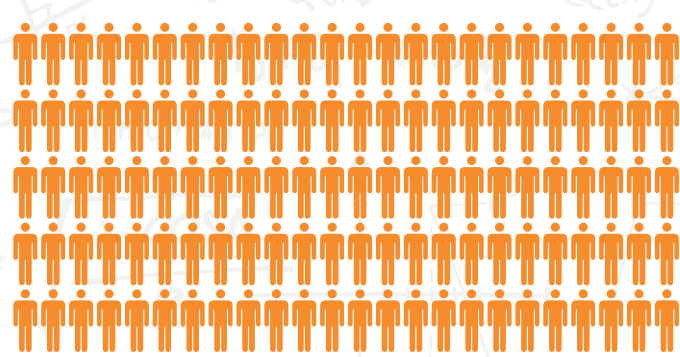


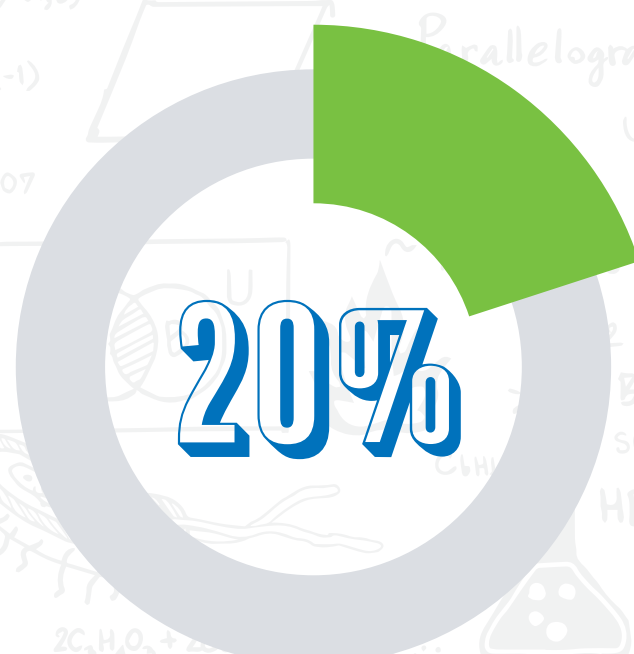
# STEM BY THE NUMBERS

## WE NEED A STEM WORKFORCE

### TODAY

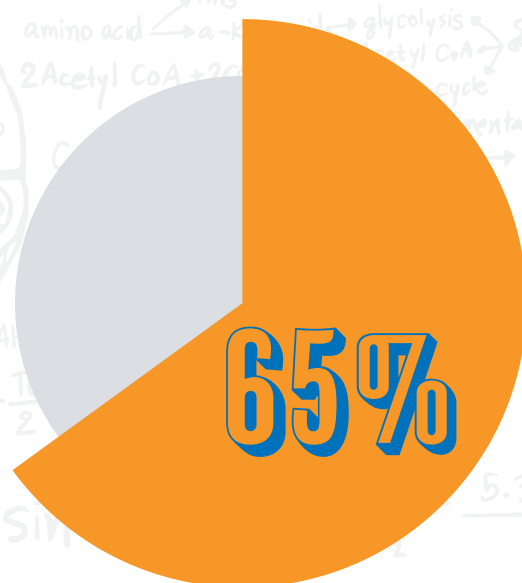


**THERE ARE  
26 MILLION  
STEM JOBS IN  
THE UNITED STATES**<sup>1</sup>



**OF ALL US JOBS ARE  
STEM-BASED JOBS**<sup>2</sup>

### TOMORROW



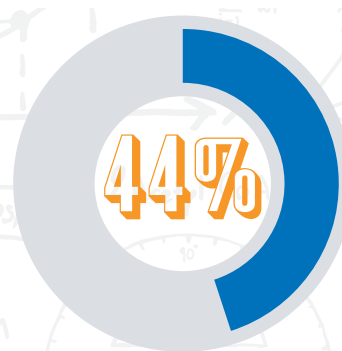
**OF TODAY'S PRIMARY SCHOOL STUDENTS  
WILL BE AT JOBS THAT HAVEN'T BEEN  
INVENTED YET!**<sup>3</sup>



