

Buford High School

Course Guide

2024-2025



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**Dual Enrollment information with USC Lancaster and York Technical College can be found on the BHS website under the Dual Enrollment tab at the top of the page or you can click the link below.

<https://sites.google.com/lcsd.k12.sc.us/bhsguidance-about-us/home>



****Courses must be taken in order****

Environmental & Natural Resources Pathway

Agricultural Science & Technology

General introduction to agriculture. Study about the FFA, basic plant and livestock enterprises and practices, soils and soil conservation principles, shop safety and hand and small power tools

Agricultural Mechanics & Technology

You'll learn about agricultural occupations as you learn more about FFA and how it supports industries. You'll get an overview of topics covered in detail in Horticulture and Forestry so you can decide if you want to take any of these courses. You'll also study and use the new technology in agricultural field and do experiments with technology

Equipment Operation and Maintenance

Equipment Operation and Maintenance teaches students how to operate and maintain equipment commonly used in the agricultural industry. It includes equipment used in four of the Agriculture, Food and Natural Resources pathways: Horticulture, Plant and Animal Systems, Environmental and Natural Resources Management, and Agricultural Mechanics and Technology. Typical instructional activities include hands-on experiences with agricultural power units; participating in personal and community leadership development activities; planning and implementing a relevant work-based learning transition experience; and participating in Future Farmers of America (FFA) activities

Agribusiness and Marketing

Agribusiness and Marketing is designed for the student who plans to seek employment on, manage, or own a farm or who seeks employment in an agribusiness field. Students learn to apply the economic and business principles involved in the organization, operation, and management of a farm, ranch, or agribusiness. Typical hands-on learning experiences include applying modern economic and business principles involved in the organization, operation, and management of agricultural businesses, including the production and marketing of agricultural products and services; applying computer application models; participating in personal and community leadership development activities; planning and implementing a relevant work-based learning transition experience; and participating in Future Farmers of America (FFA) activities, and participates in a supervised agricultural experience. Typical hands-on learning experiences include performing research on the basic principles of plant, soil, and animal science; studying and modeling the significance of humankind's interrelationship with soil, water, and air; and participating in Future Farmers of America (FFA) activities.

Horticulture Pathway

Agricultural Science & Technology

General introduction to agriculture. Study about the FFA, basic plant and livestock enterprises and practices, soils and soil conservation principles, shop safety and hand and small power tools

Introduction to Horticulture

You'll study house plants, fruit crops, landscaping and greenhouses. You'll learn plant identification fertilization, soil medium and planting and propagating plants for home use and resale. You'll study setting up and operating a greenhouse and caring for preparing and selling plants.

Turf & Lawn Management

You'll be introduced to the technical knowledge and skill for entry-level positions in the turfgrass industry. You'll study principles and practices involved in establishing, managing and maintaining grassed areas for ornamental and/or recreational purposes. Typical hands-on activities include analyzing problems and developing site plans for golf course, commercial, church and home lawns, establishing, fertilizing, irrigating and controlling pests in grassed areas, operating and maintaining machinery and equipment, taking part in personal community leadership development activities, planning and implementing a school-to-work transition experience and taking part in FFA activities

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Building Construction 1

You'll learn basic carpentry skills including using hand and power tools and proper safety procedures. You'll progress to projects like toolboxes, work stools and end tables.

Building Construction 2

You'll learn basic residential carpentry, including how to frame a house and install utilities, as you learn basic steps to complete the rough-in and finish house systems. You'll also get a brief overview of HVAC electrical and plumbing.

Building Construction 3

You'll be provided with an in-depth knowledge of residential construction. You'll start with a review of safety procedures and cover all home utility systems including electrical and plumbing.

Building Construction 4

You'll get an overview of all construction trades and cover job skills and resume building. You'll begin advanced projects and be prepared to co-op your senior year in a desired construction field

Business Management, Administration and



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Business Information Management

Digital Desktop Publishing

You'll learn to use the computer and graphic software. You'll focus on producing business communications and reports, typing special business forms and tables, developing multiple reproduction techniques and refining efficient work habits. You'll learn to produce desktop-published copy for reproduction.

