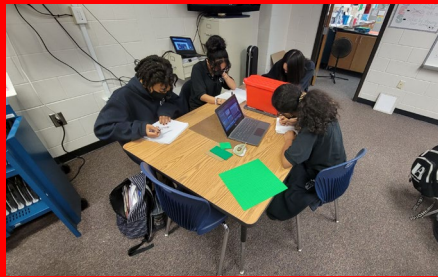


Our Mission

Sweetwater Middle School STEAM Academy's mission is to provide students a rigorous, interdisciplinary learning environment focused on science, technology, engineering, and mathematics, to nurture the joy of discovery, and to promote a collaborative culture of ethical and innovative problem-solving.



“Engineering or technology is all about using the power of science to make life better for people, to reduce cost, to improve comfort, to improve productivity, etc.”

- N.R. Narayana Murthy, IT Industrialist

What the students are saying about the STEAM Program...

“One thing I like the most about the STEAM Program is being able to solve real-world situations with others and be able to present our ideas to the community.”



“I love how we have PBL projects and how we must work in a team for them. There is always a certain topic that is interesting to research more about. STEAM Program allows me to increase my critical thinking skills and ability to work in a team.”



“I like the level of real-life experience being given to us at SMS in the STEAM Program.

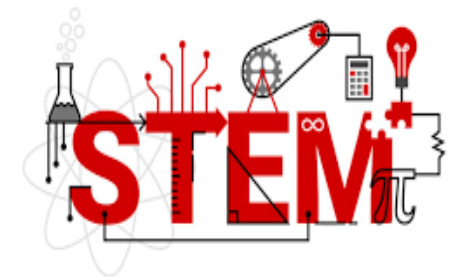
Sweetwater Middle School

3500 Cruse Rd NW,
Lawrenceville, GA 30044

(770) 923-4131

Principal
Dr. Ivelisse Hernandez

This brochure describes the STEAM program at Sweetwater Middle School.





STEAM at Sweetwater

- ❖ Sweetwater offers STEAM Teams for students in grades 6th, 7th and 8th.
- ❖ STEAM Teams use a project-based learning (PBL) instructional approach that integrates Language Arts, Science, Social Studies, and Math via a series of quarterly driving questions.
- ❖ This program aligns with the STEM Program at Berkmar High School. Sweetwater STEM Program is available to students of all abilities, including Gifted, exceptional education, ESOL, and traditional learners.
- ❖ Students utilize collaboration and communication skills and a variety of technologies to solve real-world problems.

Preparing for the Future

- ❖ Focus on Project-Based Learning
- ❖ Integration between all Contents
- ❖ Math & Science Integration
- ❖ Emphasis on 21st Century Skills

Components for Student Success

- ❖ High School Offerings: Spanish, Coordinate Algebra, Physical Science, Personal Fitness and Health.
- ❖ Field Trip Agreements: Fernbank Museum, The High, Stone Mountain Park, Gwinnett Heritage, Georgia Tech, Atlanta Historian Museum, and more
- ❖ Competitions/Challenges: Science Fair, Georgia Tech InVenture, First Lego Robotics and Vex Robotics
- ❖ Project mentors available
- ❖ Exposure to STEM professionals
- ❖ Math enrichment, mentoring, and after-school tutoring.
- ❖ Learning from professionals in the field
- ❖ Hands on learning
- ❖ Industry partnerships



Exploratory, Extracurricular, Additional Academic Services

- ❖ Intramural Volleyball
- ❖ Intramural Basketball
- ❖ First Lego Robotics
- ❖ Vex Robotics
- ❖ Chess Club
- ❖ Cheerleaders
- ❖ Technology Student Association
- ❖ Yearbook



“In the 21st century, scientific and technological innovations have become increasingly important as we face the benefits and challenges of both globalization and a knowledge-based economy. “To succeed in this new information-based and highly technological society, students need to develop their capabilities in STEM to levels much beyond what was considered acceptable in the past.”
- National Science Foundation

