CTAE

Career, Technical and Agricultural Education at Fulton County Schools aims to engage students in cutting-edge, grade-appropriate career exploration and preparation opportunities that set them up to excel in postsecondary education and productive careers. Students are encouraged to pursue pathway completion, which entails taking a sequence of courses in the same industry cluster. Upon completion of a pathway students are eligible to take an assessment leading to an industry recognized credential or certification (e.g., Certified Nursing Assistant, Microsoft Office Specialist, OSHA Certification). In addition, their participation in co-curricular student organizations, and work-based learning enables them to leave high school with tangible marketable skills and documentation of their capabilities, as well as greater understanding of the college and career paths related to their chosen industry.

Work-Based Learning Program

The mission of the Work-Based Learning Program is to assist in providing a highly trained, technologically sophisticated and career oriented young work force. This is accomplished by developing partnerships between business, industry, students, parents, school systems, coordinators, post-secondary institutions, and registered apprenticeships which will lead the participating student into meaningful careers.

Automotive Pathway

The Automotive Pathway explores skills needed to gain employment as a maintenance and light repair technician and will expose student to automotive preventative maintenance and servicing, replacing brakes, as well as steering and suspension components. Students will learn about general electrical system diagnosis, electrical theory, basic tests that are required, and determine the necessary action. In addition, students will learn how to evacuate and recharge air-conditioning systems using the proper refrigerant. The standards in this course are aligned with ASE/NATEF standards and are an excellent foundation for the entry-level technician.

Courses: Basic Maintenance and Light Repair 1, Maintenance and Light Repair 2
Maintance and Light Repair 3

Healthcare Science Pathway

Healthcare Science helps scholars learn about various careers within the healthcare arena. Scholars are prepared for the workload required for their desired career through research, planning, and hands-on curriculum. Upon program completion from Langston Hughes, scholars should be able to have a smooth transition into schools, military or entry-level allied health positions. In the program, a strong emphasis is placed skills such as problem solving, teamwork, and critical thinking which are necessary to enter the healthcare workforce.

Courses: Introduction to Healthcare Science, Essentials of Healthcare, Allied Health & Medicine, Pharmacy Operations

Fashion, Merchandising and Retailing Essentials

Fashion, Merchandising and Retailing Essentials is the second course in the Fashion, Merchandising and Retail Management Pathway. This course introduces students to the retail industry including the fundamentals of fashion marketing, key marketing concepts essential to every business, types of businesses involved in the industry, and an array of career opportunities. Students will develop skills in such areas as fashion economics, marketing segmentation and target marketing, product selection and buying, and inventory systems.

Courses: Marketing Principles, Introduction to Fashion Merchandising Advanced Fashion Merchandising

Information Support and Services

The Information Support and Services pathway is for students who are interested in learning web design, digital communications, programming, computer hardware and software maintenance. Students will develop a skill set to solve computer problems, perform preventive maintenance, and explain functions and purposes of computer elements. The students will gain practical experience in assembling a computer system, and installing operating systems. Practical and hands-on experience of troubleshooting and maintenance will allow students to demonstrate mastery of skills. Various forms of technologies will be used to expose students to resources, software, and applications of computer repair. Students will not only understand the concepts, but apply their knowledge to resolve computer issues.

Courses: Introduction to Digital Technology, Information Technology Essentials Information Technology Support

Financial Services Pathway

Financial Services Pathway explores the financial world as students dive into the main areas of financial services, importance of the financial world, including planning and managing money wisely, and including banking, investing, and insurance. Basics of banking and credit include a brief history of money and banking, negotiable instruments, creation of credit, and the function of banks. Methods for measuring the financial performance of financial institutions are analyzed. Students will be introduced to a variety of investment options and learn to determine the appropriate options for an investment goal. By analyzing financial reports and employing other tools to predict growth rates and return on investment, students will develop strategies to produce financial growth strategies for a business. Through projects, students will determine the risks faced by individuals and businesses and decide on the proper risk management techniques to mitigate those risks. Investigating both personal and business insurance products and deciding which products are suitable for a specific customer profile will be covered. Ethical issues and case studies involved in the financial services industry will be used to determine how industry regulations are developed. An investigation of careers in the financial services industry will be explored throughout this course. Concepts of these courses will be enhanced by business partnerships with community financial institutions, investment firms, insurance companies, stock market simulations, guest speakers, virtual experiences, and technology.

Courses: Introduction to Business and Technology, Financial Literacy

Banking, Investing and Insurance

Sports and Entertainment Marketing Pathway

The Sports and Entertainment Marketing pathway provides scholars with opportunities to develop managerial skills, analytical skills and to deepen their knowledge in marketing with a primary focus on sports/entertainment marketing. Areas of study include: Marketing-Information Management, Selling, Publicity/Public Relations, Sales Promotion, Management of Promotion, Product Mix, Pricing, Positioning, and Marketing Planning. Project-based instruction, together with a variety of work-based learning activities are included in this pathway to provide real-world experiences for scholars.

