



**NEW GILLIBRAND REPORT: OVER ONE-QUARTER OF NY HIGH SCHOOL STUDENTS SCORE POORLY ON MATH AND SCIENCE TESTS**

**NEW YORK JOB GROWTH IN STEM-RELATED FIELDS PROJECTED TO GROW 4% -- OR BY OVER 33,000 JOBS -- BY 2018**

The fastest growing occupations of the last decade required expertise in the fields of science and technology, according to the Bureau of Labor Statistics. But less than one-third of American students are proficient in math and science, according to the National Assessment of Educational Progress. In New York, STEM-related job opportunities are projected to increase by 4 percent by 2018. At the same time, too many of our high school students aren't demonstrating the proficiency they need to be prepared for these jobs of the future. A new Gillibrand report shows that more than one-quarter of New York High school students score poorly on Math and Science Regents examinations.

**County Statistics for New York City:**

From 2008 to 2018, jobs requiring STEM education are expected to grow from 360,858 to 384,308 jobs – by 6.5 percent.

New York City has an average of 55% of high school students who score 65-84% and an average of 21% of high school students who score 85-100% on their Mathematics Regent Exams (Integrated Algebra, Geometry, Algebra & Trigonometry, and Math B.)

New York City has an average of 47% of high school students who score 65-84% and an average of 14% of high school students who score 85-100% on their Science Regent Exams (Earth Science, Living Environment/Biology, Chemistry, and Physics.)

COUNTY	% Students Scoring 65-84% On Math	% Students Scoring 85-100% On Math	% Students Scoring 65-84% On Science	% Students Scoring 85-100% On Science
Bronx	51%	22%	44%	10%
Kings	63%	21%	50%	13%
New York	53%	30%	47%	18%
Queens	48%	14%	49%	13%
Richmond	59%	16%	47%	13%

**County Statistics for Western New York:**

From 2008 to 2018, jobs requiring STEM education are expected to grow from 57,568 to 58,628 jobs – by 2 percent.

Western New York has an average of 59% of high school students who score 65-84% and an average of 18% of high school students who score 85-100% on their Mathematics Regent Exams (Integrated Algebra, Geometry, Algebra & Trigonometry, and Math B.)

Western New York has an average of 50% of high school students who score 65-84% and an average of 34% of high school students who score 85-100% on their Science Regent Exams (Earth Science, Living Environment/Biology, Chemistry, and Physics.)

COUNTY	% Students Scoring 65-84% On Math	% Students Scoring 85-100% On Math	% Students Scoring 65-84% On Science	% Students Scoring 85-100% On Science
Allegany	60%	21%	51%	36%
Cattaraugus	60%	14%	51%	29%
Chautauqua	59%	17%	52%	34%
Erie	48%	26%	45%	33%
Niagara	63%	20%	52%	32%
Wyoming	65%	13%	50%	38%

**County Statistics for Rochester-Finger Lakes Region:**

From 2008 to 2018, jobs requiring STEM education are expected to grow from 58,518 to 59,348 jobs – by 1.4 percent.

The Rochester-Finger Lakes Region has an average of 57% of high school students who score 65-84% and an average of 18% of high school students who score 85-100% on their Mathematics Regent Exams (Integrated Algebra, Geometry, Algebra & Trigonometry, and Math B.)

The Rochester-Finger Lakes Region has an average of 51% of high school students who score 65-84% and an average of 34% of high school students who score 85-100% on their Science Regent Exams (Earth Science, Living Environment/Biology, Chemistry, and Physics.)

COUNTY	% Students Scoring 65-84% On Math	% Students Scoring 85-100% On Math	% Students Scoring 65-84% On Science	% Students Scoring 85-100% On Science
Genesee	49%	11%	50%	38%
Livingston	58%	22%	51%	36%
Monroe	55%	10%	46%	33%
Ontario	56%	27%	50%	38%
Orleans	59%	30%	53%	33%
Seneca	54%	22%	55%	25%
Tompkins	66%	16%	45%	40%
Wayne	59%	8%	53%	31%
Yates	61%	14%	53%	29%

**County Statistics for Central New York:**

From 2008 to 2018, jobs requiring STEM education are expected to grow from 31,148 to 31,998 jobs – by 2.7 percent.

Central New York has an average of 58% of high school students who score 65-84% and an average of 18% of high school students who score 85-100% on their Mathematics Regent Exams (Integrated Algebra, Geometry, Algebra & Trigonometry, and Math B.)

Central New York has an average of 50% of high school students who score 65-84% and an average of 31% of high school students who score 85-100% on their Science Regent Exams (Earth Science, Living Environment/Biology, Chemistry, and Physics.)

COUNTY	% Students Scoring 65-84% On Math	% Students Scoring 85-100% On Math	% Students Scoring 65-84% On Science	% Students Scoring 85-100% On Science
Cayuga	57%	16%	53%	30%
Cortland	60%	25%	53%	34%
Herkimer	60%	14%	50%	28%
Madison	56%	22%	52%	36%
Oneida	47%	21%	51%	32%
Onondaga	57%	20%	38%	24%
Oswego	67%	17%	55%	28%
Otsego	62%	14%	49%	35%

**County Statistics for the Southern Tier:**

From 2008 to 2018, jobs requiring STEM education are expected to grow from 29,758 to 29,928 jobs – by 0.6% percent.

