



# Center for Technology & Engineering at Conyers Middle School

400 Sigman Road, Conyers, GA 30012  
770-483-3371 • [www.rockdaleschools.org](http://www.rockdaleschools.org)



**Rockdale County  
Public Schools**

*Specialty & Choice Options*

## Overview of Programs

The Center for Technology and Engineering, (CTE) at Conyers Middle School (CMS) has developed since 2015 a comprehensive and unique approach to educational pathways for students by offering advanced abilities and outcomes in Science, Technology, Arts, Engineering, and Mathematics. Innovative and rigorous academic instruction by specially trained and certified teachers, all of whom have an industry background and are subject matter experts in their respective fields, drives teaching and learning.

## Aerospace Engineering

The Center for Technology and Engineering includes as its lead specialty the **Aerospace Engineering Specialty Choice Option** which provides a clear educational and career pathway for students starting in the 6th grade.



The program provides enhanced opportunities for the inquisitive student who is looking for an adventure in exploration and discovery. Students have numerous opportunities to gain exposure to today's innovations through a customized DOE approved curriculum. Students enjoy opportunities to participate in a variety of field trips and learning activities to keep them challenged and inspired.

Specifically, the Aerospace Engineering program is designed to help students build a strong knowledge base and develop skills related to the aerospace sector including local and federal safety issues, aerospace careers, transportation components, tools and equipment, current and alternative fuel sources, oral and written communication, and related physical science principles. (See [www.cmsaerospace.com](http://www.cmsaerospace.com))

Students are exposed to Flight using two existing state-of-the-art Redbird TD2 FAA approved flight simulators and a 25 seat Microsoft Flight Simulator Lab with joystick flight controls. Using this exciting technology, students can select their own missions and aircraft types to work at their own pace in a student centered, student driven curriculum.



In addition, a new Drone Flight Lab is in operation with over 25 state-of-the-art drones and controllers. This new curriculum teaches students the basics of drone flight, adherence to FAA regulations, and the requirements to obtain a commercial FAA Drone Pilot License.

Through a school hosted Civil Air Patrol Squadron (membership is voluntary), students may choose to participate in up to ten actual airplane flights to increase their understanding. Other enrichment activities include field trips to visit our partners such as Delta Airlines and Middle Georgia State College. In addition, Aerospace Engineering students may attend the Delta Airlines sponsored National Flight Academy in Pensacola, FL, each summer.



### CTE Sponsors and Partners-In-Education:



**Middle Georgia  
State University**



## Application, Eligibility, and Lottery

RCPS will use an electronic application process for 2019-20 School Choice programs. **No paper applications will be accepted.** Students may apply for one School Choice program only for the 2019-20 school year.

The application window is November 16 - December 21, 2018. The online application will be available on the district website at: **[www.rockdaleschools.org](http://www.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 standards in ELA, Reading, Math, Science, and Social Studies on the Milestones assessment. If Milestones results are not available, other assessment data may be considered.
- Students must meet the student registration requirements for Rockdale County Public Schools.
- Students and parents must agree to the Choice contract.

## 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.

Email:  
[rcpsinfo@rockdale.k12.ga.us](mailto:rcpsinfo@rockdale.k12.ga.us)



# Center for Technology & Engineering at Conyers Middle School



## A Message from the Principal

Welcome to the Center for Technology & Engineering (CTE), a strong community of learners.

The world is ever evolving and the employment competition is far-reaching. Conyers Middle School is positioned and prepared to assure that our learners are able to advance in a world of careers awaiting to be created. In fact, our students will create careers yet to be imagined! In both theory and practice, the future of our country depends on the students of today. Our vision begins with our students. Through an intentional lifeline connection with our district strategic plan which serves as the heartbeat of our mission and as the compass for our direction, the CTE boasts amazing academies staffed with highly qualified and industry certified educators and a comprehensive curriculum.

Situated on the beautiful campus of Conyers Middle School in the heart of Conyers, Georgia, the Center for Technology & Engineering, a renovated and reimagined facility, is a platform of opportunity built around one common purpose, your child's success. The CTE fosters an environment focused on innovation, technology, and engineering. Working independently and in collaborative teams, students will complete rigorous, real-world assignments and projects that prepare them for post-secondary ambitions. Elective courses will include computer science and engineering design. Hallmarks of the CTE are a competitive robotics programs and NASA Explorer School partnership. Under the pillars of student leadership and governance, we will develop college and career-ready, global learners who will use industry-leading technology to solve problems while gaining skills in communication, collaboration, critical-thinking, and creativity.

As an investor in learning, we invite you to partner with us and share your time, talent, and resources to assist us as we work together to realize Dr. Seuss' vision of "Oh, the places they can go!" The Center is a place of active learning, where all stakeholders work together to encourage students to become enthusiastic lifelong learners who daily model our belief that Excellence is the standard.

Come grow with us as we engineer excellence.

*Dr. De'borah D. Reese*  
Principal



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## CMS Accolades

Lighthouse School to Watch  
NASA Explorer School

## Exploratory and Extracurricular Activities

Odyssey of the Mind  
4-H Club  
Civil Air Patrol  
Chess Club  
Drama Club  
Interact Club  
Intramurals  
National Junior Beta Club  
National Junior Honor Society  
Robotics Club  
Science Olympiad  
Student Council  
Technology Student Association  
(TSA)  
Yearbook Club

## Additional Academic Services

AVID (Advancement Via  
Individual Determination)  
Program Challenge