Courses: Marketing Principles, Intro to Sports and Entertainment Marketing

Advanced Sports and Entertainment Marketing

The Graphic Design Pathway

The Graphic Design Pathway focuses on procedures commonly used in the graphic communication and design industries. Students will gain more experience in creative problem solving and the practical implementation of those solutions across multiple areas of graphic design and graphic communications. Students will continue to explore in an increasingly independent manner, the principles of design and layout procedures relating to the field of graphic design. Content will cover electronic systems and software programs used in graphic design, page composition, image conversion, and digital printing. Knowledge and skills in digital design and imaging will be enhanced through experiences that simulate the graphic design industry and school-based and work-based learning opportunities.

Courses: Introduction to Graphics and Design, Graphic Design and Production, Advanced Graphic Design

Engineering Pathway

Engineering Technology career pathway provides students with learning opportunities, connections to industry concepts and engineering experiences required for career readiness. Our engineering pathway is a compilation of individual engineering lessons, units of study with multiple lessons in sequence, and STEM projects in engineering that complement the overall career pathway. The engineering project are considered integrated units emphasizing Technology, Engineering, and Mathematics of STEM and also present strong supplementary academic assignments and activities in relation to CTE in the fields of Engineering Design, Engineering Technology, Engineering Architecture, and technical skilled trades. Engineering pathway completer students will plan, prepare, and design a capstone applications project build upon prior skills learned such as applied math & physical science techniques, CAD & CAM skills, other engineering fundamentals(project topics include engineering design and production of visual communications, and maintenance of mechanical, telecommunications, electrical, electronics, and electromechanical products and systems).

Courses: Foundations of Engineering and Technology, Engineering Concepts Engineering Applications

Langston Hughes High School Pathways

Entrepreneurship

Entrepreneurship Pathway focuses on recognizing a business opportunity, starting a business, operating, and maintaining a business. Students will be exposed to the development of critical thinking, problem solving, and innovation in this course as they will either be the business owner or individuals working in a competitive job market in the future. Integration of accounting, finance, marketing, business management, legal and economic environments will be developed throughout projects in this course. Working to develop a business plan that includes structuring the organization, financing the organization, and managing information, operations, marketing, and human resources will be a focus in the course. Engaging students in the creation and management of a business and the challenges of being a small business owner will be fulfilled in this pathway.

Courses: Introduction to Buisness and Technology, Entrepreneurship
Legal Environment of Business

Programming, Games, and Apps

The programming pathway classes are intellectually rich and engaging courses that focuses on building a solid understanding and foundation in computer science. The courses emphasizes the content, practices, thinking and skills central to the discipline of computer science. Through both its content and pedagogy, it aims to appeal to a broad audience. The focus of the courses will fall into these computational thinking practices: connecting computing, developing computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating. Various forms of technologies will be used to expose students to resources and application of computer science. Professional communication skills and practices, problem-solving, ethical and legal issues, and the impact of effective presentation skills are enhanced in this course to prepare students to be college and career ready. Employability skills are integrated into activities, tasks, and projects throughout the course standards to demonstrate the skills required by business and industry

Courses: Introduction to Digital Technology, Computer Science Principles
Programming, Apps, Games, and Society

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Langston Hughes High School Pathways

Dance Pathway

The Dance Pathway provides its students with daily technique and performance practice. Student Dancers are given audition experience, resume building workshops, as well as increased performance and choreography opportunities.

Courses: Introduction to Dance, Aerobic Dance, Int. Aerobic Dance

World Language Pathway

Students have an opportunity to explore various cultures and become fluent in the language of their choice. Our students at Langston Hughes have the opportunity to advance there curiosity through various course options provided.

Courses: Spanish 1, Spanish 2, Spanish 3, Spanish 4, Spanish 5, Spanish AP
French 1, French 2, French 3, French 4, French 5, French AP

JROTC Pathway

The Junior ROTC program is a leadership and character education program of study for students enrolled in grades 9 - 12. Leadership education in the Junior ROTC program offers a unique opportunity for students to develop their leadership and managerial skills. Students completing the Leadership Education –Army JROTC pathway have unlimited opportunities for post-secondary education or employment in both the public and private sector

Courses: JROTC 1, JROTC 2, JROTC 3

Visual Arts Pathway

Students will explore a variety of media, processes, and resources. The focus is on understanding and using the elements of art, principles of design, and the language of art. Courses are offered in drawing and painting, photography, sculpture, ceramics, and printmaking.

Courses: Intro To Art, Draw and Painting, Ceramics 1, Ceramics 2, Sculpture 1, Sculpture 2, Photo 1, Photo 2, Photo 3, Photo 4

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Drama Pathway

Students looking to get into acting and drama have the opportunity to experience a plethora of classes that will meet your need and support your aspirations to become an actor or actress.

Courses: Fundamentals of Theatre 1, Fundamentals of Theatre 2,

Advance Drama 1, Advance Drama 2, Advance Drama 3

Acting 1, Acting 2

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Music Pathway

No matter your musical talent, this pathway has an option just for you. Students can choice whether to focus on fine-tuning their voice or their instrument.

Courses: Music Appreciation, Int. Music Tech, AP Music Theory

Beginning Piano 1, Beginning Piano 2, Advance Piano Tech

Beginning Chorus 1, Beginning Chorus 2, Advance Chorus

Beginning Orchestra, Advance Orchestra