy to make and help you care for your body. Course work includes current concerns in nutrition and diets. Guest speakers share "real life" experiences about food and fitness. There will be a fee for this class.

## **LANGUAGE ARTS DEPARTMENT**

### **English 9 (Required, 1 credit, full year course)**

The class covers three general areas of study: literature, grammar, and composition. The approach in literature is the study of literature forms such as the short story and poetry, drama, and novels. Films are used to supplement the reading. Students should improve reading skills and gain an appreciation and understanding of reading and literature. The study of grammar includes knowledge of basic sentence structure and an understanding of how we use language. Accepted usage is also emphasized and practiced in the part of the class dealing with composition. The purpose of this part of the class is to improve the student's ability to communicate his/her thoughts in both written and spoken language.

### **English 10 (Required, 1 credit, full year course)**

The main objectives of the 10th grade English curriculum are to encourage reading, strengthen writing skills, build vocabulary, and enhance public speaking proficiency. Each quarter students are required to read 500 pages of an independent reading book of their choice. Each day, students are introduced to a new vocabulary word. A quiz on these words will be administered every Friday as well as a quarter test at the end of each quarter.

Quarter 1 is dominated by grammar. Students will routinely receive worksheets for this unit (most of them will be on Schoology). No textbook is issued to you in Quarter 1. We will study the parts of speech, components of a sentence, and how to write effective paragraphs. Quarters 2 and 3 are ruled by literature. We will read the classic novel, *To Kill A Mockingbird*, by Harper Lee and Shakespeare's *The Tragedy of Julius Caesar* and F. Scott Fitzgerald's *The Great Gatsby*. Quarter 4 is dedicated to public speaking. Students will write and deliver a variety of speeches. In addition, they will learn how to actively listen to a variety of speakers.

### **English 11 (Required, 1 credit, full year course)**

Included in this course is a complete and comprehensive study of the mechanics of grammar, including parts of speech, parts of sentences, clauses and phrases, sentence structure and sentence punctuation. There is emphasis on transferring these rules to actual writing. Also included is the study of literature. A survey of American Literature showing early America and its culture through its literature within an historical framework or period of time will be studied. In addition, an intensive study of modern novels will be covered.

**Note: 12<sup>th</sup> grade students must take either College English or English 12 to satisfy the 12<sup>th</sup> grade English credit.**

### **College English (Elective, 1 credit, 1.2 weighted grade, full year course) Grade 12.**

**Prerequisite: English 11, & Principal & Teacher Pre-Approval (3.0 GPA Required)**

**Note: You must be in the SMSU Concurrent enrollment program to take this class.**

English 151 and Literature 100 are the college freshmen level English requirements for most state colleges in Minnesota. These courses are sponsored by Southwest State University in Marshall. English 151: Academic Writing focuses on research, writing skill, and using and citing credible sources. Literature 100 is a literature analysis course.

Seven (7) college credits can be earned for the completion of both courses.

- Four (4) credits for English 151: Academic Writing
- Three (3) credits for Literature 100: Human Diversity

## **LANGUAGE ARTS DEPARTMENT**

### **English 12 (1 credit)**

#### **Composition and Research (1 semester) Grade 12**

A concentrated study of the four basic kinds of writing—description, exposition, narration, and creative writing—with emphasis on grammatical structure and corrections; and a major project of study involving the research paper, following the MLA Handbook format.

#### **English Literature (1 semester) Grade 12**

This is a survey course with a primary focus on the development of the English language and British literature.

#### **Contemporary Literature (Elective) Grades 11-12**

This course will explore major themes in contemporary literature. Students will read, discuss, and analyze literary selections. They will study different authors' styles and techniques. They will study and write about a variety of works including literature from different cultures, authors, and societies. The course will help students become more culturally literate and globally aware while developing vocabulary, reading, comprehension, and composition skills. **This course may be taken as a semester course or as a full year course.**

## **MATHEMATICS DEPARTMENT**

### **Algebra I (Required, 1 credit, full year course)**

#### **Prerequisite: Pre-Algebra**

This course is designed to help the student: 1) understand the basic structure of algebra; 2) recognize the techniques of algebra; 3) acquire facility in applying algebraic concepts and skills; 4) perceive the role of deductive reasoning; and, 5) appreciate the need for precision of language. This course guides the student in discovering mathematical principles and then furnishes him/her with a wealth of exercise material to strengthen comprehension of these principles.

