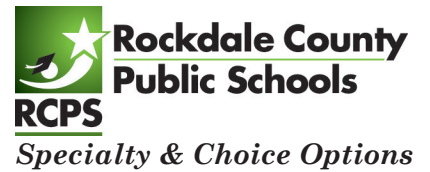




Institute of Advanced Technology at Rockdale County High School

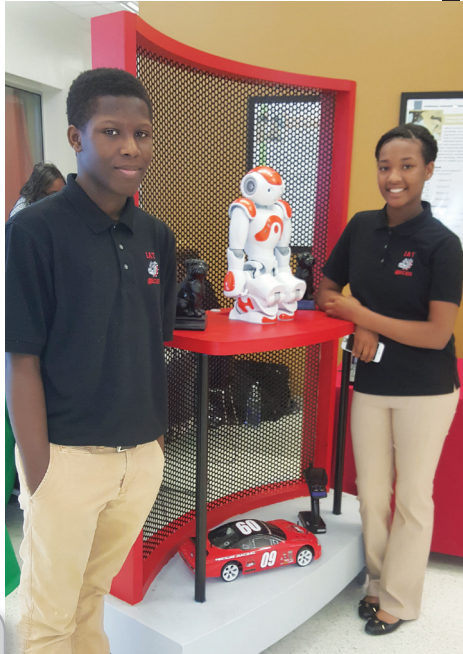
1174 Bulldog Circle, Conyers, GA 30012 • 770-483-8754 • www.rockdaleschools.org



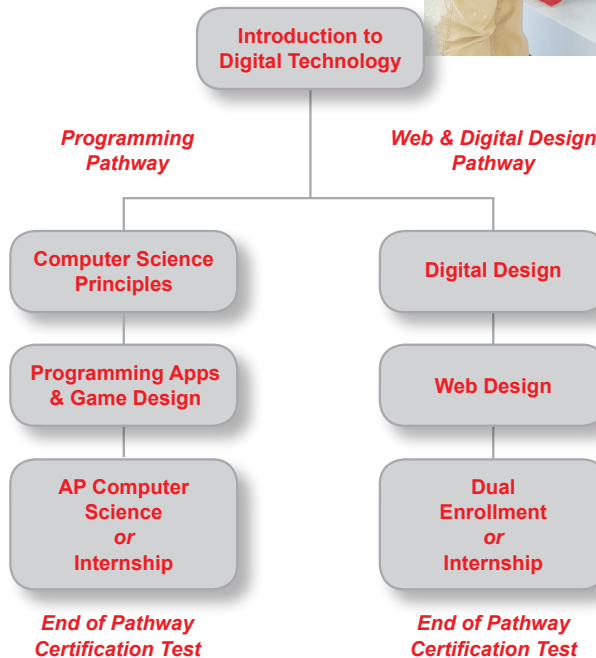
Program Overview

The Institute of Advanced Technology offers a curriculum that links rigorous core academic courses to computer science and video game design courses. The program incorporates Georgia Professional Standards in a curriculum that includes network services, information technology support and services, programming and software development, and interactive digital media systems.

Courses and course progression are subject to change to meet industry and post-secondary educational standards and/or requirements. Students must follow the course progression and maintain passing grades to remain in the program.



Course Sequence



Components for Student Success

The students will complete a pathway as posted above beginning with Introduction to Digital Technology. All courses must be taken in order and upon completion of the courses, the students will sit for the End of the Pathway Assessment, Microsoft Technology Associate (MTA): Gaming Development Fundamentals or Digital Media Communications Fundamentals.

The goal of the Institute is to prepare its graduates to move forward with the technical ability to pursue post-secondary educational opportunities at technical centers and/or four-year colleges and universities. These students will have multiple options upon graduation due to the rigor and relevance of these pathways.

Application, Eligibility, and Lottery

RCPS will use an electronic application process for 2017-18 School Choice programs. **No paper applications will be accepted.** Students may apply for one School Choice program only for the 2017-18 school year.

The application window is November 28 - December 16, 2016. The online application will be available on the district website at: rockdaleschools.org

The Student Registration Office at 1143 West Avenue will provide assistance to access the online application if needed, Monday through Friday, 8:00 a.m. - 3:00 p.m., on a first come, first served basis. Only complete applications will be accepted.

Eligibility Criteria

- Students must meet the student registration requirements for Rockdale County Public Schools.
- Students who change schools after day one of their 9th grade year may not be eligible for varsity sports, literary competitions or One Act Play. All GHSA eligibility rules apply for all programs.

Lottery

In the event there are more eligible applicants than space available, students will be selected via a random lottery drawing. If needed, a lottery will be held in January.



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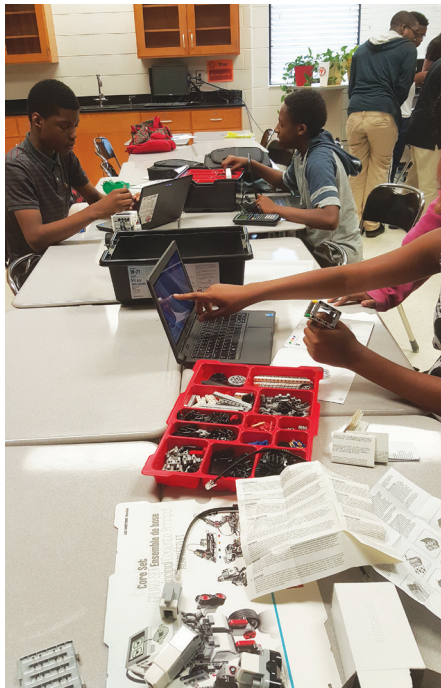
Programming Pathway

The Programming Pathway is one of six pathways in the Information Technology Cluster. This cluster builds linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, and multimedia and systems integration services. Careers in Programming and Software Development involve the design, development, implementation and maintenance of computer systems and software, requiring knowledge of computer operating systems, programming languages and software development. People with expertise in programming and software development work with cutting-edge technologies to develop tomorrow's products for use by businesses and consumers.



Web & Digital Design Pathway

The Web & Digital Design pathway is one of six pathways in the Information Technology Cluster. This cluster builds linkages in IT occupations for entry level, technical, and professional careers related to the design, development, support and management of hardware, software, and multimedia and systems integration services. The Web & Digital Design Pathway is designed for high school students to understand, communicate, and adapt to a digital world as it impacts their personal life, society, and business world. Exposure to foundational knowledge in hardware, software, programming, web design, IT support, and networks are taught in a computer lab with hands-on activities and project-focused tasks. Students will not only understand the concepts, but apply their knowledge to situations and defend their actions/decisions/choices through the knowledge and skills acquired in this course.



A Message from the Principal

Welcome to the Institute of Advanced Technology at Rockdale County High School. Our specialty program is designed to give students the opportunity to dive deeper into the digital world, giving the necessary knowledge, tools, and skills needed to pursue higher education and/or a career in a variety of technology fields.

We offer state-of-the-art programs and facilities to enhance the student learning experience and our hands-on, interactive approach makes learning fun. The advanced curriculum will challenge students to become masters of design, logical reasoning, and problem solving. Our innovative and talented students are creating award-winning video games, apps, and digital programs at the level of those produced by experts in the field.

As principal, I look forward to having you join our unique specialty program and our great school community.

— Frank Daniels

