



STEM/STEAM in Georgia

STEM / STEAM is much more than an acronym for the five subject areas of science, technology, engineering, arts, and mathematics. STEM / STEAM education is a transformative approach to traditional teaching and learning that fosters creativity and innovative thinking in all students.

Not only does STEM / STEAM education make school more engaging, but it also builds skills required for college, career, and the 21st century.

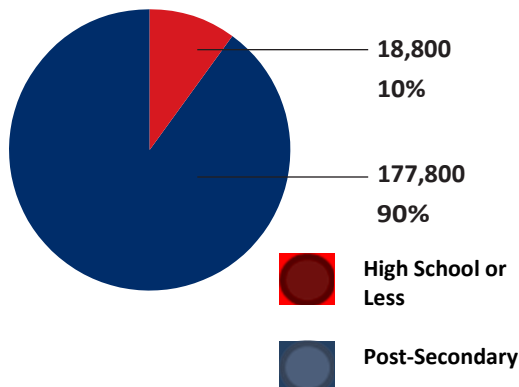
- 57 percent represents the average percent of increase in Georgia STEM/STEAM certified schools per year.
- More than 70 city and county school systems have at least one school achieving or working towards STEM/STEAM Certification or Recertification.
- Roughly 58% of participating students in STEM/STEAM certified schools are female.
- Roughly 37% of participating students in STEM/STEAM certified schools identify as a minority student.
- Each certified STEM/STEAM school has a significant group of local business partners and industry representatives working with students in their classrooms.

Number of STEM/STEAM Certified Schools in Georgia (2018)		
School Year	Number of Schools	Percent of Increase
2011-2012	6	n/a
2012-2013	9	50%
2013-2014	10	11%
2014-2015	27	170%
2015-2016	40	48%
2016-2017	56	40%
2017-2018	68	21%
Average Percent of Increase		57%
Percent Increase from 2012 to 2018		1033%

Occupational Distribution of STEM Jobs				
ARCHITECTS, SURVEYORS, & TECHNICIANS	COMPUTERS* MATHEMATICIANS	ENGINEERS & TECHNICIANS	LIFE & PHYSICAL SCIENTISTS	
15,560	112,170	5,910	48,500	14,510
8%	57%	3%	25%	7%

*Computer Technicians, Programmers, and Scientists

Percent of State's Jobs that will be in STEM, by educational attainment					
HIGH SCHOOL OR LESS	SOME COLLEGE	ASSOCIATE'S	BACHELOR'S	MASTER'S	PHD
1%	5%	3%	9%	9%	10%



- STEM jobs will be 4 percent of all jobs in Georgia in 2018.
- 57 percent of STEM jobs in Georgia will be in Computer Occupations by 2018.
- 90 percent of these jobs will require postsecondary education and training by 2018.
- 11 percent of all MA jobs and 10 percent of all PhD jobs in Georgia will be in a STEM field by 2018.



Building, Empowering, Inspiring Georgia's Future