

10th Grade Course Offerings

John Burroughs High School 2019/20

English

English 10 Honors English 10 (required: A or B grade in English)

Social Science

World History A.P. European History (required: A or B grade in English)

Science

Biology

Earth and Space Science

Chemistry (required: grade of 'C' or higher in Algebra 1, concurrent enrollment in Geometry or completion of Geometry with a grade of 'C' or higher) Chemistry is designed to give students a basic understanding of theory, composition and behavior of matter.

Honors Chemistry (required: Completion of Algebra, grade of "B" or higher in previous math and science class, concurrent enrollment in Geometry or higher math) This is an accelerated college prep course which will cover extensive chemical theories. Emphasis will be on critical thinking, problem solving, experiments, demonstration, and discussion.

Physics (required: grade of 'C' or higher in Geometry) Study of central concepts of physics including mechanics, thermodynamics, waves, sound, light, electricity and magnetism.

AP Physics 1 (required: grade of "B" or higher in Geometry OR "B" or better in Regular Physics PLUS concurrent enrollment in Algebra 2 or higher math.) This is a college level course that provides a systematic introduction to the main principles of physics – in particular mechanics and electric circuits.

Math Algebra I

Geometry (must have completed Algebra 1 with a grade of "C" or higher)

Algebra 2 (must have completed Geometry with a grade of "C" or higher)

Intro to College Math (must have completed Algebra 2 with a grade of "C" or higher)

AP Statistics (must have completed Algebra 2 with a grade of "C" or higher)

Pre-Calculus (recommended: a grade of 'B' or higher in Algebra 2) Pre-Calculus is designed to introduce students to the language and concepts necessary for college level math courses.

Foreign Language

American Sign Language 1 A.S.L. 2 (required: grade of C or higher in ASL 1) A.S.L. 3 (required: grade of C or higher in ASL 2)

French 1 French 2 (required: grade of C or higher in French 1)

Spanish 1 Spanish 2 (required: grade of C or higher in Spanish 1) Spanish 3 (completion of Span 2 with C or higher)

Spanish for Spanish Speakers 1 (oral skills required – students will be taught to read and write) Spanish Speakers 2 (required: grade of C or higher in Spanish Speakers 1)

Fine Arts

Art Students will participate in the creation of realistic and representational art through the use of pencil, charcoal and colored pencils. Art survey of artists and their works will be explored. Advanced Art Structure (required: successful completion of Art or teacher approval.) AP Studio Art (completion of Adv Art)

Broadcast Journalism Students will produce and direct the daily 'Good Morning JBHS' program. Instructional techniques include camera use, audio, visual, and lighting techniques.

Dance 1 This course uses movement activities through traditional and modern dance. (Course may be used for PE or Fine Art credits)

Dance 2 (audition required) Dance Team / Dance Production (audition required)

Digital Media Production Students will learn to create and edit videos. Students will learn camera use, audio, visual and lighting techniques as well as gain knowledge of Adobe Premiere and After Effects.

Drama Students will learn about the world of the theater, from back stage to starring role. Drama 2 (successful completion of Drama) Play Production (successful completion of Drama) An advanced theater course designed for accomplished and dedicated theater students. Many hours of work outside of class required.

Instrumental Music: Placement will be determined by Director of Instrumental Music. Audition required.

AP Music Theory This course covers aspects of melody, harmony, rhythm, musical analysis, history, and style. Listening skills, sight singing and keyboard harmony are part of the course. Students registering for the course should have basic performance skills in voice or on an instrument. The AP Exam given in the spring is mandatory.

Musical Theater An exploration of musical theater through study, singing and dancing. This is a performance based course.

Photo Students will learn to operate a camera and shoot, develop, enlarge and finish their own work. Requirements: use of a 35 mm camera. Photo 2 (successful completion of Photo 1)

Sculpture: Students will create 3 dimensional art projects with the use of a variety of materials and techniques.

Stagecraft Technology: Students will learn the behind the scene skills necessary to be part of a stage crew. The course will cover stage management, set design and construction, and lighting.

Video Production This course is designed to prepare students for filming a documentary. Training will include camera use, lighting techniques, and audio. Adv. Video Production (successful completion of Video Production)

Vocal Music : Placement will be determined by Choir Director. Audition required.

Yearbook (Need advisor's approval) this class is responsible for designing and producing the annual yearbook. Ability to meet deadlines is a must.

Practical Arts

Aircraft Maintenance / Small Engines Students will learn the basic components and systems of two and four stroke engines through practical hands-on work with lawnmower and aircraft engines. Shop safety and tool identification will be stressed.

Broadcast Journalism Students will produce and direct the daily 'Good Morning JBHS' program. Instructional techniques include camera use, audio, visual, and lighting techniques.

Cabinet Tech 1 Students will be introduced to basic woodworking. Instruction in safety, care and use of hand tools, intro to power machines and completion of a variety of wood projects. Cabinet Tech 2 required: grade of C or higher in Cab. Tech 1

Culinary Art Science Students will develop skills in basic food use and preparation with an emphasis on application of nutritional knowledge.

Digital Applications (Game Design) Students gain exposure and experience using personal computers, scanners, digital cameras and print software to complete a variety of projects in the field of business, digital photography, video and audio editing, desktop publishing, video game design, and web design. Adv. Digital Applications (required: successful completion of Digital Applications 1)

Digital Media Production Students will learn to create and edit videos. Students will learn camera use, audio, visual and lighting techniques as well as gain knowledge of Adobe Premiere and After Effects. (Currently not a UC approved Fine Art, however counts as an academic elective)

Journalism Students will analyze electronic and print media and then learn to write while acquiring the skills necessary to produce the school newspaper. Adv. Journalism (required: successful completion of Journalism)

Photo Students will learn to operate a camera and shoot, develop, enlarge and finish their own work. Requirements: use of a 35 mm camera. Photo 2 (successful completion of Photo 1)

Stagecraft Technology: Students will learn the behind the scene skills necessary to be part of a stage crew. The course will cover stage management, set design and construction, and lighting.

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Yearbook (Need advisor's approval) this class is responsible for designing and producing the annual yearbook. Ability to meet deadlines is a must.

Additional Electives

*Engineering Academy (Engineering 1) In this UC approved course, students will work hands on designing and manufacturing VEX Robots while learning basic theory and application of electronics, programming, and pneumatic systems. A variety of measuring tools and instruments will also be utilized for labs and experiments. *new academy students will need to complete an online application.

*Medical Academy (Global Health/Careers in the Medical Field) UC approved elective course. *new academy students will need to complete an online application.

ASB

Health and Careers

Physical Education (all 10th grade students are required to be enrolled in a Physical Education class)

Aerobics Fitness program that gives students a chance to dance/step to music.

Dance 1 This course uses movement activities through traditional and modern dance. (Course may be used for PE or Fine Art credits)

Marching Band (1st semester only/ Co enrolled in band course. Will take PE in spring semester)

PE 10 Students will learn basic skills, rules and strategies needed to participate in team sports and physical fitness disciplines. All students are required to pass the fitness test.

Pep Squad (tryouts required) cheerleading squad. P.E. credit earned.

Weight Training This class meets the needs of students in the following areas: total body strength specific large muscle group development, flexibility enhancement, cardio-vascular fitness and strength conditioning through weight training activities.

Athletic Teams (tryouts required) contact coach for more information.