



ROCKDALE MAGNET SCHOOL

for **SCIENCE** and **TECHNOLOGY**

2023-2024 School Profile

As a specialized **research-focused** learning community, *our mission is* to foster and produce students who think **ethically, critically,** and **independently** while excelling in competitive academic environments and demonstrating **high standards** and **expectations.**

Our Vision is to prepare STEM scholars to lead in a world of accelerated change.

Amanda Baskett
Magnet Director

Lynette Clark
Assistant Director

Jennifer Harris
School Counselor

Myrissa Lindsey
School Counselor

CEEB CODE: 110867

930 Rowland Road • Conyers, GA • Tel: 770-483-8737 • Fax: 770-483-7379

ABOUT US

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 the first High School in Georgia to be 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. All RMSST courses use college-level textbooks and extend the curriculum beyond Georgia's course standards.

ELIGIBILITY REQUIREMENTS & SELECTION PROCESS

- Resident of Rockdale County (if moving into Rockdale County, residency must be established prior to enrollment if selected)

AND

One of the options below:

- 7th grade ITBS Subject Score of 60th National Percentile Rank or higher for Reading or Math and/or EOC English Score of 550+ and/or Math Score 3+.
- OR
- 8th grade student enrolled in Coordinate Algebra and/or Carnegie Physical Science in their Middle School

* Private, Home-school, or non-RCPS 8th grade students must be enrolled in Algebra 1 or Geometry.

GRADUATION REQUIREMENTS

Magnet Science: 4 UNITS

- MUST include: Environmental Science, Biology, Chemistry, and Physics
- Minimum of 2 science units taken at the AP level (AP Environmental Science, AP Biology, AP Chemistry, AP Physics)

Magnet Math: 4 UNITS

- Minimum of 1 unit of AP Calculus

Magnet Research: 3 UNITS

English/Language Arts: 4 UNITS

- MUST Include 2 units of Magnet English

One senior specialized elective credit

- MUST be a magnet academic stem elective

Social Studies: 4 UNITS

Health .5 UNIT/ Personal Fitness .5 UNIT

World Language: 2 UNITS

- MUST be same language

Magnet Technology: 1 UNIT

Senior capstone credit: 1 UNIT

- Scientific Internship or Research IV

*Magnet (Mag) , AP , and Dual Enrollment courses have an additional 1.2 weight added to the weighted GPA

SCHEDULE

- Two 18-week semesters
- Block Scheduling with A Day and B Day
- Students earn a final grade at the end of each semester for the .5 unit taken
- All students must take 8 classes each semester which can include: RMSST, RCHS, RCA, RVC, Dual-Enrollment, and Off-Campus classes.

RCHS - Rockdale County High School*
 RCA - Rockdale Career Academy*
 RVC - Rockdale Virtual School
 *Students provided transportation

COUNSELOR CASELOAD

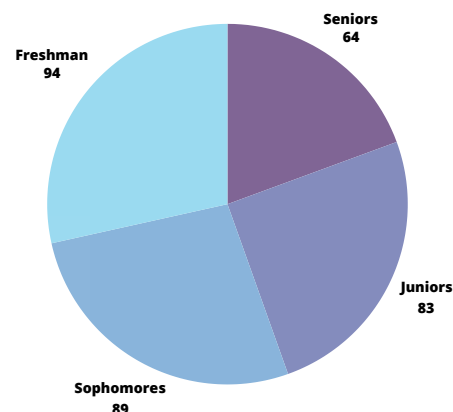
Myrissa Lindsey

mlindsey@rockdale.k12.ga.us
 Ext. 29102
 Last Names: A-J
 Senior Caseload Size: 36
 Overall Caseload Size: 160

Jennifer Harris

jharris1@rockdale.k12.ga.us
 Ext. 29116
 Last Names: K-Z
 Senior Caseload Size: 28
 Overall Caseload Size: 169

STUDENT DEMOGRAPHICS



Asian	6%
Black	65%
Hispanic	10%
Multi-Racial	5%
White	14%



Free/Reduced Lunch:



HONORS

- We provide Class Rank
- Minimum 3.5 weighted GPA to be an honor graduate.
 - 3.5 - 3.69 : Cum Laude
 - 3.7 -3.89 : Magna Cum Laude
 - 3.9+: Summa Cum Laude

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.

