

Bluford STEM Academy

1901 Tuscaloosa Street • Greensboro, NC 27401



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Mission

Integrate science, technology, engineering, mathematics, and the Arts into research-based, rigorous, academic curriculum, with a focus on the whole child.

Vision

Develop well rounded students and staff with character who positively impact their community through service to others.

Bluford STEM Academy prepares scholars to compete in the global economy by equipping them with skills in the disciplines of science, technology, engineering, math, and the arts. Participating in STEAM projects allows them to act as scientists, engineers, and mathematicians who are responsible for designing and conducting research and communicating their results. Scholars create, explore, and analyze the curriculum through the arts.

What We Offer



- Science Lab to extend knowledge through investigations and hands-on phenomena
- Engineering/Technology Lab allows students solve problems using the Engineering Design Process (Ask, Imagine, Plan, Create, Experiment, Improve)
- 1:1 student: device ratio along with interactive projectors or Promethean Boards in every classroom
- Integration of the arts to engage students in all modes of learning in music and art studios universities (NC A&T and Bennett College) to extend and reinforce concepts including interns and student teachers
- Collaboration with local colleges and universities (NC A&T and Bennett College) to extend and reinforce concepts including mentors, interns and student teachers
- Differentiated & personalized small group instruction

Points of Pride



- Enrichment groups (LEGO Robotics, Battle of the Books, Club Golf) to allow students to explore different interests
- Real-world connections to STEM careers integrated into a rigorous academic curriculum
- Supportive and experienced educators
- Host STEM Events including concerts showcasing students' musical and artistic talents, Science Fair, STEM Career Fair, Duke Energy Program, Number Drummers, STEMology Day, Dental Clinic, monthly student attendance incentives, and much more
- Offer in person and virtual field trips & campus visits related to STEM
- Collaboration with community organizations such as the Police Department, local churches, and the Retired Teachers Association

Students in the Program



- Actively engage and participate in rigorous academic content
- Explore STEM careers and interests
- Use problem-solving strategies and effective communication with peers in small groups and classroom instruction