

# GEORGETOWN RIDGE FARM HIGH SCHOOL



## Sophomore Course Catalog

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2022-2023

### CREDIT BREAKDOWN

All courses receive .5 credits per semester. Each student needs 24 credits to graduate High School.

### GRADUATION REQUIREMENTS AT GRHS

4 years of English, 3 years of Math, 2 years of Science (1 must be a lab), 2 years of Social Studies (American Hist, & Am. Gov/Con Ec), 4 years of PE, & 1 semester of Health.

### Classification of Students

<u>GRADE</u>	<u>CLASS</u>	<u>CREDIT</u>
9 <sup>TH</sup>	Freshman	0-6
10 <sup>TH</sup>	Sophomore	6-12
11 <sup>TH</sup>	Junior	12-18
12 <sup>TH</sup>	Senior	18-24

# SOPHOMORE COURSE DESCRIPTIONS

## AGRICULTURE

\*STUDENTS MUST BE IN AN AG CLASS TO BE IN FFA

<p><b>INTRODUCTION TO AGRICULTURE:</b> THE SUBJECT AREAS THAT WILL BE TAUGHT INCLUDE ANIMAL SCIENCE, SOIL SCIENCE, CONSERVATION, BASIC MECHANICS SKILLS, AND RECORD KEEPING PRACTICES. STUDENTS TAKING THIS COURSE SHOULD BE INTERESTED IN PURSUING A CAREER IN THE FIELD OF AGRICULTURE. STUDENTS MUST BE IN AN AG CLASS TO BE IN FFA</p> <p>*STUDENTS ARE STRONGLY ENCOURAGED TO JOIN FFA.</p> <p>LENGTH: 2 SEMESTERS                      CREDITS: .5 PER SEMESTER GRADES: 9-12                                  PREREQUISITE: NONE</p>	<p><b>BIOLOGICAL SCIENCE APPLICATIONS IN AGRICULTURE – (BSAA):</b> This course is designed for students to expand upon their basic understanding of biology and have real life experience in the areas of Soil Science, Plant Science, and Animals Science. Each area will have multiple “hands- on” lab exercises in the classroom and outside of the classroom on the school land lab.</p> <p>*Students are strongly encouraged to be in FFA. Each of the three areas discussed will give students the necessary background to compete in FFA CDE's (Career Development Events).</p> <p>Length: 2 semesters                      Credits: .5 per semester Grades: 10-12                              Prerequisite: Biology I</p>
<p><b>AGRICULTURE MECHANICS:</b> The subject areas that will be taught include safety, principles and uses of electricity, welding, small engines, ag power units, and farm machinery. Projects in this class may be exhibited for competition in FFA CDE's.</p> <p>*Students are strongly encouraged to join FFA.</p> <p>Length: 2 semesters                      Credits: .5 per semester Grades: 10-12                              Prerequisite: None</p>	<p><b>INTRODUCTION TO HORTICULTURE INDUSTRY:</b> This is an orientation level course designed to give students knowledge and experience in the various occupations related to Horticulture industry. Students will learn about topics involving plant propagation, greenhouse management, floral designs, landscaping, lawn development and care, orchard care, and vegetable gardening. They will be introduced to selecting and using various soil media, hand power tools, identifying plants, constructing and maintaining structures, and operating, repairing, and maintaining equipment used in the horticulture field. Students are strongly encouraged to join FFA. Students in FFA, in this class, may compete at the Horticulture CDE.</p> <p>Length: 2 semesters                      Credits: .5 per semester Grades: 10-12                              Prerequisite: None</p>

## ART

<p><b>ART &amp; DESIGN:</b> This course is a beginning art class which primarily deals with the basic fundamentals of art. The class consists of simple drawing and design projects and the students generally work with pencil, charcoal, colored pencils, markers and pen and ink. A considerable amount of emphasis is placed on learning to draw what you see and on the elements and principles of design. First semester focuses on the elements of art while the second semester focuses more on the principles.</p> <p>Length: 2 semesters                      Credit: .5 per semester Grades: 9-12 Prerequisite: None</p>	<p><b>ART &amp; DESIGN 2:</b> This course is a continuation of Art and design 1. It allows students another art credit. A considerable amount of emphasis is placed on elements of art and principles of art.</p> <p>Length: 2 semesters                      Credit: .5 per semester Grades: 9-12 Prerequisite: None</p>
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## DRIVERS EDUCATION

<p><b>DRIVERS EDUCATION:</b> This course meets the state required hours of classroom and six hours of “behind the wheel” training. Upon successful completion of the course, the student will be certified to receive their driver's license. This will allow the student to receive a driver's license before the age of 18.</p> <p>Length: 18 weeks    Credits: .5 per semester    Grades: 10-12</p> <p><b>Prerequisite:</b> Successful completion of 8 semester hours in the previous two semesters <b>MUST</b> include passing Math, English, &amp; PE. Students who are 14 ½ of age <b>MUST</b> have passed 1 Semester of English, 1 Semester of PE, and 1 Semester of Math.</p>
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## **BUSINESS**

