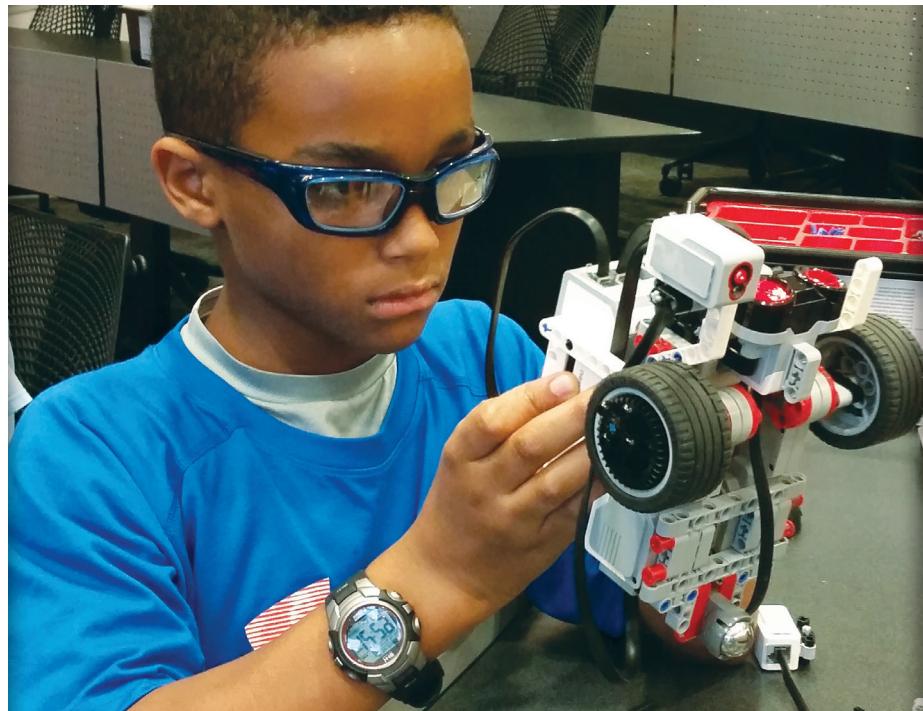


CREATING THE NEXT®

The Center for Education Integrating Science, Mathematics, and Computing (CEISMC) at the Georgia Institute of Technology is creating the next generation of innovators in science, technology, engineering, and mathematics (STEM).

Our goal is to ensure that students throughout Georgia receive the best possible preparation in STEM as they go on to find their place in the world.

Through vibrant sustainable partnerships between Georgia Tech and communities, schools, and businesses throughout Georgia, CEISMC offers K-12 students and their teachers engaging real-world experiences in STEM.



What CEISMC Offers:

- Innovative student enrichment and outreach programs in robotics, engineering, mobile app development, and more to engage students in STEM
- Sustainable partnerships with Georgia Tech researchers and Georgia-based businesses, non-profits, and universities to provide teachers and students with real-world experiences in STEM
- Intensive professional development that empowers teachers with effective STEM education practices to improve instruction in the classroom
- Challenging competitions and special events to stimulate student curiosity in STEM and engage them in authentic design and engineering processes
- Embedded research and evaluation to measure the impact of innovative STEM-focused interventions
- State-of-the-art STEM programs and curricula that are culturally authentic to better engage students from diverse backgrounds

STUDENT PROGRAMS AND OUTREACH

More than 11,000 pre-college STEM students are impacted yearly by CEISMC outreach, after-school programs, and competitions

Through in-school programming, weekend workshops, competitions, and summer programs, CEISMC provides active learning experiences that spark curiosity and enthusiasm for STEM careers and programs of study. High school research internships expose students to the excitement of discovery and problem-solving through teamwork and experimentation.

Through collaborations among Georgia Tech and Georgia public school districts, CEISMC enhances the educational experience of students, especially those who are underserved in STEM education. CEISMC seeks to strengthen the pipeline of students going into post-secondary STEM education.



EDUCATIONAL RESEARCH AND EVALUATION

CEISMC's innovative programming is reaching over 360 STEM teachers in more than 200 schools across the state of Georgia

CEISMC's research and evaluation team utilizes both qualitative and quantitative methods to determine the impact of innovative K-12 curricula and interventions. These evaluations measure student outcomes as well as the impact of professional development to improve teaching and learning.

Research is conducted in authentic and challenging school settings and strives to create and disseminate instructional strategies that effectively engage students from a wide variety of backgrounds in STEM learning.

