

Brookwood High School

RESTRICTED Core Course Offerings 2019-2020

■ * *Restricted Core Classes* *Requiring Teacher Approval, Audition, and/or Application* *(Front of Registration Form)*

Language Arts

Newspaper: Learn about interview techniques, event coverage, and other aspects of newspaper production. *See Valentine, E17.*

Yearbook: This class involves the production and sale of the school's yearbook. *See Chatham, E9.*

Seniors may choose from one of the following courses to meet their 12th Grade Language Arts requirement:

AP Language & Composition: Students will read complex texts, including both non-fiction and fiction with understanding, as well as analyze language use in advertisement and rhetoric. Students will write engaging prose that emphasizes content and purpose. *Completion of 11th Grade LA is required.*

AP Literature & Composition: Students will read complex texts including fiction and poetry to deepen their understanding of language as it is used to provide meaning/pleasure for reader. The students will also focus on writing about literature and literary analysis. *Completion of 11th Grade LA is required.*

British Literature: A Senior level Language Arts class in which students will critically examine, through reading and writing, literature of the British Literary canon. Offered at the Co-Taught, College Prep, and Honors/Gifted level.

British Literature Through Creative Writing Lens: This course is designed for students to learn British Literature through the lens of creative writing. Students will gain a deeper understanding through independent creative writing and workshop style feedback. Class will be taught at an Honors level. *See Aponte, A206.*

British Literature Through Business Lens: In this course, students will critically examine British Literature through an entrepreneurial lens. The theme of this culminating year of entrepreneurial language arts focuses on leadership in the business world.

Social Studies

AP Human Geography: Study the patterns and processes of human languages, religions, politics, and populations. *Open to all grade levels.*

AP Psychology: In-depth examination of the scientific nature of psychology, including brain and human development. *11th–12th grade only*

AP European History: Analyzes historical evidence and interpretations and requires students to express historical understanding through exploring principle themes of modern European history. *12th grade only*

World Geography: Learn the roles, responsibilities, and relationships of people and places throughout the world. Offered at CP level as an Open Elective and Honors/ Gifted as a Restricted Elective with teacher recommendation required.

Foreign Language

Spanish for Native Speakers 1: This class is designed for students who speak Spanish at home but have had no formal schooling in the language; a placement exam is given at the beginning of the semester to ensure proper placement.

Honors Level I: Students will gain a deep understanding of the foundations of the Spanish, French, German, and Latin languages. Students will learn to communicate in oral and written form and will gain cultural knowledge of the countries in which the languages are/ were spoken. This course is appropriate for students who are registered for at least two core classes at the Honors, Gifted, or AP level and is the track for students who intend to take an AP-level language course. Students should see any Foreign Language teacher or go to Arena to register for this course.

**For information on Foreign Language Years 2, 3, and 4/AP options, please see your Foreign Language teacher.*

4th Year & Elective Science Options

The following classes meet the 4th year Science requirement and require completion of Biology and Chemistry:

Anatomy & Physiology: Rigorous, in-depth study of the structure and function of the human body.

Forensics: Explore the scientific and technological aspects of criminal investigations. Topics include DNA, fingerprinting, blood, and evidence collection.

Natural Resources Management: Learn conservation, maintenance, and good stewardship of air, soil, water, land, and wildlife resources for economic, recreation, and health purposes. Includes aquaponics, ag STEM, entrepreneurship, and marketing.

Appropriate and Alternative Energy: Learn the differences between nonrenewable and renewable energy sources and how they affect your world. Fall Semester Physics will be integrated for an additional half credit. Students should plan to take Energy & Power Tech in 11th grade to complete the Physics requirement. *9th grade only*

Advanced Robotics and Mechatronics: This course builds upon the foundation students acquire in physics and provides an overview of robot mechanisms, dynamics, and systems. *Requires concurrent or prerequisite of Physics.*

Energy & Power Technology: Project-based course that explores the relationships between force, work, energy and power with applications in industry and society. *Requires concurrent or prerequisite of Physics.*

AP Environmental Science: Builds a foundation for understanding the relationships of humans to the natural world. Shows how environmental problems arise and how we can work to resolve or prevent them. Covers ecology, energy resources, conservation, and pollution.

AP Biology: Rigorous, in-depth college course that contains critical analysis and explanations of biological science.

AP Physics I: Focuses on motion, forces, momentum, work, energy, circular motion, waves, sounds, basic electrostatics and electric circuits. Contains intense, algebra-based math content. *Students should be concurrently enrolled in Precalculus or Accel Precalculus or higher.*

AP Chemistry: Rigorous, college-level chemistry course work with advanced lab activities.

AP Physics C: Calculus-based, college-level physics course focusing on motion (mechanics), electricity, and magnetism. *Requires completion of AP Physics I and completion or concurrent enrollment in AP Calculus.*

Brookwood High School

RESTRICTED Elective Offerings 2019-2020

■ * *Restricted Electives Requiring Teacher Approval, Audition, and/or Application* (Back of Registration Form)

Career & Technical Education (CTE)

The following CTE classes all require prerequisite courses. See any CTE teacher or go to Arena for more information:

Advanced Fashion Merchandising & Retail Essentials: The last course in the fashion pathway in which students apply key skills and their knowledge of the industry required in a retail environment. Focus on specific interests, develop a portfolio, participate in a field experience, and produce a fashion show.

Marketing Management: Students apply marketing concepts in a laboratory setting by working in The Bronco Stampede, a retail store in which students practice professional selling, utilize employability skills, and create promotional plans and a product mix.