### **Algebra II (credit, full year course)**

#### **Prerequisite: Geometry & Algebra I**

This course is designed to review the basic algebraic concepts, then to proceed to many of the same topics found in Algebra I with more complex problems. More work is done with quadratics, graphing, and applications and, also, the concept of logarithms is introduced and used in the solution of problems. The language of sets and functions is included in this course. This course is required for graduation for most students.

### **Calculus (Elective, 1 credit, 1.2 weighted grade, full year course) Grade 12.**

#### **Prerequisite: Pre-Calculus, & Principal & Teacher Pre-Approval**

#### **College Class info – SMSU Math 150 – Calculus I**

A year course devoted to the topics in differential and integral calculus. This class is part of the College Now program through Southwest State University and students will earn college credit if they qualify.

### **College Algebra / Statistics and Probability (Elective, 1 credit, full year course) Grades 11-12. Prerequisite: Algebra II, & Principal & Teacher Pre-Approval**

#### **College Class info for College Algebra – SMSU Math 110 – College Algebra**

#### **College Class info for Statistics and Probability – SMSU Math 200 – Introduction to Statistics**

This class is an alternative to Pre-Calculus for students who have completed Algebra II in their sophomore or junior years. This class is part of the College Now program through Southwest State University and students will earn college credit if they qualify. Half of the year will be devoted to College Algebra. Topics will include algebraic problem solving, functions, graphs, polynomial and rational functions, exponential and logarithmic functions. The second half of the year will be spent studying statistics and probability. The focus of this part of the class will involve probability distributions, graphical analysis, hypothesis testing, and analysis of real-world statistics. Technology items that will be used in both halves of the class will include graphing calculators, spreadsheets, computer graphing applications, and the Internet for statistical research. This course is highly recommended for those students not enrolled in Calculus or Pre-Calculus and who plan on attending a two- or four-year college.

## **MATHEMATICS DEPARTMENT**

### **Geometry (Required, 1 credit, full year course)**

#### **Prerequisite: Algebra I**

Emphasizing logical reasoning and spatial visualization skills enhances this comprehensive course. This course includes both plane and solid geometry integrated in each unit. The purpose of the course is to show the place and part geometry plays in our every day living and to develop systematic figures formed by combinations of these. The course is for students planning to attend college, vocational, or technical school after high school, and to understand concepts needed for every day life.

### **HS Experimental Math: (1 credit, full year) Must have Principal & Teacher Pre-Approval**

This is a differentiated class that includes: Algebra, Geometry, Statistics, and problem-solving topics.

### **Pre-Calculus (Elective, 1 credit, full year course)**

#### **Prerequisite: Algebra II**

The course is an advanced mathematics course offered in our school. The course includes advanced topics in Algebra, mathematical structures, matrices, sequences, and series. Also, advanced topics in number systems, functions, sequences and series are included. Both basic and advanced topics in Trigonometry, Probability and Statistics are worked on. This course introduces students to working with graphic calculators. This course is strongly recommended for those planning on engineering, medicine, and related fields, and for those who plan on a college major in the field of science and mathematics.

### **ITPC – Integrated Test Prep/Careers: (Elective, 1 credit, full year) Grades 11-12**

#### **Pre-requisite: Algebra II and Principal/Teacher pre-Approval**

This class will enhance Algebra I & II and Geometry skills in real-world career applications. The Mathematical components are derived from the Minnesota State Standards and review concepts that appear on the Minnesota Comprehensive Tests. It will also provide the students with an introduction to Trigonometry in order to provide extensive preparation for MCA-Grad, ACT, SAT, and college placement exams. The class also branches into the student's future beyond high school by having them explore different careers with speakers and mentoring with a business. The students also work together on the Stock Market lessons.