<p><b><u>KEYBOARDING AND FORMATTING:</u></b></p> <p>Keyboarding and Formatting is a course designed to develop basic skills in touch keyboarding techniques for entering alphabetic, numeric, and symbol information found on computers and terminals. Students will learn to edit and format text and paragraphs, change fonts, work with headers and footers, cut and paste text, create and use tab keys, create labels, and work with multiple windows. Students will format documents such as letters, envelopes, reports, and tables for personal, educational, and business uses. During the second half of the course, major emphasis is placed on formatting documents, improving proofreading skills, and increasing speed and accuracy.</p> <p>Length: 1 semester                      Credits: 0.5 per semester Grades: 9-12</p>	<p><b><u>COMPUTER CONCEPTS AND SOFTWARE APPLICATIONS:</u></b></p> <p>Computer Concepts and Software Applications is an orientation-level course designed to develop awareness and understanding of application software and equipment used by employees to perform tasks in business, marketing and management. Students will apply problem-solving skills to hands-on, real-life situations using a variety of software applications, such as word processing, spreadsheets, robotics and visual programming. The development of employability skills, as well as transition skills, will be included in the course as well as an understanding of the ethical considerations that arise in using information processing equipment and gaining access to available databases.</p> <p>Length: 1 semester                      Credits: 0.5 per semester Grades: 9-12</p> <p>Prerequisites: Keyboarding &amp; Formatting STRONGLY recommended</p>
<p><b><u>BUSINESS AND TECHNOLOGY CONCEPTS:</u></b></p> <p>This orientation-level course will provide an overview of all aspects of business marketing and management, including the concepts, functions, and skills required for meeting the challenges of operating a business in a global economy. Topics covered will include the various forms of business ownership, including entrepreneurship, as well as the basic functional areas of business (finance, management, marketing, administration and production). Students will be introduced to a wide range of careers in fields such as accounting, financial services, information technology, marketing, and management. Emphasis will be placed on using the computer while studying applications in these careers along with communication skills (thinking, listening, composing, revising, editing, and speaking), math and problem solving. Business ethics as well as other workplace skills will be taught and integrated within this course. This course is not intended to meet the consumer education requirement, but rather to provide preparation for the skill level courses that make up the Business, Marketing and Management occupations programs.</p> <p>Length: 2 semesters                      Credits: 0.5 per semester Grades: 10-12</p> <p>Prerequisites: Keyboarding &amp; Formatting/Computer Concepts &amp; Software Apps</p>	<p><b><u>ACCOUNTING 1:</u></b></p> <p>Accounting I is a course assists students pursuing a career in business, marketing, and management. This course includes planned learning experiences that develop initial and basic skills used in systematically computing, classifying, recording, verifying and maintaining numerical data involved in financial and product control records including the paying and receiving of money. Instruction includes information on keeping financial records, summarizing them for convenient interpretation, and analyzing them to provide assistance to management for decision making. Accounting computer applications should be integrated throughout the course where applicable. In addition to stressing basic fundamentals and terminology of accounting, instruction should provide initial understanding of the preparation of budgets and financial reports, operation of related business machines and equipment, and career opportunities in the accounting field. Processing employee benefits may also be included.</p> <p>Length: 2 semesters                      Credits: 0.5 per semester Grades: 10-12</p> <p>Prerequisites: None</p>

## CONSTRUCTION TRADES

<p><b><u>INTRODUCTION TO CONSTRUCTION TRADES:</u></b>  This course includes instruction in residential electrical wiring, manufacturing, and communications. Each student is responsible to build a self-designed, personal, wood project which the student pays for and takes home. This project must be sufficient in scope to keep a student busy for one semester.  Length: 2 semesters                      Credits: .5 per semester  Grades: 9-10</p> <p>Prerequisite: Entry level class for students with no previous experience in construction trades field.</p>	<p><b><u>CONSTRUCTION TRADES:</u></b>  This course requires a student to construct an advanced project in wood, which is self-designed, paid for by the student and approved by the instructor. The project must be of sufficient scope to occupy a student for two semesters.  Length: 2 semesters                      Credits: .5 per semester  Grades: 10-12  Prerequisites: C or better in <i>Introduction to Construction Trades</i> both semesters.</p>
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## PHYSICAL EDUCATION & HEALTH