Advanced Sports Marketing: Last course in the sports and entertainment marketing pathway in which students apply key skills and their knowledge of the sport and entertainment industries. Students will focus on specific interests and participate in project-based learning opportunities.

Business and Technology: Students will take part in helping to run Brookwood's print shop (a school-based enterprise). Course topics include general business concepts, graphic design, MS Office, accounting, management, marketing, and manufacturing. See Reeves, B4 periods 1-3.

Engineering Concepts: Students will learn to design technical solutions to engineering problems using a whole systems approach to engineering design. Students will demonstrate the application of mathematical tools, teamwork, and communications skills in solving various design challenges.

3-D Modeling & Analysis: Learn the Inventor CAD program and perform problem solving techniques in areas of engineering. Year 3 of Drafting & Design Pathway

AP Computer Science Principles: The course will introduce students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cyber security concerns, and computing impacts. Advanced math required. Students with no prior programming experience should first take Intro to Digital Tech.

AP Computer Science A: An intense study of structured programming and advance programming analysis. Completion of Computer Science Principles or extensive prerequisite programming skills and teacher interview are required. Pre- or co-req of Accelerated Precalculus. This class can meet the 4th year Science requirement.

Entrepreneurship (w/ 10th Grade Lang Arts and Oral & Written Comm): Learn how to launch a small business and pitch for investment funding. Real-life application of LA skills will be integrated through the lens of entrepreneurship. 3 units in a 2 per block. 10th only – satisfies core LA requirement. See Quinlan, B6A or McLane, F3.

Examining the Teaching Profession: Students will study, apply, and practice effective teaching and learning strategies, the creation of an effective learning environment, and plan instruction based on curriculum performance standards. A practicum experience is included for pathway completers. See Campbell, C11.

WBL (Work-Based Learning): Students will be released early from school for outside employment; must have a stable job and transportation. Minimum number of hours per week required depending on the number of periods released: 5 hrs for 1 period, 10 hrs for 2, and 15 hrs for 3. See Quinlan, B6A.

Office Aide (Business Communication): Students will be assigned an office location on campus to work. Job skills learned vary according to placement. All students gain employability skills through their experience. See Reeves, B4 periods 1-3.

Fine Arts

These Performing Arts classes require an audition. See the teacher(s) listed:

Band: 5 separate band classes are available, based on appropriate level: Maroon and Gold Band, Concert Band, Symphonic Band, Symphonic Winds, and Marching Percussion. Afternoon/ evening rehearsals/concerts and fees required. See Stanley/Jean, F101.

Orchestra: Six different orchestra classes are available: Maroon/Gold, Concert Strings, Symphonic Strings, Symphony, and Philharmonic. Afternoon/ evening rehearsals/concerts and fees required. See Kendall/Reesman, F102.

Music Technology: This course involves computers, musical software, and electronic keyboards, all used to compose music. Create musical compositions using a Digital Audio Workstation. See Costigan, C19.

Chorus: There are four different levels of chorus available: Women/Men Beginning, Intermediate, Advanced, and Mastery. Afternoon/ evening rehearsals/concerts and fees required. Beginning chorus is open to all students and all other levels are by audition only. See Peeples, E5.

Dance: Students study Modern, Jazz, and Ballet techniques as well as Improvisation, Choreography, Yoga, and Pilates. See Tshudy, D6.

These classes require a pre-requisite of Theatre Fundamentals. See Hedrick/Lindahl, E1/E2:

Acting: Learn to analyze and evaluate live theatre through scene study, monologues, improvisations, and play productions.

Stagecraft: A hands-on class exploring aspects of technical theater such as set design, costumes, lighting, and sound.

Musical Theatre: The class will present a fully mounted musical production each semester.

Advanced Production: This class will present two fully mounted theatrical productions each semester.

These yearlong classes require a pre-requisite of Visual Arts Comp I & II (2D & 3D). See any Art teacher in B13-B17:

Drawing and Painting: Learn a variety of drawing and painting techniques in a range of materials, styles, and subject matter.

Photography: Learn the technical aspects of a camera along with photography software and digital printing techniques.

AP Studio Art: This yearlong class is for students who are seriously interested in the practical experience of art. Create a portfolio of work to demonstrate mastery of artistic skills, processes, and ideas. Completion of Vis. Arts Comp I&II and at least 1 year of an advanced art course required.

Sculpture: This class explores a variety of sculpting techniques using a range of materials, tools, and styles.

Graphic Design: Real-world applications of graphic art, including advertising and consumer goods.

Printmaking: Explore a variety of printmaking techniques, materials, and subjects while creating one-of-a-kind designs.

Physical Education

Sports Medicine: Study the fields of sports medicine, athletic training and physical therapy. Personal Fitness and Health are pre-requisites. 11th–12th grade only. See Pearson, Field House or Maroon Gym.

Weight Training (Boys)/ Body Sculpting (Girls): Focus on conditioning, building strength, and endurance which requires lifting weights and other physical fitness training. Personal Fitness and Health are pre-requisites. Students may go to Arena, see any PE teacher, or see a team coach to register for these classes.

Miscellaneous Courses

College Readiness with SAT/ACT Prep and Oral/ Written Communication: Prepare for the SAT and ACT and practice skills for college readiness. Learn about college options, the admissions process, and scholarship opportunities. 10th–12th Grade only with co- or pre-requisite of Algebra II.

Peer Leading: Components of problem-solving, civic participation, and effective communication skills, including ethical codes, tolerance, and advocacy. 11th/12th grade only. See Benton/Linderman, A1.