Image Editing

You'll gain the knowledge and skills to use digital imaging software to edit and design images and graphics. You'll learn to use technologies related to digital imaging such as basic computer operations, file sharing across networks, digital scanning, digital photography, preparing school publications, including yearbooks and/or newspapers

Fundamentals of Business, Marketing, & Finance

You'll gain a basic understanding of business operations and management concepts so you can pursue successful careers in business, marketing and finance. You'll learn more about corporate enterprise and its role in a global society. You'll work to understand personal finance concepts including developing a budget, managing a checking account, types of savings plans, investments, how to establish and maintain good credit and consumer rights information. You'll get a general business background, as well as, personal finance information needed for you to maintain financial security.

General Management

Entrepreneurship

You'll get a general overview of the American enterprise system with a close look at small business ownership. An important part of your studies will be developing business and managerial skills for planning, organizing, staffing, directing and controlling a small business. Business or Trade & industry students are encouraged to take this course.

Accounting

You'll develop a knowledge of the complete double entry accounting process and a general business vocabulary. You'll learn to set up books and keep records for a business and learn procedures and concepts for posting, processing and analyzing financial data.

Workplace Communications

In this course, you'll learn to communicate appropriately and effectively in a clear, courteous, concise, complete and correct manner on both personal and professional levels. Competency will be developed in oral, written, interpersonal, technological and employment communication. Listening skills will be incorporated throughout the course. This course prepares students for the CEW: Professional Communications Certification Exam and serves as preparation for career readiness.



Introduction to Teaching 1

You'll be prepared for employment in education. Topics you'll study include the teaching profession, communication skills, human growth and development, planning and instructional strategies and school-societal relationships.

Introduction to Teaching 2

You'll learn about teaching as a profession through authentic learning experiences. You'll plan engaging lessons, enhance communication and presentation skills, explore school-societal relationships and exhibit professionalism with technology integrated during the course.

Fundamentals of Web Page Design & Development

You'll be provided with the knowledge and skills needed to design webpages. You'll also develop skills in designing, implementing and maintaining a website using authoring tools. Your web pages must meet district guidelines to be published

Teacher Cadet

You'll work one period daily with a supervising teacher or library media specialist. You'll work in a subject area which you have exceptional strength in and engage in beginning curriculum development and research experiences as you help teachers and students and perform clerical and computer tasks.



English 1, 2, 3, 4 (College Preparatory)

You'll face challenging experiences in reading, writing and speaking. As you study literature, you'll develop analytical and creative writing skills. You'll also learn vocabulary and test-taking techniques to build standardized test-taking skills. You'll write frequently with instruction in clarity, organization, purpose and content and you'll study grammar to improve your writing skills. You may be required to do a research paper. You'll study literature by theme or by time period; with emphasis on reading and discussing novels, stories, plays, poetry and non-fiction. You'll also have a chance to study multicultural literature.

English 2, 3, 4 (Pre-AP/Honors)

If you're academically talented, Pre App English will prepare you for AP English in the 12th grade. The curriculum is advanced and may cover material one year earlier than college prep curriculum does. You'll study grammar to improve your writing and read and analyze major literary works to build higher -level thinking skills. The emphasis will be extensive reading and analysis of literature. Your writings will include analytical compositions as well as descriptive, expository, narrative and persuasive essays. Summer reading may be required. Your English 4 units, depending on your school, may be Advanced Composition or English AP.

Advanced Composition

You'll improve your writing skills as you study the writing process and the importance of transitions, parallelism diction, clarity and coherence. You'll concentrate on more advanced composition skills and build sentence skills to improve the effectiveness of your writing.

AP English Language & Composition

You'll develop skills to help you write about subjects across the curriculum. You'll focus on audience and purpose as you craft expository, analytical and argumentative compositions. You'll learn to use primary and secondary sources as you synthesize ideas in your writing. If you score a 3 or greater on the AP exam, you may earn college credits. You will be required to take the introductory course.

AP English Literature & Composition

You'll form and defend your own opinions orally and in writing as you study major works of world literature. You'll work on analytical skills that are tested on the AP exam. Extensive summer reading may be required. If you score 3 or greater on the AP exam, you may earn college credit. You will be required to take an Introductory AP course.



Visual Arts

Art 1

You'll develop your artistic techniques as you survey types of arts and crafts. Your studies will emphasize design elements and principles, as you do both two and three dimensional projects. You'll also be required to do weekly sketches. Projects in a variety of media will give you hands-on experience as you study the major periods of art history.

Art 2

An advanced study of art techniques and subjects awaits you in Art 2. You'll study prehistoric to modern art history as you do complex art projects. You'll also be required to do weekly sketches.

Art 3

You'll study in-depth areas and types of art that you work with your teacher to select for study. Then you'll research your topics in the library and plan experiments and projects. You'll do weekly plans and evaluations and display your work for a critique by your teacher and classmates.