## **MUSIC DEPARTMENT**

**\*\*BOTH SENIOR HIGH CHORUS AND SENIOR HIGH BAND MAY BE REPEATED FOR ONE CREDIT TO A MAXIMUM OF FOUR CREDITS.**

**Senior High Chorus (Elective, 1 credit, full year course) Grades 9-12.**

**Prerequisite: Prior success in chorus and/or vocal audition.**

Senior High Chorus is a class designed to allow the student self-expression of music in a group situation. Music from a variety of mediums and styles will be rehearsed and performed. Emphasis is placed on posture, articulation/diction, breathing, rhythm, pitch, technique, musicality, and performance. Opportunity will be given for vocal solo/ensemble literature. **Seniors may now take Choir as a weighted course, Senior Choir Plus. This is only available during your senior class year, if this is your 4<sup>th</sup> year in the program. See Ms. Bottin for details.**

**Senior High Band (Elective, 1 credit, full year course) Grades 9-12**

**Prerequisite: Junior High Band or director invitation.**

Band is a rewarding course where students study and perform challenging music for the community in several ways including Pep band, two parades, graduation, all pep fests, four concerts and band festivals. Band students also assist in conducting, recruiting and mentoring elementary students, Senior High Band enrollment is required for the following extracurricular music groups/events: Solo and Ensemble Festival, Honor Bands, Large Group Festival, All band trips, and Jazz Band. Senior High Students are also eligible to earn a Varsity Letter in band.

**Seniors may now take Band as a weighted course, Senior Band Plus. This is only available during your senior class year, if this is your 4<sup>th</sup> year in the program. See Mr. Reishus for details.**

**Independent Study: Guitar – (Elective, 1/2 credit, 1 semester) Open to Grades 11-12 only**

**\*\*This class may be repeated up to one more time for a maximum of 1 credit.**

Students will learn beginning techniques on either acoustic guitar or electric guitar depending on their preferences. Printed materials will include TAB books, as well as standard music notation lesson books. While students are welcome and encouraged to bring their own guitars, a school one can be provided for a non-refundable fee of \$50 per semester. Guitar course work will include daily work, arranged lessons with Mr. Reishus as well as independent work both in and outside of class. This course may be repeated up to one more time, **with instructor approval**, in order to learn more advanced techniques for a total of 1 full arts credit. Since each student works independently, students with some guitar experience are still encouraged to sign up, as your instruction will take off from where you are, as opposed to starting completely over. Students should meet with Mr. Reishus BEFORE signing up for this course.

## **PHYSICAL EDUCATION & HEALTH DEPARTMENT**

### **Health Education 10 (Required, 1/2 credit, 1 semester)**

Health Education is concerned with the behaviors that contribute directly to the student's physical, mental, and social health. The course is concerned with promoting wellness through influencing positive changes in health-related behavior and through knowledge and attitudes that will teach students to act in ways that will allow them to make healthy decisions.

### **Physical Education 9 (Required, 1/2 credit, 1 semester)**

The physical education course involves the physical and social development of the student. Personal lifetime fitness is the focus of this class. Activities in this course center around personal choice in building fitness through activities that may be modified and enhanced to increase personal fitness levels. Activities in this course also contribute to personal responsibility, social interaction, sportsmanship, and working with others. To be actively involved, it is necessary for students to dress in proper attire. To be excused from physical education, a written medical excuse must be presented to the instructor. The excuse will be placed in the student's cumulative file folder in the office.

### **Physical Education Electives Grades 10-12 –**

**Note: One of the following Physical Education Electives must be taken in grades 10-12**

### **Advanced Elective Physical Education (Elective, ½ credit, 1 semester)**

Coeducational physical education is open to sophomores, juniors and seniors who have satisfied their physical education graduation requirements. Some activities offered are badminton, ultimate frisbee, pickle ball, soccer, basketball, volleyball, and softball. This course is designed to develop interest in lifetime physical recreation and to create an environment for those students who have the desire to participate in competitive tournament play

### **Boys Weight Training and Conditioning (Elective, 1/2 credit, 1 semester) Grades 10-12**

This physical education class is open to those students who have satisfied their required Physical Education graduation requirement. Activity will include proper training in weightlifting techniques and muscular development. This course is designed to enhance physical muscular structure and cardiovascular conditioning. The students will be placed on a dumbbell weight program 3 days a week and an aerobic conditioning program 2 days a week.

**Note:** This course can only be taken for one semester.

### **Girls Weight Training and Conditioning (Elective, 1/2 credit, 1 semester) Grades 10-12**

This physical education class is open to those students who have satisfied their required Physical Education graduation requirement. Activity will include proper training in weightlifting techniques and muscular development. This course is designed to enhance physical muscular structure and cardiovascular conditioning. The students will be placed on a dumbbell weight program 3 days a week and an aerobic conditioning program 2 days a week.