<p><b><u>GENERAL PHYSICAL EDUCATION:</u></b>  THIS COURSE IS OFFERED TO 9TH-12TH GRADE STUDENTS. STUDENTS WILL LEARN A VARIETY OF RULES, SKILLS, FUNDAMENTALS AND STRATEGIES IN MULTIPLE TEAM ACTIVITIES. SAFETY AND SPORTSMANSHIP WILL BE EMPHASIZED. THERE WILL BE FITNESS AND RUNNING COMPONENTS TO THE COURSE. ACTIVITIES INCLUDE, BUT ARE NOT LIMITED TO: SOFTBALL/KICKBALL, VOLLEYBALL VARIATIONS, FLAG FOOTBALL, SOCCER, PICKLEBALL, FLOOR HOCKEY, TABLE TENNIS, BADMINTON, ARCHERY, SEPAK TAKRAW, ROLLER SKATING, AND OTHER TEAM SPORTS. STATE MANDATED FITNESSGRAM WILL BE ADMINISTERED IN PRE- AND POST- TEST FORMS AT ALL GRADE LEVELS.</p>	<p><b><u>ATHLETIC PE:</u></b>  THIS COURSE IS OFFERED TO 9TH-12TH GRADE STUDENTS. THIS COURSE IS DESIGNED FOR STUDENTS TO LEARN PROPER LIFTING TECHNIQUES, SPOTTING METHODS, WEIGHT ROOM SAFETY AND WORKOUT ROUTINES. ACTIVITIES WILL INCLUDE, BUT ARE NOT LIMITED TO, A MULTITUDE OF LIFTS UTILIZING FREE WEIGHTS AND MACHINE WEIGHTS, AS WELL AS AN EMPHASIS ON CONDITIONING AND FITNESS. STATE MANDATED FITNESSGRAM WILL BE ADMINISTERED IN PRE AND POST- TEST FORM.</p>	<p><b><u>HEALTH EDUCATION:</u></b>  This course is designed to place increased emphasis on health promotion and disease prevention. The textbook and materials presented emphasize student self-awareness for better health and the development of personal skills for health improvement.  Length: 1 semester  Credits: .5 per semester  Grade: 10  Prerequisite: None</p>
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## ENGLISH

<p><b><u>ENGLISH I:</u></b>  English I is a course designed as an introduction to the basic concepts associated with literature. Students read a variety of selections which focus on the elements of fiction. This course will acquaint the student with the skills necessary to become proficient in reading, writing, speaking, and listening. It also concentrates on story vocabulary as well as the basic parts of grammar. Students will be actively engaged in discussions which lead to higher level analysis and critical thinking.  Length: 2 semesters                      Credits: .5 per semester  Grades: 9-10  Prerequisite: None</p>	<p><b><u>ENGLISH II:</u></b>  This course will cover many different forms of literature from all around the world. In reading these different texts, students will learn important literary terms and overarching themes throughout literature. Students will be reading various types of literature across multiple genres. These genres range from poetry to novels. Students will work as a class to develop the various skills they learn in different ways.  Length: 2 semesters                      Credits: .5 per semester  Grades: 10  Prerequisite: Successful completion of English I.</p>
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## FOREIGN LANGUAGE

**SPANISH I:**

This course is a college preparatory course recommended for students wishing to attend a 4-year university. This course uses the text Spanish for Masters 1 and accompanying supplement materials. Students are introduced to new vocabulary in each lesson as well as grammar. Students are expected to express themselves in oral communication, written communication, reading comprehension and listening comprehension skills. In addition, students will study the culture and traditions of Spanish-speaking families and countries.

Length: 2 semesters      Credits: .5 per semester  
Grades: 9-12

**Prerequisite:** Should have a B or better in previous English course.

**SPANISH II:**

This course is a college preparatory course and begins with the completion of the Spanish for Mastery 1 text. Students continue with the grammar concepts and dialogues using vocabulary learned in Spanish I. Oral, written, listening, and reading skills are all practiced more comprehensively and within a variety of contexts. Projects are interspersed throughout the year. There is continued study of culture and traditions of Spanish-speaking families and countries.

Length: 2 semesters      Credits: .5 per semester

Grades: 10-12

Prerequisite: C or better in Spanish I and a B or better in English.

## Family & Consumer Science

## FOOD AND NUTRITION 1:

This course is an orientation level course that includes basic classroom and laboratory experiences needed to develop knowledge and understanding of basic food principles and applies nutrition for people of all ages. This courses content centers around the following duty areas:

promoting food service and preparation management using the decision-making process; meeting basic needs by applying nutrition concepts; meeting health and safety needs in planning, preparing, and serving food; promoting hospitality in food practices; and analyzing individual and family nutritional needs in relation to change. Information related to careers in foods and nutrition is incorporated throughout the course.

Length: 1 semester      Credit: .5 per semester  
Grades: 10-12

Prerequisite: None

**(OFFERED EVERY OTHER YEAR)**

## **SEWING:**

This course is designed to provide basic knowledge and understanding of the design, development, and production of textile products. Through hands-on and project based learning experiences students will discover fiber characteristics, fabric construction methods, elements of science and design in textiles and apparel, and basic construction skills used in interior furnishings and apparel industries. This course emphasizes awareness and investigation of careers and industry trends in textiles.