Art 4

You'll work independently in theme areas such as landscapes, portraits and nature. You'll use what you learn in Art 1, 2, and 3 as you select your materials and complete studio production. You'll also use your text and other resources as guides for art themes and for building your portfolio. You'll study art history, aesthetics, culture, criticism and studio production.

Music

Band 1, 2, 3, 4

In Band 1, you'll work at an intermediate level and have opportunities to perform. In Band 2, 3 and 4, you'll work to master exercises, scales and literature in Advanced Band as you polish performance skills.

Band Honors

You'll be provided opportunities to improve musicianship through challenging and innovative curriculum by going beyond expectations of the standard band course. You'll challenge yourself to grow as a musician and get honors credit.



Fine Arts continued. . . .

Chorus 1, 2, 3, 4

If you're a talented singer or if you just like to make a joyful noise. Chorus is for you! You'll learn vocal technique, key signatures, note reading and interval discrimination. You'll also study and sing music from each historical musical period. Requirements include mandatory participation in after-school performances.

Chorus 3 & 4 Honors

You'll be provided an opportunity for advancement and refinement of musical potential as well as higher-level thinking skills. Emphasis will be placed on refining ensemble performance skills, recognition of musical styles and historical periods, chamber ensemble performance and creative development.

Music Appreciation

If you're excited about performing choral music on stage or learning to play an instrument in a band, then this course is for you. You'll study music theory and music history together. You'll sing, play small instruments, learn to read and notate music, possibly compose music, listen and analyze music genres, and discover how music relates to other cultures and your future. You'll explore music's history and how it's changed to fit today's society. Be prepared to move, dance and sing your way into a new world of music.

General



Driver's Education

You'll use videos, simulation, wheel experience in a dual-controlled car and textbooks to gain the knowledge, skills and attitude to be a competent safe driver. Enrollment is limited and attendance is very important to meet course requirements. 90 minutes of class is equivalent to two hours of instructional time.

Journalism 1 & 2

You'll explore the world of the media as you build journalism skills and work on your school's publications. You'll study news/feature, column writing, interviewing, lead writing, program design, press law and layouts.

Journalism 3 Online News & On-Air Production

Students will use previous knowledge and skills from J1 and J2 to engage in more technology and project based activities, including photography, videography, and podcasting. Students will begin to initiate research, collaborate and problem solve in peer groups to produce creative student content while holding a leadership role within a department.

Journalism 4 Online Newspaper & On-Air Production

Students will use previous knowledge and skills from J1, J2 and J3 to lead and produce more technology and project based activities, including photography, videography, and podcasting packages. Students will lead a communications department and initiate research, collaborate and problem solve to produce creative student content.



Health Science 1

You'll receive basic information and broad topics to help you choose your career path and prepare for future classes in health care.

Health Science 2

In this intermediate course, you'll build on what you learned in Health Science 1 as you dig deeper into the health science curriculum and skill set.

Medical Terminology

You'll learn medical terms including roots, prefixes and suffixes and focus on spelling, definition and pronunciation. You'll also cover the parts of the body, the body's structure, movement, circulation, respiratory system, eyes and ears. This self-paced course meets in a computer lab using computer-based technologies.

Health Science Clinical Study

You'll make connections from the classroom to the healthcare industry through work-based learning experiences and activities. You'll learn to perform nursing-related services for patients and residents in hospitals or long-term care facilities using what you've learned in previous required courses.

Sports Medicine 1

You'll study athletic injuries, rehabilitation techniques, basic first aid and history as they relate to the athletic training profession. You'll begin learning to treat athletic injuries and basic operation of therapeutic modalities for an injured athlete. Your work will include instruction, outside reading, article reviews and practical experience in managing athletic injuries.

Sports Medicine 2

You'll focus on how to recognize and care for common injuries and illnesses of a physically active population, learn about specific conditions and injuries often faced during athletic activities, examine the concepts of therapeutic modalities and exercise in the care of injuries, focus on gaining a deeper understanding of the body systems and common pathologies. Your study will also include administrative aspects of sports medicine programs. You'll learn to apply legal and ethical principles through real world scenarios in various sports medicine settings and explore sports medicine careers the athletic trainer encounters as he/she takes injured athletes through the pathway of recovery.

