



# Center for Technology & Engineering at Conyers Middle School

400 Sigman Road, Conyers, GA 30012 • 770-483-3371 • [www.rockdale.k12.ga.us](http://www.rockdale.k12.ga.us)



*Specialty & Choice Options*



## Overview of Programs

The Center for Technology and Engineering will offer a three-year program for middle school students with advanced abilities and outcomes in science, technology, engineering, arts, and mathematics. Our specialty focus is Aerospace Engineering. This is a natural fit as Conyers Middle School has been recognized in the past for being a NASA Explorer School. We began many years ago with innovative programs involving students and faculty engaging in NASA science activities and even live communication with astronauts on the International Space Station in space!

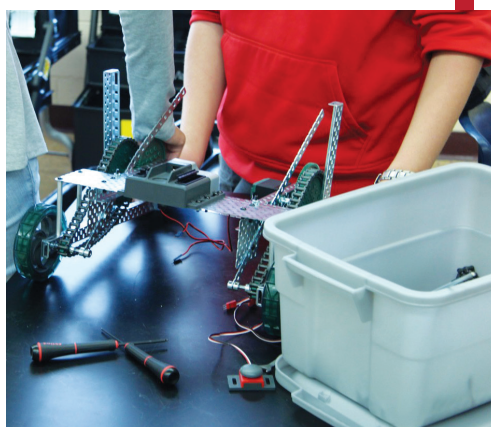
### Aerospace Engineering

This program will provide accelerated and enhanced opportunities for the inquisitive student who is looking for an adventure in exploration and discovery. Learning takes place through cooperative learning, inquiry process learning, problem solving and integrated units. This interdisciplinary, thematic curriculum is designed for the student who has an affinity for investigation and challenges. Students practice the skills of observation, experimentation, inference, prediction and measurement through hands-on laboratory experiences, and research in the technology and engineering industries through on-site experiences.

Students will have more opportunities to gain exposure to today's cutting-edge innovations through guest experts and customized curriculum. Students will also enjoy opportunities to interact with like-minded students and participate in a variety of competitions and learning activities to keep them challenged and inspired. The curriculum will focus on problem solving rather than isolating various subjects, which will allow students to gain better understanding of how math and science relate in career paths.

Specifically, the Aerospace Engineering program is designed to help students build a strong knowledge base and develop skills related to logistics in the Aerospace sector. Tasks to be taught include knowledge of local and federal safety issues, careers, transportation components, tools and equipment, current and alternative fuel sources, oral and written communication and related physical science principles.

Mastery of these standards will help prepare students to have a competitive edge for careers involving engineering, flight, airlines, airports, space travel and a multitude of other careers requiring technical, logistical and problem solving skills. The curricula also provides students with significant and meaningful opportunities to conduct investigations, gather and use information, and solve problems using scientific methods of thinking and technology as tools. Engaging students in these practices helps them develop a deep understanding of the world around them.



## Application, Eligibility, and Lottery

RCPS will use an electronic application process for 2016-17 School Choice programs. **No paper applications will be accepted.** Students may apply for one School Choice program only for the 2016-17 school year.

The application window is December 1- 18, 2015. The online application will be available on the district website at:  
**[www.rockdale.k12.ga.us](http://www.rockdale.k12.ga.us)**

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.
- Students must meet the student registration requirement 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.

# 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.

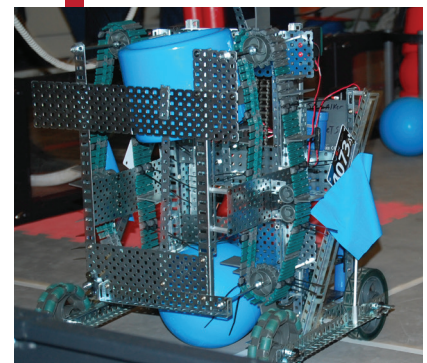
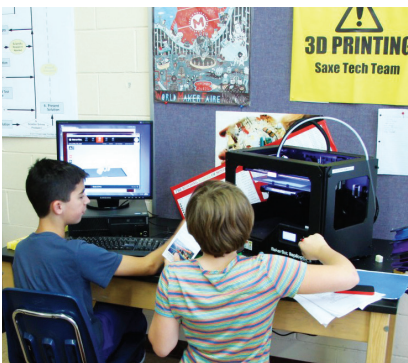
The world is ever evolving and the employment competition is far-reaching. Conyers Middle School is positioned and prepared to assure that our learners are able to advance in a world of careers awaiting to be created. In fact, our students will create careers yet to be imagined! In both theory and practice, 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...

Allison Barbour



## 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