STEAM Academy
Science Technology Engineering Art Math
at Shoal Creek Elementary

Rockdale County Public Schools

RCPS

Specialty & Choice Options

1300 McWilliams Road, Conyers, GA 30094 • 770-929-1430 • www.rockdale.k12.ga.us

Program Overview

The Academy for Science, Technology, Engineering, Arts, and Math (STEAM) develops integrated hands-on inquiry based instruction through a myriad of real-world learning opportunities designed to increase critical thinking skills to prepare students for future college and career endeavors. Science and Technology are understood as the basis of what the world has to go forward with, to be analyzed and developed through Engineering and the Arts, with the knowledge that everything is based in elements of Mathematics. The Common Core Georgia Performance Standards and the STEAM framework co-support each other under a formal educational structure of how science, technology, engineering, mathematics and the broad spectrum of the arts all relate to each another in reality. This framework not only includes the art of aesthetics and design, but also the art divisions of the liberal, language, musical, physical and manual. The STEAM structure explains how all the divisions of education and life work together, therefore it offers a formal place in the STEM structure for the Language Arts, Social Studies, and the purposeful integration of the exploratory subjects including; the Arts, Music, and Physical Education divisions of public education. STEAM promotes deeper understanding and transference of knowledge across the subjects.

S - T - E - M with the A includes:

• sharing knowledge with communication and language arts, "voice" – impact, power, legacy
• a working knowledge of manual and physical arts, including how-to and fitness
• better understanding the past and present cultures and aesthetics through the fine arts
• rhythmic and emotional use of math with the musical arts
• understanding sociological developments, human nature and ethics with the liberal arts

Science | Technology | Engineering | Arts | Mathematics

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Components for Student Success

Through the S.T.E.A.M. program students will hone their critical analysis, problem solving and higher order thinking skills through real world concepts. S.T.E.A.M. instruction will promote a deeper understanding of subject matter, inspire creativity and innovation. In addition our students will further develop interpersonal communication and collaboration skills, as well as an insightful understanding of societies and cultures.

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**

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.

STEAM Academy at Shoal Creek Elementary

A Message from the Principal

Welcome to Shoal Creek Elementary where we are moving Full STEAM Ahead!

Our staff is committed to working with students and their families as a team. The rigorous curriculum is directly aligned to the Common Core Georgia Performance Standards. To help each child achieve to his/her fullest potential, the school provides both enrichment and intervention supports for students. We believe in knowing each child by "name and need."

STEAM is a framework for teaching across the disciplines. STEAM Education aims to bring functional literacy to all. It promotes bridging the gap between business and educational goals to create a more productive and sustainable global culture based on teamwork. This educational framework is for all disciplines and types of learners with the goal of being more engaging and naturally successful for all members of any educational system. The philosophy of STEAM revolves around the concept that:
STEAM = Science & Technology interpreted through Engineering & the Arts, all based in Mathematical elements. Our students will be exposed to STEAM elements and vocabulary.

At Shoal Creek Elementary there are a myriad of opportunities for parents to be involved. Research shows that parental involvement in a child's education benefits the child. These benefits are higher levels of academic achievement, positive attitudes, and greater maturity and responsibility. Because the benefits are so solid, I urge you to take part as much as possible in the life of our school. It does take an entire village to raise a child. Your assistance as a volunteer would be extremely valuable to our students. Consider becoming a school volunteer. There are many areas where your help would be appreciated.

We invite you to be our partner in education as we explore the world of STEAM together!

Educationally yours,

Tiwon U. Toney

Extracurricular Activities
Robotics Club
GO Club
Challenge 24 Club
Scrapbooking Club
Running Club
4-H
Chorus
National Junior Beta Club
Shark Watch
Helen Ruffin Reading Bowl
Student Council
Fitness Club
Media/Technology Club
Safety Patrols

Additional Academic Services
Morning Tutorial
Reading and Math Stars
  After School Tutorial
  (R.A.M.S.)
Renaissance Learning:
  Accelerated Math
Study Island