Sports Medicine 3

You'll focus on building your ability to apply concepts you learned in previous sports medicine courses to real-world situations and scenarios. You'll work to understand current research and evidence-based practices affecting sports medicine professionals and to develop policies, procedures and guidelines based on these practices. You'll also explore detailed treatment and rehabilitation procedures for common athletic injuries. You'll be expected to get real world experience by taking part in clinical situations-either through your school's athletic department or in an outside clinical setting.



Human Services

Family & Consumer Sciences 1

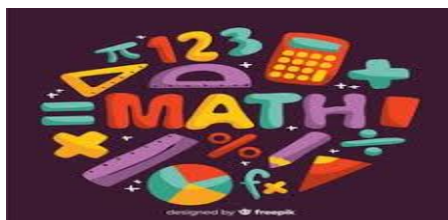
You'll learn to use the decision-making process in choosing a life-style, managing a home and selecting a career. You'll study family relationships and home management with emphasis on clothing, foods, grooming, manners and child development. You'll do a variety of activities and complete sewing projects.

Family & Consumer Sciences 2

Units covered in this course are career, community, and family connections; consumer services; education and early childhood facilities management and maintenance; family and community services, food production and services, food science, dietetics, and nutrition; hospitality, tourism, and recreation; interpersonal relationships; interiors and furnishings; and textiles. Students will explore career pathways in Family and Consumer Sciences. Integration of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.

Foods and Nutrition 1

Students study the principles of nutrition for individual and family health, fitness, and wellness. Students will gain knowledge and experiences in nutrition, food safety and sanitation, kitchen work centers, meal planning, preparation techniques, table service and etiquette, and nutrition-related careers. Critical thinking and practical problem-solving are emphasized in a co-curricular approach that incorporates principles of mathematics, science, writing, communications, and economics. The ServSafe® Food Handlers certification provides increased marketability for students seeking employment. Foods and Nutrition 1 is a prerequisite for Foods and Nutrition 2. Inclusion of the Family and Consumer Sciences student organization, Family Careers, and Community Leaders of America (FCCLA), greatly enhances this curriculum.



Fundamentals of Algebra

You'll learn to use math to solve real work-related problems which will help you understand math theories and practical ways they are used. You'll learn to solve basic equations, inequalities, graph linear equations, solve systems of equations and do arithmetic with polynomials.

Intermediate Algebra

You'll learn to use math to solve real work-related problems, which will help you understand math theories and practical ways they are used. You'll review topics studied in Algebra 1. You'll also factor polynomials and solve and graph linear and quadratic equations.

Algebra 1

You'll study the real number system and learn operations with algebraic expressions, factoring polynomials, solutions of equations, graphing and problem solving. The course will help prepare you for college math.

Algebra 2

You'll extend fundamental skills you learned in Algebra 1. You'll study real and complex number systems, quadratic and cubic equations, rational and irrational expressions, matrices and exponential functions and extended problem solving.

Algebra 2 Honors/Pre AP

You'll build on the fundamental skills you developed in Algebra 1 Pre AP. You'll study the real and complex number systems, quadratic and cubic equations, rational and irrational equations, matrices and exponential functions and extended problem solving. You may be expected to complete summer review work in preparation for your next math Pre AP class.

Geometry

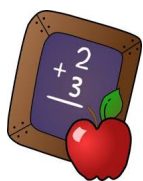
You'll develop skills in critical thinking, logical reasoning and problem solving. You'll study properties of basic geometric figures including polygons and circles, transformations, vectors, coordinate geometry, congruence and similarity. You'll also calculate surface area and volumes of three-dimensional objects. Topics will be studied with an emphasis on proofs.

Geometry Honors/Pre AP

You'll develop skills in critical thinking, logical reasoning and problem solving. During second semester, you'll review Algebra 2 concepts and be introduced to trigonometric functions and identities in preparation for PreCalculus Pre AP. You may be expected to complete summer review work in preparation for your next math Pre AP class.

Probability & Statistics

You'll explore the fundamentals of experimental and theoretical probability including how to collect data and how to analyze data. You'll study basic statistical concepts like frequency distributions, central tendency, variability measures and data interpretation.



Math continued

Discrete Mathematics – CP

If a student is on the 4-year University pathway, the prerequisite is completion of Algebra 2. If a student is NOT on the 4-year University pathway, the prerequisite is the completion of Geometry.

Discrete Mathematics stresses the connections between contemporary mathematics and their applications to our daily lives. Topics addressed in this course are applicable to real world situations and include management sciences, statistics, voting and social choice, fairness and game theory, size and growth, and money and resources.

