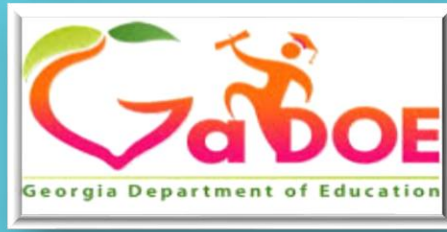
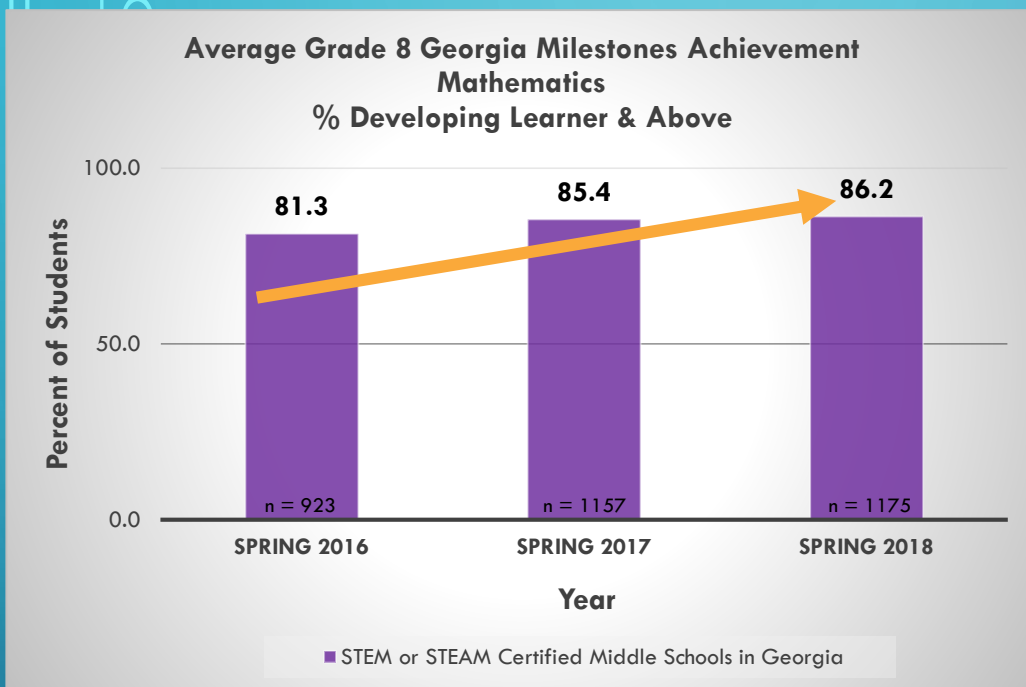


# Implementation of STEM/STEAM in GEORGIA shows PROMISING RESULTS

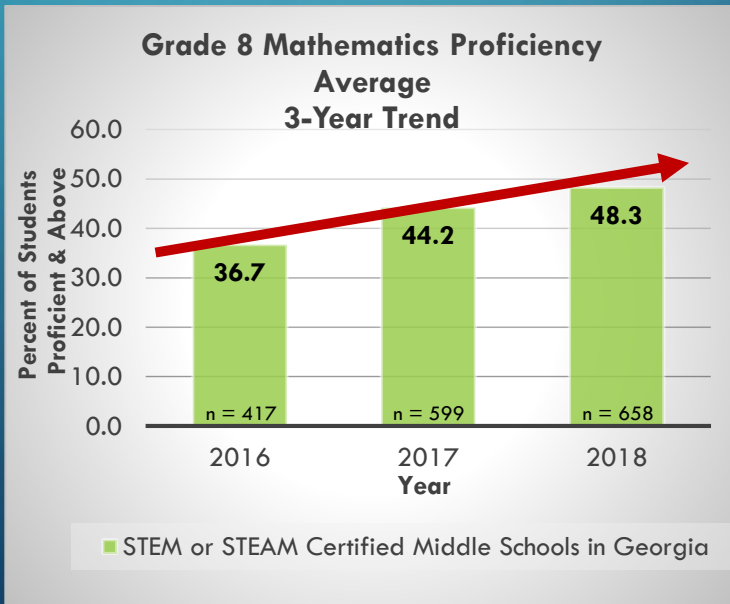


[WWW.STEMGEORGIA.ORG](http://WWW.STEMGEORGIA.ORG)



Georgia middle schools holding GaDOE school-wide STEM or STEAM certification show positive gains in mathematics achievement with an increase in the percentage of developing learners and above over a three-year trend.