**Note:** This course can only be taken for one semester.



## **PHYSICAL EDUCATION & HEALTH DEPARTMENT**

### **Lifetime Fitness (Elective, 1/2 credit, 1 semester) Grades 10-12**

This physical education class is designed to enhance muscular strength and cardiovascular conditioning. The course is designed for the more experienced lifter. It will utilize the “Bigger, Faster, Stronger” program. To assist in reaching their individualized goals, students will be placed on a personalized weight training program three days a week and an aerobic conditioning program two days a week.

### **Outdoor Education Class (Elective, 1/2 credit, 1 semester) Grades 10-12**

**Note: This class is offered in the fall of every school year.**

This physical education class will provide the student with the basic information on hunter ethics, tradition, and hunting seasons. The students will also learn fishing skills such as casting and fish identification, fisherman responsibilities, camping and hiking regulations, and an awareness of the Minnesota outdoors. Activities may include Archery, Snow Shoeing, Hiking, Disc Golf, Fishing, Golfing, Corn Hole, Kan Jam, Spikeball, and others. Students will be participating in some outdoor activities.

### **Walking for Fitness (Elective, 1/2 credit, 1 semester) Grades 10-12**

This physical education class is an elective offered to students who are interested in improving their physical condition and appearance in a safe and effective manner, suitable for lifelong use. Students will work to develop cardiovascular fitness and behavior modification to maintain proper fitness levels. All while enhancing their overall health.

## **SCIENCE DEPARTMENT**

### **Anatomy and Physiology (Elective, 1 credit, 1.2 weighted grade, full year course) Grades 11-12**

#### **Prerequisite: Biology**

This class explores the anatomy and physiology of the human body. Throughout this class, we will look at how chemicals control the body through various mechanisms as well as the large-scale aspect of organ systems. A lot of new vocabulary will be introduced in order to explain the intricate details of the body. In addition to how the body is structured, we will also look at how systems function and what happens when they are compromised. This is a great course for anyone looking to enter the medical field after high school or for the curious scientist within.

### **Biology (Required, 1 credit, full year course) Grade 10**

Biology is a continuation of the concepts learned in 7th Grade Life Science. Biology examines life at all levels - from microscopic to ecosystems. We will spend time looking at important cellular processes that keep all organisms alive and connected to each other. By understanding these processes and the multiple forms of life on Earth, we can see how the impact of modern technology in this field is shaping our world and our future. This course is designed to be informational about how life exists and persists while also informing the average citizen about how the concepts learned in Biology are present in their everyday lives.

### **Chemistry (Elective, 1 credit, full year course) Grades 10-12**

Chemistry is the study of the composition of matter and how it changes. The purpose of this course is to make you aware of the complexity, order, and behavior of matter at the atomic level. Topics we will study include matter, atomic theory, periodicity, chemical formulas, reactions, stoichiometry, energy, bonding, gases, acids and bases, and organic chemistry. Students taking chemistry should have a working knowledge of algebra.

### **College Chemistry (Elective, 1 credit, 1.2 weighted grade, full year course) Grades 11-12**

**Prerequisite: Must have teacher approval to register for College Chemistry**

**Must have a cumulative GPA of 3.0**

**(You do NOT need to take Chemistry in order to take College Chemistry)**

**College Class info for College Chemistry II – SMSU Chemistry 231 General Chemistry I**

**SMSU Chemistry 231 Lab, General Chemistry I Lab**

This course allows the student to receive college credit without leaving Blooming Prairie High School. The course is set up with Southwest Minnesota State University in Marshall. Students who qualify will gain four semester college credits which can be transferred to another university later if students choose to attend a different school. The course will begin with general inorganic chemistry in the same way that Chemistry does, but this course will move at a faster pace so that more topics can be taught and knowledge in each topic can be broadened. Topics of study will include atomic theory, stoichiometry, chemical reactions, thermochemistry, chemical bonding and molecular structure, atomic structure, periodicity, and the gas phase.

### **Contemporary Science (Elective, 1 credit, full year course) Grades 11-12**

This is a multi-disciplinary science course that utilizes principles from Chemistry, Physics, Earth Science, and Biology. Topics of study will be determined by the teacher and may not always focus on the same subject matter.

