



## STEM STEAM IN GEORGIA

The Georgia Department of Education is dedicated to preparing students for 21st Century workplace careers by providing high quality educational opportunities in science, technology, engineering, arts, and mathematics fields.

In Georgia, STEM and STEAM education is an integrated curriculum that is driven by exploratory project-based learning and student-centered development of ideas and solutions.

## PROGRAM HIGHLIGHTS

STEM/STEAM education is a unique approach to teaching and learning that fosters creativity and innovative, inquiry-based thinking in **all** students.

### PROBLEM AND PROJECT BASED LEARNING

Students must be able to apply content from multiple disciplines to answer complex questions and develop solutions to real world problems. Teacher takes on the role of facilitator in the classroom.

### INTEGRATED INSTRUCTION

Students can analyze and articulate interdisciplinary connections that exist within math, science, CTAE, and fine arts content.

### BUSINESS, COLLEGE AND COMMUNITY PARTNERS

Partners are involved in development of curriculum and assist with making connections between classroom teaching and learning and business and industry applications.

### STUDENTS CONDUCT INVESTIGATIVE RESEARCH

Students identify and support claims related to a complex question or real-world problem by supplying relevant data as evidence.

### COLLABORATIVE PLANNING TIME

Time must be allocated for teachers to work collaboratively to plan purposeful, meaningful, and intentional interdisciplinary lessons.

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## CONTACT INFORMATION

### STATEWIDE STEM/STEAM PROGRAM SPECIALISTS

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### SW GEORGIA STEM/STEAM PROGRAM SPECIALIST

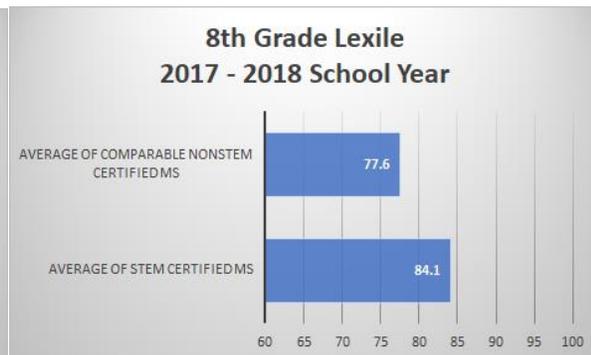
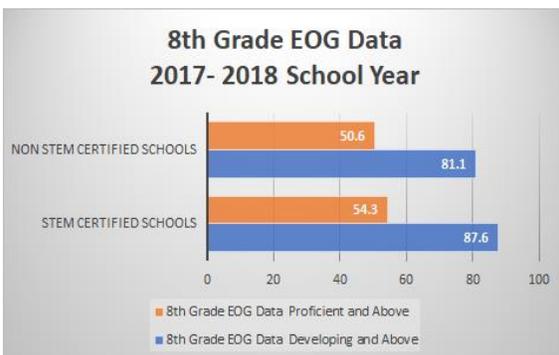
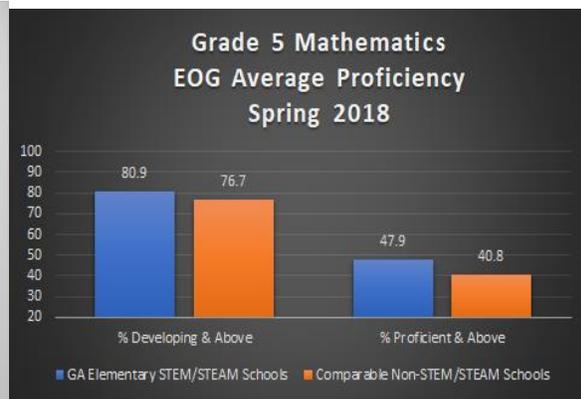
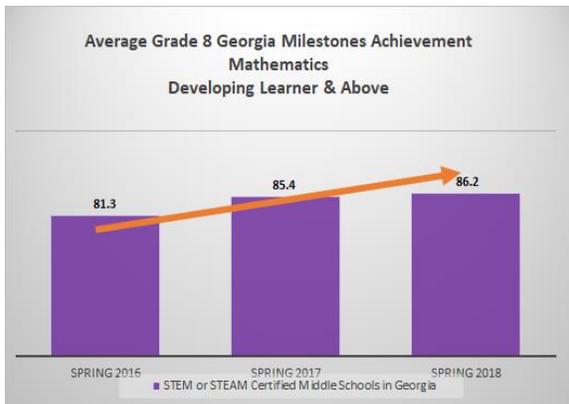
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## RURAL GEORGIA INITIATIVE

As part of The Georgia Department of Education’s Partnership for Rural Growth two STEM/STEAM program specialists have been added to support the school districts of southeast Georgia (First District RESA) and southwest Georgia (SW Georgia RESA) who desire to grow their STEM / STEAM opportunities for students. Allyson Morgan and Rontra Brown assist rural districts in expanding and improving STEM and STEAM and guide districts about how to utilize Title IV; Part A funding to support their needs while working toward their STEM or STEAM goals.

## DATA SUPPORTS STEM / STEAM PEDAGOGY



## CERTIFIED SCHOOLS

44 Elementary Schools, 14 Middle Schools, and 14 High Schools

To see a list of certified schools, visit [STEMGeorgia.org](http://STEMGeorgia.org) and click Certified Schools under the Certification tab.

## PROFESSIONAL LEARNING OPPORTUNITIES

STEM / STEAM Forum in Athens, Georgia, October 20<sup>th</sup> – 22<sup>nd</sup>

STEM / STEAM Leadership Cohort

Summer Teacher Academies

Information on all opportunities can be found at [STEMGeorgia.org/professional-development](http://STEMGeorgia.org/professional-development)