**STEM OCCUPATIONS  
ARE PROJECTED TO  
GROW FASTER THAN  
THE AVERAGE FOR ALL  
OCCUPATIONS—AND  
WAGES IN THESE  
OCCUPATIONS WERE  
GENERALLY HIGHER  
THAN THE MEDIAN FOR  
ALL OCCUPATIONS.**<sup>4</sup>

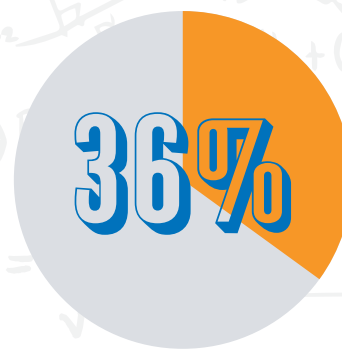
IN MAY 2013

## WE NEED STEM IN EDUCATION



**OF 2013 US HIGH SCHOOL GRADUATES WERE PREPARED  
FOR COLLEGE-LEVEL MATH**

**STUDENTS WHO COMPLETE ALGEBRA II IN HIGH SCHOOL  
ARE 2X MORE  
LIKELY TO COMPLETE A 4-YEAR DEGREE**



**OF 2013 US HIGH SCHOOL GRADUATES WERE PREPARED  
FOR COLLEGE-LEVEL SCIENCE**<sup>5</sup>

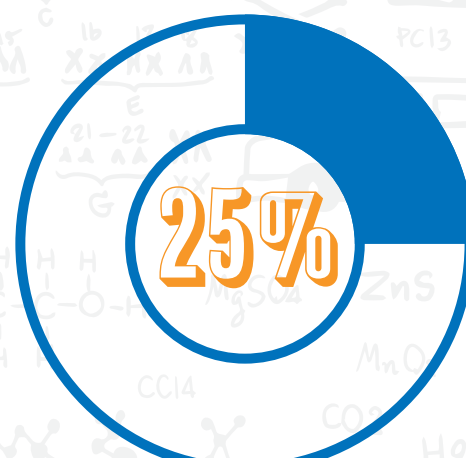
## WE NEED WOMEN IN STEM

The US Dept. of Labor estimates that there will be more than 1.4 million computing-related job openings by 2020. At current rates, however, we can only fill about 30% of those jobs with US computing bachelor's graduates. Girls represent a valuable, mostly untapped talent pool.



**74% OF MIDDLE  
SCHOOL GIRLS EXPRESS  
INTEREST IN STEM  
TOPICS AND CAREERS.  
ONLY 0.4%  
OF HIGH SCHOOL GIRLS  
CHOOSE TO PURSUE  
THEM IN COLLEGE.**<sup>6</sup>

**WOMEN MAKE UP LESS  
THAN**



**OF THE STEM  
WORKFORCE**<sup>7</sup>

<sup>1</sup> <https://www.bls.gov/spotlight/2017/science-technology-engineering-and-mathematics-stem-occupations-past-present-and-future/pdf/science-technology-engineering-and-mathematics-stem-occupations-past-present-and-future.pdf>

<sup>2</sup> <https://www.bls.gov/spotlight/2017/science-technology-engineering-and-mathematics-stem-occupations-past-present-and-future/pdf/science-technology-engineering-and-mathematics-stem-occupations-past-present-and-future.pdf>

<sup>3</sup> <https://www.dol.gov/dol/aboutdol/history/herman/reports/futurework/report.htm>

<sup>4</sup> <https://www.bls.gov/careeroutlook/2014/spring/art01.pdf>

<sup>5</sup> <https://elearninginfographics.com/importance-of-stem-education-infographic/>

<sup>6</sup> <https://ngcproject.org/statistics>

<sup>7</sup> <http://www.esa.doc.gov/sites/default/files/womeninstemmagaptoinnovation8311.pdf>

THE BIG GUIDE TO  
STEM

**LOOKING TO BRING MORE STEM RESOURCES TO  
YOUR SCHOOLS, CLASSROOMS, AND STUDENTS?**

**CHECK OUT OUR EBOOK "THE BIG GUIDE TO STEM"!**