



ROCKDALE MAGNET SCHOOL FOR SCIENCE AND TECHNOLOGY

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RMSST is a member of The National Consortium of Secondary STEM Schools.



RMSST is a GA STEM Certified Program (2012-2022)



Rockdale Magnet School for Science and Technology (*RMSST*) was established in the fall of 2000 as a partnership between Rockdale County Public Schools in Conyers, Georgia and the College of Engineering at the Georgia Institute of Technology in Atlanta, Georgia. In May of 2012, RMSST was awarded STEM Certification by the Georgia Department of Education. RMSST is a public, selective admissions school-within-a-school housed at Rockdale County High School (CEEB: 110860). Students apply in 8th grade and then complete rigorous, STEM-based graduation requirements, including a minimum of 7 additional STEM graduation credits throughout 9th-12th grades. RMSST provides a dynamic and unique learning environment designed for high-achieving students with an interest and aptitude in Mathematics, Science, and Technology. All RMSST courses use college-level textbooks and extend the curriculum beyond Georgia's course standards.

RMSST MISSION

The mission of the Rockdale Magnet School for Science and Technology, a specialized research-focused learning community, is to foster and produce students who think ethically, critically, and independently while excelling in competitive academic environments and demonstrating high standards and expectations distinguished by rigorous, accelerated curriculum, four years of student-driven scientific research, personalized academic support and advisement, academic extracurricular activities, leadership and service opportunities, and dedicated family and community involvement.

RMSST SCIENTIFIC INTERNSHIP PROGRAM

Provides senior students with real-world experiences in their area of interests, real-world applications that are directly linked to the Magnet curriculum, research experience in an on-site lab or local business, skills related to a specific occupation, and exposure to equipment and procedures involved in a specific occupation. The Scientific Internship Program enables Magnet seniors to serve one or two class periods as special assistants to senior government and business officials in the fields of medicine, engineering, technology, mathematics, and criminal justice. The program blends the theoretical and the practical, providing student with actual on-site work experience in a STEM field.

RMSST RESEARCH CURRICULUM

Students are involved in individual, in-depth research projects each year in student-selected areas of Math, Science, Engineering, or Technology. These investigations are carried out under the supervision of RMSST faculty and mentors from various universities, businesses, and government agencies. RMSST students present an oral defense of their research projects to school and community members at the Annual Student Showcase and then submit them in science fairs and other competitive venues.

REQUIRED COURSES

- ◆ Magnet Environmental Science
- ◆ Magnet Biology
- ◆ Magnet Chemistry
- ◆ Magnet Physics
- ◆ Magnet Research I
- ◆ Magnet Research II
- ◆ Magnet Research III
- ◆ Four Magnet Math Courses (Minimum of AP Calculus AB)
- ◆ Senior Capstone: Magnet Research IV or Magnet Scientific Internship
- ◆ *At least two AP Science Courses:* Biology, Chemistry, Environmental Science, Physics 2, Physics C
- ◆ *One Senior Specialized STEM Elective*

MAGNET ACADEMIC ELECTIVES

- ◆ Magnet Human Anatomy & Physiology (Post AP)
- ◆ Magnet Microbiology (Post AP)
- ◆ Magnet Research & Design (Engineering) (Post AP)
- ◆ Magnet Engineering Concepts
- ◆ Magnet Engineering Applications
- ◆ Magnet Scientific Internship
- ◆ Magnet Oceanography
- ◆ Math in Industry and Government & History of Math (Post AP)
- ◆ Magnet Forensic Science
- ◆ Magnet Astronomy
- ◆ History of English
- ◆ SAT Math Support

FAST FACTS - Class of 2018

\$10,302,837

Scholarship Offers

(excludes HOPE)

Class Size: 64

70% in-state colleges
30% out-of-state colleges

26

Average Composite ACT Score

10 Average total AP courses taken

1290

Average Combined SAT Score

81% of graduates plan to pursue STEM degrees

