



GCS and STEM: Preparing Students for the Future

IT'S SAID THAT SOME JOBS OF THE FUTURE HAVEN'T BEEN INVENTED YET, BUT THAT DOESN'T MEAN OUR STUDENTS CAN'T PREPARE FOR THEM NOW.

GCS offers a variety of opportunities for students to explore interests in Science, Technology, Engineering and Math (STEM) and help prepare them for college, career and life. The U.S. Department of Labor estimates that employment opportunities in STEM fields will grow to more than 9 million by 2022, more quickly than any other occupation. To prepare students for those future careers, GCS offers a wide variety of STEM-focused courses, specialized magnet programs and after-school activities designed to spark a student's scientific imagination. Students hoping to focus on STEM can follow their passions through a variety of opportunities:

THREE ELEMENTARY MAGNET PROGRAMS:

- Bluford STEM Academy
- General Greene Academy of Science and Technology
- Montlieu Academy of Technology

MIDDLE SCHOOL MAGNET PROGRAM:

- Welborn Academy of Science and Technology

TEN HIGH SCHOOL PROGRAMS FOCUSING ON STEM INTERESTS INCLUDING:

- Aviation
- Health Sciences
- Medical Careers
- Information Technology

- Engineering
- Electrical Technology
- STEM Early College

CAREER AND TECHNICAL EDUCATION CAREER CLUSTERS:

- Finance
- Health Science
- Information Technology
- Science, Technology, Engineering and Math
- More than a dozen industry standard credentials for careers like pharmacy technicians, nurse's aides, IT and more
- Development Fundamentals



GCS STEM RECOGNITIONS:

- Early College at Guilford ranked 4th Best STEM High School in the Nation by *U.S. News and World Report* and Best in North Carolina
- STEM Early College at N.C. A&T students named 2017 North Carolina State Champions in the Real World Design Challenge

After-school opportunities include Mad Science Club, FIRST Robotics and Real World Design Challenge.

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