The Southern Tier has an average of 53% of high school students who score 65-84% and an average of 20% of high school students who score 85-100% on their Mathematics Regent Exams (Integrated Algebra, Geometry, Algebra & Trigonometry, and Math B.)

The Southern Tier has an average of 50% of high school students who score 65-84% and an average of 31% of high school students who score 85-100% on their Science Regent Exams (Earth Science, Living Environment/Biology, Chemistry, and Physics.)

COUNTY	% Students Scoring 65-84% On Math	% Students Scoring 85-100% On Math	% Students Scoring 65-84% On Science	% Students Scoring 85-100% On Science
Broome	61%	20%	51%	33%
Chemung	58%	17%	50%	33%
Chenango	37%	19%	53%	35%
Delaware	58%	17%	57%	24%
Schuyler	59%	17%	53%	31%
Steuben	52%	28%	53%	29%
Tioga	60%	17%	54%	29%

**County Statistics for the Capital Region:**

From 2008 to 2018, jobs requiring STEM education are expected to grow from 59,538 to 62,828 jobs – by 5.5 percent.

The Capital Region has an average of 58% of high school students who score 65-84% and an average of 18% of high school students who score 85-100% on their Mathematics Regent Exams (Integrated Algebra, Geometry, Algebra & Trigonometry, and Math B.)

The Capital Region has an average of 51% of high school students who score 65-84% and an average of 31% of high school students who score 85-100% on their Science Regent Exams (Earth Science, Living Environment/Biology, Chemistry, and Physics.)

COUNTY	% Students Scoring 65-84% On Math	% Students Scoring 85-100% On Math	% Students Scoring 65-84% On Science	% Students Scoring 85-100% On Science
Albany	52%	26%	48%	35%
Columbia	60%	21%	52%	27%
Fulton	45%	5%	52%	26%
Greene	59%	20%	48%	30%
Montgomery	60%	15%	51%	28%
Rensselaer	58%	14%	51%	31%
Saratoga	57%	26%	48%	41%
Schenectady	60%	13%	51%	30%
Schoharie	63%	20%	55%	32%
Washington	63%	17%	56%	27%

**County Statistics for the North Country:**

From 2008 to 2018, jobs requiring STEM education are expected to grow from 12,838 to 13,478 jobs – by 5 percent.

The North Country has an average of 56% of high school students who score 65-84% and an average of 20% of high school students who score 85-100% on their Mathematics Regent Exams (Integrated Algebra, Geometry, Algebra & Trigonometry, and Math B.)

The North Country has an average of 55% of high school students who score 65-84% and an average of 29% of high school students who score 85-100% on their Science Regent Exams (Earth Science, Living Environment/Biology, Chemistry, and Physics.)

COUNTY	% Students Scoring 65-84% On Math	% Students Scoring 85-100% On Math	% Students Scoring 65-84% On Science	% Students Scoring 85-100% On Science
Clinton	57%	17%	53%	33%
Essex	49%	21%	53%	30%
Franklin	57%	31%	57%	24%
Hamilton	57%	18%	65%	16%
Jefferson	54%	14%	55%	31%
Lewis	62%	16%	52%	32%
St. Lawrence	59%	15%	52%	34%
Warren	54%	30%	51%	36%

**County Statistics for the Hudson Valley:**

From 2008 to 2018, jobs requiring STEM education are expected to grow from 72,078 to 73,438 jobs – by 1.9 percent.

The Hudson Valley has an average of 60% of high school students who score 65-84% and an average of 14% of high school students who score 85-100% on their Mathematics Regent Exams (Integrated Algebra, Geometry, Algebra & Trigonometry, and Math B.)

The Hudson Valley has an average of 50% of high school students who score 65-84% and an average of 33% of high school students who score 85-100% on their Science Regent Exams (Earth Science, Living Environment/Biology, Chemistry, and Physics.)

COUNTY	% Students Scoring 65-84% On Math	% Students Scoring 85-100% On Math	% Students Scoring 65-84% On Science	% Students Scoring 85-100% On Science
Duchess	61%	21%	50%	33%
Orange	58%	14%	51%	28%
Putnam	60%	6%	49%	40%
Rockland	61%	14%	48%	35%
Sullivan	65%	15%	53%	28%
Ulster	49%	10%	55%	28%
Westchester	65%	22%	45%	36%

**County Statistics for Long Island:**

From 2008 to 2018, jobs requiring STEM education are expected to grow from 100,368 to 103,838 jobs – by 3.5 percent.

Long Island has an average of 62% of high school students who score 65-84% and an average of 22% of high school students who score 85-100% on their Mathematics Regent Exams (Integrated Algebra, Geometry, Algebra & Trigonometry, and Math B.)

Long Island has an average of 46% of high school students who score 65-84% and an average of 40% of high school students who score 85-100% on their Science Regent Exams (Earth Science, Living Environment/Biology, Chemistry, and Physics.)

COUNTY	% Students Scoring 65-84% On Math	% Students Scoring 85-100% On Math	% Students Scoring 65-84% On Science	% Students Scoring 85-100% On Science
Nassau	62%	22%	46%	41%
Suffolk	62%	22%	46%	40%

Source: New York State Department of Education and New York State Department of Labor.