## **SCIENCE DEPARTMENT**

### **Physical Science (Required, 1 chemistry credit, full year course) Grade 9**

Physical Science is a full year introductory course that teaches the basics of Chemistry and Physics. Math skills will be used as we apply our knowledge of topics such as stoichiometry, force, and simple machines. Other topics we will study include atomic structure, periodic table, solutions, chemical reactions, motion, electricity, and thermodynamics among other things. While this course is like many others that include lecture and homework, there will also be labs, projects, and other investigations used to give students hands-on learning, practical applications, and to teach the material.

### **Physics (Elective, 1 credit, 1.2 weighted grade, full year course) Grades 10-12**

**Prerequisite: Must have a C or higher in all four quarters of Algebra I and Geometry**

**Must have Principal and Teacher approval to register for Physics if you are in 10<sup>th</sup> grade.**

Physics is the study of matter and the many forms of energy. The metric system and its many units are studied in terms of how mathematics is used to study physical applications of energy. The course includes studying the basic principles of mechanics, heat, sound, light, and electricity. The course consists of about one hour per week doing lab experiments. This course is recommended for students interested in engineering, dentistry, aviation, medicine, veterinary, agriculture, and many others.

## **SOCIAL DEPARTMENT**

### **Geographic Perspectives (Required, 1 credit, full year course) Grade 11**

This course uses geospatial skills to examine places & regions, human systems and human-environment interaction. We will examine diverse perspectives through various culture traits. We will reflect upon how these perspectives make up our global community. Activities will include GIS, reading, lecture, presentations, group work, partner work, quizzes, tests, reading data, literature, writing, and current events.

### **Global Studies Grade 8**

Global Studies explores the regions of the world using geographic information from print and electronic sources. A regional overview of the world will include units on: North America, Europe & Russia, Southwest Asia & North Africa, East & Southeast Asia, South & Central Asia, Sub-Saharan Africa, and Australia/Oceania. We will focus on cultural characteristics, technology, economic development and trade, population and migration, and human-environment interaction. 8<sup>th</sup> graders will use their civic economic reasoning, geospatial, and historical inquiry skills in this course

### **Government and Economics (Required, 1 credit, full-year course) Grade 12**

While the primary drives of the course are Civics and Economics, Senior Social will incorporate skills and knowledge from earlier courses, especially psychology, sociology, and anthropology. Civics will be taught on several scales, from international relations and comparative politics to local elections and active citizenship. Economics topics will similarly range from economic decision-making and markets in microeconomics to national and global economies in macroeconomics. Students will be expected to show mastery of social studies skills in creative and critical thought by the end of the course.

### **United States History (Required, 1 credit, full year course) Grade 9**

Understanding our country's past is necessary in order to be a part of its future. This year-long course will cover many events and themes throughout American history from the pre-Columbian period through the present day. Students will learn skills in critical historical thinking, research, argument, writing, presentation, and educational technology.

### **United States Studies (1800 to present) Grade 7**

Grade seven features history as the lead discipline with a strong secondary emphasis on citizenship and government. The interdisciplinary "Studies" approach is further enhanced with important economics and geography content that round out the study of United States history. Students learn about people, issues and events of significance to this nation's history from 1800 to the current era of globalization. They examine the Declaration of Independence, the Constitution and the Bill of Rights, and Supreme Court decisions for their lasting impact on the American people, economy and governance structure. Students study civics and economic principles in depth, drawing connections between these disciplines and history to explain the impact of various policies on how people lived, worked and functioned in society. They create and use detailed maps of places in the United States and conduct historical inquiry on a topic in the nation's history.

### **World History (Required, 1 credit, full year course) Grade 10**

This course will cover the development of a variety of nations, regions, and cultures. Emphasis will be placed on the significant people and events that have shaped the world. We will also follow current events to better understand how past decisions and events have influenced our present world.

## **WORLD LANGUAGES**

### **Spanish I (Elective, 1 credit, full year course) Grades 9-12**

Spanish I introduces the student to all four language skills: listening (understanding), speaking, reading, and writing. A basic vocabulary is established and beginning study of Spanish and Hispanic culture is started.

### **Spanish II (Elective, 1 credit, full year course) Grades 10-12**

#### **Prerequisite: Spanish I**

Open to students in grades ten to twelve who have taken Spanish I. Spanish II is a continuation of Spanish I with more advanced grammar, reading, and writing assignments. The second semester especially stresses oral communication.