Research I 9th: Lab methodology, lab safety, use of scientific equipment, foundations of experimental design, how to read scientific journal articles, and students design proposal for first research project.

Research II 10th: Students complete first research project and earn their Responsible Conduct of Research (RCR) certification. Emphasizes the use of multiple variables and statistics within a chosen research project.

Research III 11th: Students complete second research project as a continuation or exploration in a new field. Emphasizes the ethics of scientific research and professional standards within STEM careers.

Research IV 12th grade: Students complete their third research project and also mentor younger students in the lab. Emphasizes process of publishing work in scientific journals.

ADVANCED PLACEMENT COURSES

AP Environmental Science	AP Statistics
AP Biology	AP Studio Art
AP Chemistry	AP English Language
AP Physics C	AP English Literature
AP Physics E Electricity & Magnetism	AP World History
AP Computer Science	AP US History
AP Computer Science Principles	AP Government
Magnet Calculus I (AP Calculus AB & 1/2 AP Calculus BC)	AP Psychology
Magnet Calculus II (1/2 AP Calculus BC, Multivariable Calculus & Linear Algebra)	AP Seminar
AP Art History	AP Research
	AP Macro Economics
	AP Spanish Language

2022-2023 AP Statistics



DUAL ENROLLMENT PARTNERS

- Clayton State University
- Georgia Piedmont Technical College
- Georgia Military College
- Middle Georgia State University
- Point University

MAGNET ACADEMIC ELECTIVES

Magnet Microbiology & Botany	Magnet Organic Chemistry
Magnet Engineering Concepts	History of English
Magnet Engineering Applications	Magnet Advanced Finite Math
Magnet Oceanography	Intro to Business and Technology
Magnet Scientific Internship (12th Grade Only)	SAT Math Support

RMSST SCIENTIFIC INTERNSHIP

Senior students are provided 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 work-related project, 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 two or three days per week as special assistants to senior officials in the fields of medicine, engineering, technology, mathematics, and criminal justice. The program blends the theoretical and the practical, combining the best elements of classroom analysis with actual on-site work experience.

ADVANCED ACADEMIC PATHWAYS

Students will complete Georgia Department of Education's Advanced Academic pathways in Math and Science. RMSST graduation requirements include 1 AP Math and 2 AP Sciences at minimum. Completion of Advanced Academic pathways prepare students for career opportunities that will lead to multiple postsecondary options for advanced studies and skills.

MAGNET CO-CURRICULAR ACTIVITIES

Asian American Student Organization	Camera Club
Association of Artists	ESports
Black Stem Student Union	Magnet, Inc.
Book Club and Reading Bowl	Magnet News
Gay Straight Alliance	Magnet Peer Mentors
Green Team	Magnet Peer Tutors
LatinX Student Union	Magnet Student Council
Robotics, Engineering, and Computer Science Team	Magnet The Gathering
Sophisticated Men of Excellence	Model UN
Magnet Ambassador Program	Science Team
Varsity & Junior Varsity Math Team	Speech & Debate Team
Women on the Way to Success	

COMPETITIONS & OPPORTUNITIES

American Mathematics Competition	National Oceans Science Bowl
Rockdale Mathematics Competition	International Students' Science Fair
Atlantic-Pacific Math League Contest	International Science and Engineering Fair
CSSS Student Research Symposium	Envirothon Competition
FIRST Robotics Competition	Young Georgia Authors
Georgia Science and Engineering Fair	ZERO Robotics Competition
Georgia Junior Science and Humanities Symposium (GJSHS)	
Georgia Tech K12 Inventure Prize	
Regeneron Science Talent Search	
Regional Science and Engineering Fair	

COVID-19 STATEMENT

For the 2019-2020 school year, Rockdale County Public Schools pivoted to remote learning. Students' grades were not negatively impacted. Students started virtual school March 16th with the grade they had earned up to that point. All work submitted by students was graded and included in the grade book, with the exception of zeros. For the 2020-2021 school year, we continued operating virtually with a synchronous school day. Grading and attendance resumed as if we were face-to-face. Students had full schedules and were required to log in to all classes. Extra-curricular activities were offered virtually and students actively participated. Starting the 2021-2022 school year, all in person instruction and activities have resumed.

