

Academic Highlights

- Engineering STEM Units of Study including robotics
- Red Hawk Café – Cooking & Chemistry Lab
- Quest Science Lab
- Strategic Learning & Advanced Math Lab (SLAM)
- Global Classroom – Virtual Learning Lab
- Math Model Drawing & Problem Solving
- Differentiation K-5
- Gifted Cluster Classrooms



Student Clubs and Programs

- LEGO Robotics Club
- Chess Club
- Technology Fair
- Science Olympiad
- Jr. Beta Club
- Academic Bowl
- Helen Ruffin Reading Bowl
- RedHawk Nation Tribal Program
- Jr. FISH Club
- Student Council

Clark Creek Elementary STEM Academy

Mission Statement

Clark Creek Elementary STEM Academy is dedicated to fostering all students' innate curiosity and joy of discovery by empowering students to be independent problem-solvers with an emphasis on the integration of STEM in collaboration with active parental and community support.

Contact Us

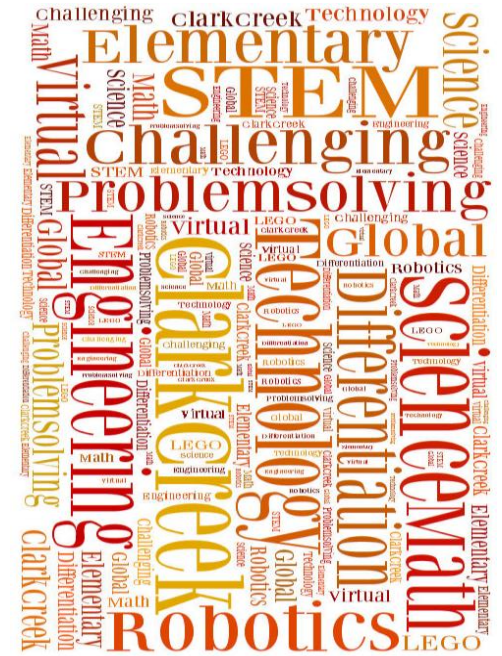
Phone: 770-721-5800
Fax: 770-721-5830
Web Address:
www.cherokee.k12.ga.us/Schools/clarkcreek-es/

CLARK CREEK ELEMENTARY STEM ACADEMY

3218 Hunt Road
Acworth, GA 30102



Dr. Jennifer Scrivner, Principal
Kimberly Knight, Asst. Principal
Melinda Roulier, Asst. Principal



**CLARK CREEK
ELEMENTARY
STEM
ACADEMY**

*Dr. Jennifer Scrivner –
Principal*

What does STEM look like at the elementary school?



What is STEM?

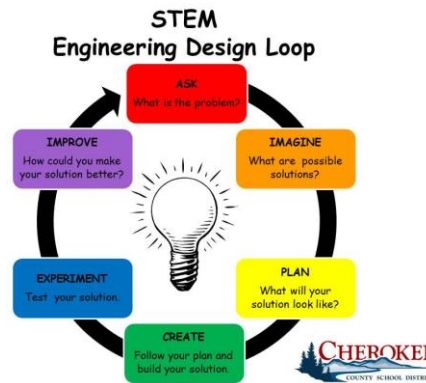
The acronym STEM represents Science, Technology, Engineering, and Math. At the elementary level, students will acquire advanced skills and develop specific interest in STEM content areas to help them flourish as 21st century learners.

The specialized and integrated curriculum provides exposure to STEM as a theme around which to engage all core subjects. At Clark Creek STEM Academy, STEM challenges are designed to be woven throughout the entire curriculum.

“Children must be taught HOW TO THINK, not what to think.” – Margaret Mead

Engineering Design Process

Clark Creek has embraced the Engineering Design Loop as an integral element for teaching problem solving to students preparing for 21st century careers.



Problem solving strategies are the key to successful not only in STEM classes but as a basis to develop critical thinking skills.

At Clark Creek, students from Kindergarten through Fifth Grade have the opportunity to apply the engineering design process (EDP) in all curriculum areas as they become life-long learners.



“The secret of change is to focus all of your energy, not on fighting the old but building the new.” – Socrates

STEM at Clark Creek

All students receive Engineering Lab, Strategic Learning & Advanced Math Lab (SLAM), and Quest Science Lab.

Engineering Lab

The engineering lab offers students the opportunity to create and engineer designs utilizing the LEGO robotics system plus interactive technologies such as Computer Assisted Design (CAD) and 3-D printing.

SLAM Lab

Model drawing math strategies and strategic-learning games are used to make sense of problems and persevere in solving them, such as constructing viable arguments and critiquing the reasoning of others.

Quest Science Lab

Offers students hands-on science lessons and experiments allowing students to dig deep into Common Core Georgia Performance Standards (CCGPS) for Science. The Quest Science Lab allows students to interact with the natural world around them.