PreCalculus

You'll study polynomial, rational exponential, logarithmic, trigonometric and polar functions. Graphing calculators are an integral part of instruction.

PreCalculus H/Pre AP

You'll study polynomial, rational exponential. Logarithmic, trigonometric and polar functions. Graphing calculators will be an integral part of instruction. You may be expected to complete summer review work to prepare for your next math Pre AP class and AP Calculus.

Calculus Pre AP

Your studies will include derivatives and integrals of polynomial, rational, logarithmic, trigonometric and inverse trigonometric functions and their applications.

Calculus AP

Calculus AP will help you prepare to earn advanced placement credit either by exemption or placement in honors calculus in college. Topics include limits, derivatives and antiderivatives. To take the course, you must successfully complete PreCalculus Pre AP. You may need to register for a Pre AP Calculus course at high school.



Junior Reserve Officers Training Corps (JROTC)

If you're a physically fit male or female student and want to build leadership skills, take the Army Junior Reserve officers Training Corps. In this elective, you'll receive military and leadership potential. You'll also receive instruction in technical subjects with military and civilian application. You may substitute a JROTC unit for the physical education unit required for your high school diploma. Taking JROTC doesn't obligate you for military service, but you can get an advanced rank in the Armed Forces if you complete three years of the four-year program.



Biology 1

Your studies will range from the basic cell to advanced organisms and how they work and live together. You'll get in-depth instruction on biological principles and terms as you complete laboratory activities.

Biology 1 Honors/Pre AP

You'll study biochemistry, cell biology, taxonomy, comparative anatomy, human anatomy and physiology and ecological systems. You'll use concepts you learn for independent investigations in open-ended labs and student-initiated projects.

Biology 2

If you're an advanced science student with a special interest in biology take this course. You'll do extensive lab work with detailed reports required.

Biology AP

Your studies will emphasize topics covered by the College Board AP Test, which is given in the spring. The course is for advanced science students with special interests in biology. You'll need to register for a Pre-Biology AP Course

Earth Science

You'll gain a better knowledge of the Earth, its physical makeup and its place in the universe as you study energy in the Earth system, geochemical cycles and the origin and evolution of the universe and Earth system. You'll take part in rigorous and integrated hands-on lab activities, cooperative learning opportunities and video programs with textbook materials.

Chemistry 1

You'll study inorganic matter, its composition and its changes with strong emphasis on the mathematical concepts and calculations in Chemistry 1. You'll also find lab work is an essential part of the course.

Chemistry 1 Honors/Pre Ap

You'll cover traditional chemistry 1 material in great depth as you use the graphing calculator and CBL to conduct experiments. Activities will be filled with opportunities to think critically about open-ended questions. You'll also complete at least one research project.

Chemistry 2 Honors/Pre AP

Chemistry 2 is for you if you're interested in pursuing science as a career. Your work emphasizes the mathematical approach and involves studying nomenclature, molecule structure and types of organic chemistry reactions. Emphasis is on lab experiences.

Anatomy & Physiology Honors/Pre AP

You'll study the human body systems along with the body's chemical processes. You'll develop an understanding of the relationships between structures and functions of the human body as well as how they interact to maintain homeostasis. You learn through inquiry assignments and lab activities to develop a complete comprehension of the anatomy and physiology of the human body.



Survey of U.S. History

You'll study the United States with a brief study of the English colonies settlement and the American Revolution. You'll then study the Constitution, Civil War and Reconstruction, industrialization, World Wars, Human rights and foreign policy to the present day.

U.S. History

You'll study the United States with a brief study of the English colonies settlement and the American Revolution. You'll study the Constitution, Civil War, Reconstruction, industrialization, the World Wars, human rights and foreign policy to the present day.

World History

You'll probe civilization's development from the Middle Ages (1300) to today's global society

World History Honors/Pre AP

You'll explore in-depth the development of civilization from 1300 to the present. As you read and write about the past, you'll make connections to the present and consider possibilities based on trends and patterns in history. Your studies will emphasize critical thinking, analysis and synthesis of aspects of world history. You'll research and study current events to broaden your knowledge of world history.

Government

You'll develop a better understanding of how our government works with emphasis on the individual's role within our federal system

Economics

You'll build a foundation to understand American economic system principles. Your studies include supply and demand, business and labor, market economy, financial institutions and world economy. You'll also develop skills for handling your personal finances through a National Endowment for Financial Education program. You'll study financial planning, budgets, savings, investments, credit and insurance.