

The State of STEM in Your State – 2017



PENNSYLVANIA STATE REPORT

The average STEM score for Pennsylvania's graduating class of 2017 was **23.6**.

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

	Math	Science	STEM
Met Benchmark	62%	55%	36%
Within 1-2 Points of Benchmark	8%	15%	15%

Pennsylvania College Readiness Benchmark Percentages by Race/Ethnicity

Race	Math	Science	STEM
2 or More Races	53%	48%	32%
White	67%	60%	39%
Pacific Islander	64%	59%	41%
Hispanic	47%	39%	24%
Asian	80%	64%	54%
Native American	24%	33%	12%
Black	20%	14%	6%

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

Tomorrow's STEM Workforce in Pennsylvania

16,924 Pennsylvania students, or 55%, had an interest in STEM, but only 7,480 (24%) 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).

Pennsylvania's future STEM educator pipeline may be in danger—only 61 students planned to enter math education, and only 22 science education.

PENNSYLVANIA STEM STUDENT PROFILE

Noah Mazur

Norwin High School, *class of 2018*

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

Fifth Grade

What sparked your interest in STEM?

As an elementary school student, I would wake up early before school to record the statistics from the previous night's Pittsburgh Penguins game. Since then, my passion for statistics, facts, and logic has expanded into the classroom and hopefully a career

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

I see myself pursuing a career in actuarial science, finance, or data science. My dream has always been to combine my interests into a career as a General Manager of a professional sports team.

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

When pursuing interests in STEM, students often neglect the importance of being well-rounded, specifically in communication. Oftentimes, students overlook the relevance of reading and writing skills for successful collaboration within STEM fields.

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

