

The State of STEM in Your State – 2017



ALABAMA STATE REPORT

The average STEM score for Alabama's graduating class of 2017 was **19.1**.

Percentage of all Alabama ACT-tested HS Graduates Meeting ACT College Readiness Benchmarks by Subject

	Math	Science	STEM
Met Benchmark	23%	25%	11%
Within 1-2 Points of Benchmark	7%	14%	7%

Alabama College Readiness Benchmark Percentages by Race/Ethnicity

Race	Math	Science	STEM
2 or More Races	24%	28%	11%
White	32%	34%	15%
Pacific Islander	20%	18%	14%
Hispanic	17%	17%	6%
Asian	67%	53%	40%
Native American	13%	13%	5%
Black	6%	7%	2%

The data in this report represent all ACT-tested students in Alabama's 2017 graduating class.

Tomorrow's STEM Workforce in Alabama

29,752 Alabama students, or 52%, had an interest in STEM, but only 8,881 (15%) had **both** an expressed interest (they plan to pursue a STEM major or career) and a measured interest (their ACT Interest Inventory score pointed to a STEM field).

Alabama's future STEM educator pipeline may be in danger—only 115 students planned to enter math education, and only 45 science education.

ALABAMA STEM STUDENT PROFILE

Walter Livingston

Fayetteville High School, *class of 2018*

In what grade did you first become interested in a STEM field?

Fourth Grade

What sparked your interest in STEM?

I started watching the NASA channel when we got our new house in fourth grade. The idea of space was amazing but I wanted to know how all the stars and rockets and nebulae worked and were made.

How do you picture your future, in higher education and career?

I picture myself being a Doctor of Theoretical Physics, doing research and development for either a company or university.

What challenges do STEM students face when following through with their interest in STEM fields?

When pursuing a STEM career, you have to go ahead and accept the fact you are going to be in school for forever and you're going to spend a pretty penny on it. To do anything with a career like this, you have to at least have your master's degree.



ACT thanks STEMPremier for sharing student STEM profiles for this report.