### **College Spanish III (Elective, 1 credit, full year course) Grades 11-12 (This will not be a college class in 2023 and after)**

#### **Prerequisite: Spanish II**

The purpose of the course is to continue, at an advanced level, the development of skills in speaking, listening, reading, and writing, completing the study of the fundamentals of grammar and putting skills to practice through the use of Spanish in the classroom. This course is conducted mostly in Spanish.

### **College Spanish IV (Elective, 1 credit, 1.2 weighted grade, full year course) Grade 12 This will not be a college class in 2023 and after)**

#### **Prerequisite: Spanish III**

The purpose of the course is to continue, at an advanced level, the development of skills in speaking, listening, reading, and writing, completing the study of the fundamentals of grammar and putting skills to practice through the use of Spanish in the classroom. This course is conducted almost entirely in Spanish.

## **College in the School Courses – College Now**

**College in the School (for college credit)** are being offered by Blooming Prairie High School through Southwest State University, College Now Program. These courses are taught at BPHS during the school day. Senior students have the opportunity to earn college credit at no cost to them while attending BPHS. These credits will be on a college transcript and will be accepted by over 90% of the colleges and universities in the nation. Courses that are offered through the College in the Schools Program are designated as “College” courses. Students need to have administrative approval to take these courses.

1. The drop deadline is roughly September 20<sup>th</sup> for Fall Semester and February 1<sup>st</sup> for Spring Semester
2. To receive college credit, a Senior student must have a cumulative GPA over 3.0 OR be ranked in the top 1/2 of their class. Juniors must have a cumulative GPA over 3.0 OR be ranked in the top 1/3 of their class. These qualifications must be met before registering for the college course.
3. Sophomores – need to be in the top 10% of their graduating class and have scored in the 90<sup>th</sup> percentile on a nationally standardized test.

*\*Note: Test scores from a nationally standardized test can be used to replace class rank if needed. Students will still be required to meet the 3.0 GPA to go along with their test scores. Seniors need to score in the 50<sup>th</sup> percentile and juniors need to score in the 70<sup>th</sup> percentile.*

Blooming Prairie High School partners with Southwest Minnesota State University, Marshall to offer the following college credit courses to our high school students. Students who successfully complete these courses generate both high school and college credit from the partnering postsecondary institution. There is no cost to the student to participate in these courses, but there are entrance requirements. These courses provide high school students advanced skills today and greater flexibility when they enter the university setting full-time. That may include pursuing second majors and internships or studying abroad.

SMSU admissions guidelines are as follows and can be found on the SMSU website.

### **Student Eligibility Requirements**

**Seniors - need to have a 3.0 GPA or above and be in the top half of their graduating class\***

**Juniors - need to have a 3.0 GPA or above and be in the top third of their graduating class\***

**Sophomores - need to be in the top 10% of their graduating class and have scored in the 90<sup>th</sup> percentile on a nationally standardized test**

*\*Note: Test scores from a nationally standardized test can be used to replace class rank if needed. Students will still be required to meet the 3.0 GPA to go along with their test scores. Seniors need to score in the 50<sup>th</sup> percentile and juniors need to score in the 70<sup>th</sup> percentile.*

Southwest State College Courses  
Offered at BPHS

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Fall:

Spanish III  
Spanish 201 Intermediate Spanish I, 3 credits

Spanish IV  
Spanish 202 Intermediate Spanish II, 3 credits

Calculus  
Math 150 Calculus I, 5 credits

College Algebra  
Math 110 College Algebra, 3 credits

College Chemistry  
Chemistry 231 General Chemistry I, 3 credits  
Chemistry 231 Lab, General Chemistry I Lab, 1 credit

College English  
English 151 Academic Writing, 4 credits

Spring:

College English  
Literature 100 Human Diversity, 3 credits (Starting 2020-2021 school year)  
College Algebra & Stats  
Math 200 - Introduction to Statistics - 3 credits

\*\* If a BPHS student takes all of these college credits, the total number of credits would be 28 college credits. Please check with the college you plan on transferring the credits to, to see if the credits will be accepted. In some instances, not all credits have been accepted.

**Blooming Prairie Independent Public School District #756 does not discriminate on the basis of race, color, national origin, sex or disability.**