RISE STEM Camp

risestem.org

Group carrying out hydrolysis reaction during RISE camp

Introduction

RISE STEM empowers students from underrepresented communities through hands-on STEM learning. Our first full summer 2025 camp brought innovation, creativity, and mentorship to over 20 students in Atlanta.

Camp Overview

The 2025 RISE STEM Camp took place at the Agape Community Center in Atlanta, where middle school students engaged in four days of hands-on learning. Each day focused on a different branch of engineering paired with real-world applications, STEM career exploration, and an essential scientific concept.

Impact

Each day, we welcomed over 20 enthusiastic middle schoolers from a variety of backgrounds into a space where they explored STEM through hands-on learning. Campers demonstrated their understanding of key concepts, like friction, center of gravity, and lift, through discussions and hand-outs. While no formal survey was conducted, students showed clear growth in confidence, curiosity, and STEM skills throughout the week.

RISE STEM Camp

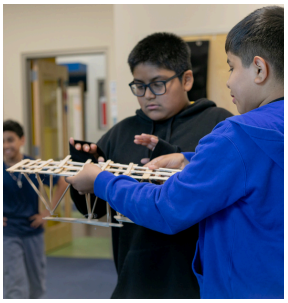
risestem.org

Curriculum

Students explored:

- Civil Engineering through bridge-building challenges, learning about failure points, load distribution, and structural integrity.
- Mechanical Engineering by designing and testing mouse trap cars, gaining insight into energy, friction, and motion.
- Chemical Engineering through interactive experiments, including a water electrolysis activity that introduced hydrolysis, chemical reactions, and sustainability.
- Aerospace Engineering by constructing and launching paper gliders while exploring forces, lift, and flight dynamics.






Partners

Thank you to Agape Youth & Family Center for giving us the opportunity to lead classes in their STEAM room. RISE's work would not be possible without their support!

What's Next?

RISE STEM is just getting started. This fall, we're working on launching an after-school STEM camp to continue supporting hands-on learning and mentorship beyond the summer. We're also planning a series of one-day STEM workshops in to reach even more students with focused, high-energy learning experiences.
In addition, we're excited to being launching RISE Kits: affordable, DIY STEM kits designed to bring engineering challenges directly to students, schools, and community centers.
Interested in partnering with us? Donate, volunteer, or sponsor us at risestem.org!