

The State of STEM in Your State – 2017



MARYLAND STATE REPORT

The average STEM score for Maryland's graduating class of 2017 was **23.4**.

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

	Math	Science	STEM
Met Benchmark	59%	54%	36%
Within 1-2 Points of Benchmark	7%	13%	13%

Maryland College Readiness Benchmark Percentages by Race/Ethnicity

Race	Math	Science	STEM
2 or More Races	58%	55%	36%
White	74%	68%	47%
Pacific Islander	65%	65%	40%
Hispanic	46%	42%	23%
Asian	83%	73%	61%
Native American	39%	36%	9%
Black	24%	20%	8%

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

Tomorrow's STEM Workforce in Maryland

8,978 Maryland students, or 52%, had an interest in STEM, but only 3,579 (21%) 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).

Maryland's future STEM educator pipeline may be in danger—only 24 students planned to enter math education, and only 11 science education.

MARYLAND STEM STUDENT PROFILE

Annika Ricci

Northwood High School, *class of 2018*

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

First grade

What sparked your interest in STEM?

Growing up, I was always exposed to science fiction, watching Star Wars and Star Trek, which has the character that is my namesake. I loved the idea of traveling through space, and since we don't currently have spaceships, I wanted to build them.



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

Working towards environmental protection and fighting human-made climate change, either as a biological or environmental engineer.

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

I think one of the biggest challenges is realizing that you're not the only scientifically inclined student at your school. For some it can be weird to go from the person giving aid to the one needing it.

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

