NEW YORK STATE REPORT

The average STEM score for New York's graduating class of 2017 was **24.2**.

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

	Math	Science	STEM
Met Benchmark	67%	59%	40%
Within 1-2 Points of Benchmark	8%	14%	15%

New York College Readiness Benchmark Percentages by Race/Ethnicity

Race	Math	Science	STEM
2 or More Races	68%	63%	43%
White	71%	65%	43%
Pacific Islander	59%	50%	32%
Hispanic	49%	42%	23%
Asian	85%	72%	61%
Native American	54%	46%	25%
Black	34%	25%	12%

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

Tomorrow's STEM Workforce in New York

31,280 New York students, or 49%, had an interest in STEM, but only 12,778 (20%) 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).

New York's future STEM educator pipeline may be in danger—only 132 students planned to enter math education, and only 81 science education.

NEW YORK STEM STUDENT PROFILE

Alex Koziol

Webb Institute, *class of 2021*

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

Second Grade

What sparked your interest in STEM?

My grandma, who worked for NASA Glenn in Cleveland, often took me on tours of the facilities and let me meet scientists and engineers. I have journal entries from when I was very young detailing my plans to become either an engineer or astrobiologist.

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

Engineering in the naval field

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

I'm worried by the lack of diversity in many STEM fields. Whatever challenges students face on their path towards success, as social groups become increasingly homogeneous the further they make it, it gets even harder, as they don't feel they belong.

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