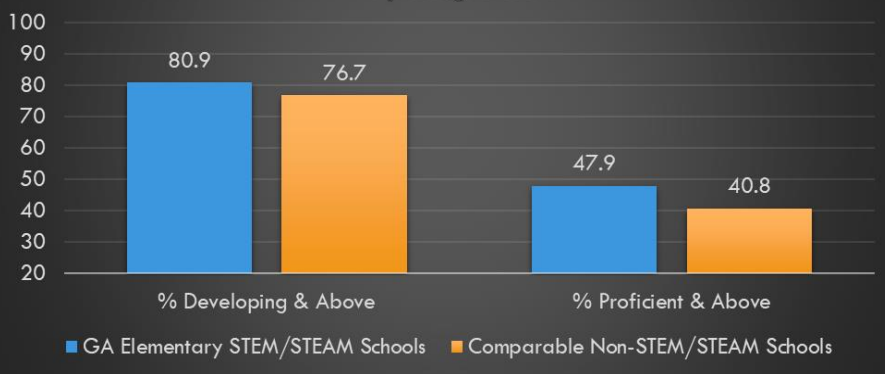
Georgia middle schools holding GaDOE school-wide STEM or STEAM certification show positive gains in mathematics proficiency on the Georgia Milestones EOG over a three-year trend.



Six middle schools in Georgia currently hold GaDOE STEM or STEAM school-wide certification (Amana Academy, Coleman Middle, Marietta Middle, Marietta 6<sup>th</sup> Grade Academy, The STEM Academy at Bartlett, and Thomson Middle).



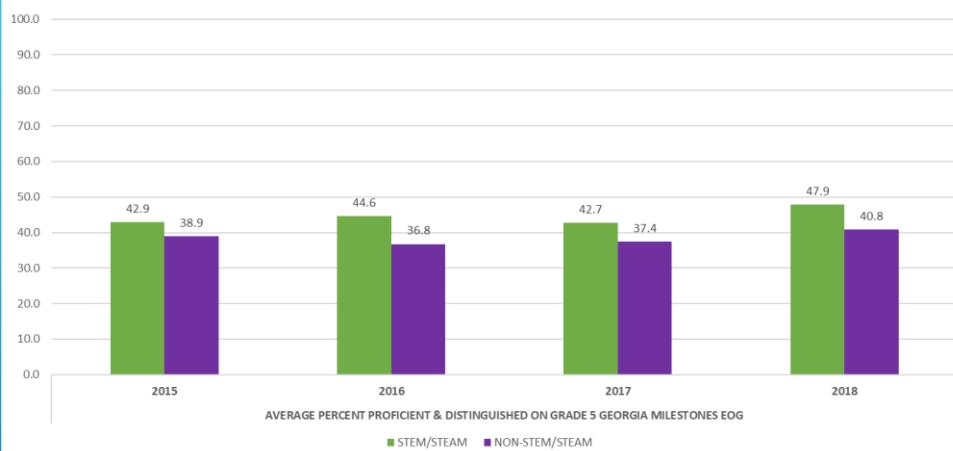
### Grade 5 Mathematics EOG Average Proficiency Spring 2018



- Anecdotal evidence has shown that when schools transform their learning cultures to STEM or STEAM learning environments by implementing best practices in transdisciplinary teaching and learning, students benefit greatly and student learning increases.

- Students who attend GaDOE-certified STEM or STEAM schools tend to perform higher in mathematics compared to their peers in non-STEM/STEAM comparison schools based on in-depth analysis of Georgia Milestones EOG data for grades 5 and 8.

### A COMPARISON OF GRADE 5 MATHEMATICS ACHIEVEMENT BETWEEN GEORGIA STEM/STEAM SCHOOLS AND NON-STEM/STEAM COMPARABLE SCHOOLS



- 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.



- Quality STEM education is critical for students to be scientifically and technologically literate and prepared for the competitive global market.