Length: 1 semester      Credit: .5 per semester  
Grades: 10-12      Prerequisite: None

## FOODS AND NUTRITION II

This course is a continuation of Foods and Nutrition 1. Students will build on previous knowledge through lab experiences in order to accomplish more advanced cooking techniques and a deeper study of nutrition.

length: one semester credit;.5 per semester  
Grades: 10-12

Prerequisite: Foods and Nutrition 1

**(OFFERED EVERY OTHER YEAR)**

### Child Care and Development:

This course emphasizes learning experiences which help students gain knowledge and understanding of the intellectual, physical, social and emotional development of children from conception through adolescence. The course content centers around the following duty areas: managing and organizing child development by applying decision-making and goal-setting skills; promotion child development by applying physical, social, intellectual and emotional principles; practicing health and safety standards for children; providing experienced which encourage children to maximize resources; encouraging human relations skills in children; and evaluating family and career changes in relation to impact on children. Information related to careers in child care is incorporated throughout the course.

Length: 1 semester      Credit: .5 per semester  
Grades: 10-12      Prerequisite: None

## MATH

<b><u>ALGEBRA I:</u></b> This is designed to be an entry level Algebra course to freshman students. Length: 2 semesters Credits: .5 per semester Grades: 9-10 Prerequisite: None	<b><u>GEOMETRY I:</u></b> This is designed to be the 2nd year of math that teaches geometric skills. Length: 2 semesters Credits: .5 per semester Grades: 9-12 Prerequisite: For students who have passed Algebra I	<b><u>ALGEBRA II:</u></b> This course is designed to provide the 3rd year of math for students. It expands on students previous Algebra skills. Length: 2 semesters Credits: .5 per semester Grades: 10-12 Prerequisite: Third math courses for students who have passed Algebra I and Geometry.
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## MUSIC

<b><u>VOCAL MUSIC (Chorus):</u></b> Chorus meets the requirements toward high school graduation and serves as a credit in foreign language toward acceptance into many 4 year colleges. This course is offered at the high school for students to continue their musical training. Students will study music performance, music theory and music history. They will participate in at least 4 concerts and County Festival. Grading in vocal music is based on participation in class, both written and oral evaluations and attendance at performances. Because chorus is an elective course, a participation fee is applied. Length: 2 semesters                      Credit: .5 per semester Grades: 9-12 Prerequisite: Approval of instructor	<b><u>BAND:</u></b> This course is for experienced players of brass, wind and percussion instruments, requires a week of instruction in July/August and fees. Fundraisers are available to help students make payments. Students will study and perform all types of music including Uniformed Marching Band, Concert Band, and Pep-Band. The grade will be based on participation in the many performances at athletic events, competitions and concerts. Students will take a Final Exam. Length: 2 semesters                      Credit: .5 per semester Grades: 9-12 Prerequisite: Receive a passing grade in MMJH Music or by obtaining instructor permission
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## SCIENCE

<b><u>BIOLOGY I:</u></b> This is an introductory class that deals with structures, functions, and processes of living things. It is a laboratory-orientated class involving the methods and technology of science Length: 2 semesters Credits: .5 per semester Grades: 9-12 Prerequisite: General Science	<b><u>BIOLOGY II:</u></b> The course expands coverage if environmental study and focuses on taxonomy of plants and, animals, etc. It includes dissections and anatomical comparisons and mammalian physiology as well as microbiology. Length: 2 semesters Credits: .5 per semester Grades: 10-12 Prerequisite: C or better in Biology I or permission of the instructor.	
<b><u>CHEMISTRY I:</u></b> This course is a basic course in chemistry, but college prep is the purpose. It is highly recommended for anyone considering science or science related majors. Included are mole concepts, writing and balancing equations, gas law, pH and titration. All measurements are metric quantities. Length: 2 semesters Credits: .5 per semester Grades: 9-12 Prerequisite: B or better in Algebra I	<b><u>CHEMISTRY II:</u></b> This is an advanced chemistry class. Length: 2 semesters Credit: .5 per semester Grades: 10-12 Prerequisite: C or better in Chemistry I	<b><u>Earth &amp; Space Science:</u></b> introduce students to the study of the earth from a local and global perspective. Length: 1 semester Credit: .5 Grades: 9-12

### **WORLD HISTORY:**

This course covers the ancient history, the Middle Ages, and some modern history. Current world problems will also be discussed. It is designed for the average student who wants to learn more about Asia, Europe, Africa, and other cultures. This course also takes a look at current events around the world.

Length: 2 semesters Credits: .5 per semester

Grades: 9-10

Prerequisite: None

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