CLASS OF 23 seniors

COLLEGE ACCEPTANCES

* An asterisk indicates a college or university that a student of RMSST's Class of 2023 will matriculate Fall 2023.

Agnes Scott College
 Alabama A&M University
 Alabama State University
 Albany State University
 Auburn University
Augusta University*
 Barry University
 Boston College
 Boston University
 Brandeis University
Brown University*
 Clark Atlanta University
 Clark University
Clayton State University*
 Clemson University
College of Coastal Georgia *
Columbia University*
 Cornell University
 DePaul University
Dillard University*
Embry-Riddle Aeronautical University*
Emory University*
 Emory University-Oxford College
 Fisk University
Florida Agricultural & Mechanical University*
 Florida State University
 Fordham University
 Fort Valley State University
George Mason University*
 Georgia Gwinnett College
Georgia Institute of Technology*
Georgia Southern University*
Georgia State University*
Georgia State University - Perimeter College*
Gwinnett Technical College*
 Hampshire College
Hampton University*
 Howard University
 Jackson State University
 Johnson & Wales University-Charlotte
 Johns Hopkins University
Kennesaw State University*
Louisiana State University*
 Mercer University
Michigan State University*
 Middlebury College
 Missouri Science of Technology
 Morgan State University
 Morehouse College
North Carolina A&T University*
 North Carolina State University
 Northeastern University
 Oberlin College

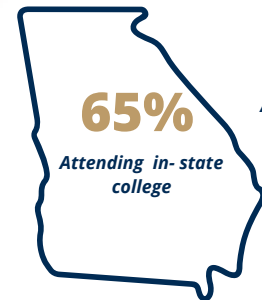
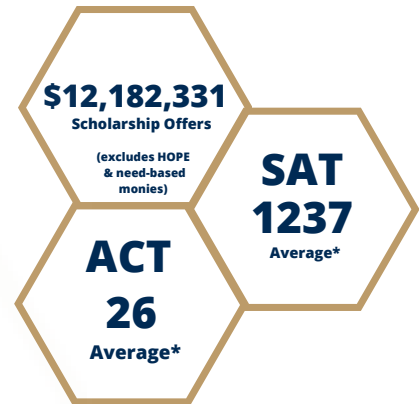
Oglethorpe University*
 Pennsylvania State University
 Point University
 Pomona College
 Prairie View and A&M University
 Rice University
 Roanoke College
 Rochester Institute of Technology
 Rollins College
 Savannah State University
 South Carolina State University
Spelman College*
 Swarthmore College
 Tennessee State University
Tuskegee University*
 The Ohio State University
University of Alabama*
University of Alabama at Birmingham*
 University of California Davis
 University of Central Florida
 University of Florida
University of Georgia*
 University of Hartford
 University of Miami
 University of North Carolina at Asheville
 University of North Carolina at Chapel Hill
University of North Georgia
University of Pennsylvania
 University of Pittsburgh
 University of Richmond
 University of Rochester
 University of South Carolina
 University of South Florida
 University of Toronto Mississauga
 University of Washington at St. Louis
 University of Waterloo
 University of West Georgia
 University of Vermont
 Valdosta State University
Vanderbilt University*
 Virginia Commonwealth University
 Voorhees College
 Wesleyan College
 Western New England University
 Winston-Salem State University
 Wofford College
 Xavier University
Xavier University of Louisiana*
 Yale University

FAST FACTS



Class Size: 65

74% of graduates plan to pursue STEM degrees



NATIONAL HONORS

- 1 National Merit Semifinalist
- 1 International Science and Engineering Fair Finalist
- 1 Questbridge Scholar

