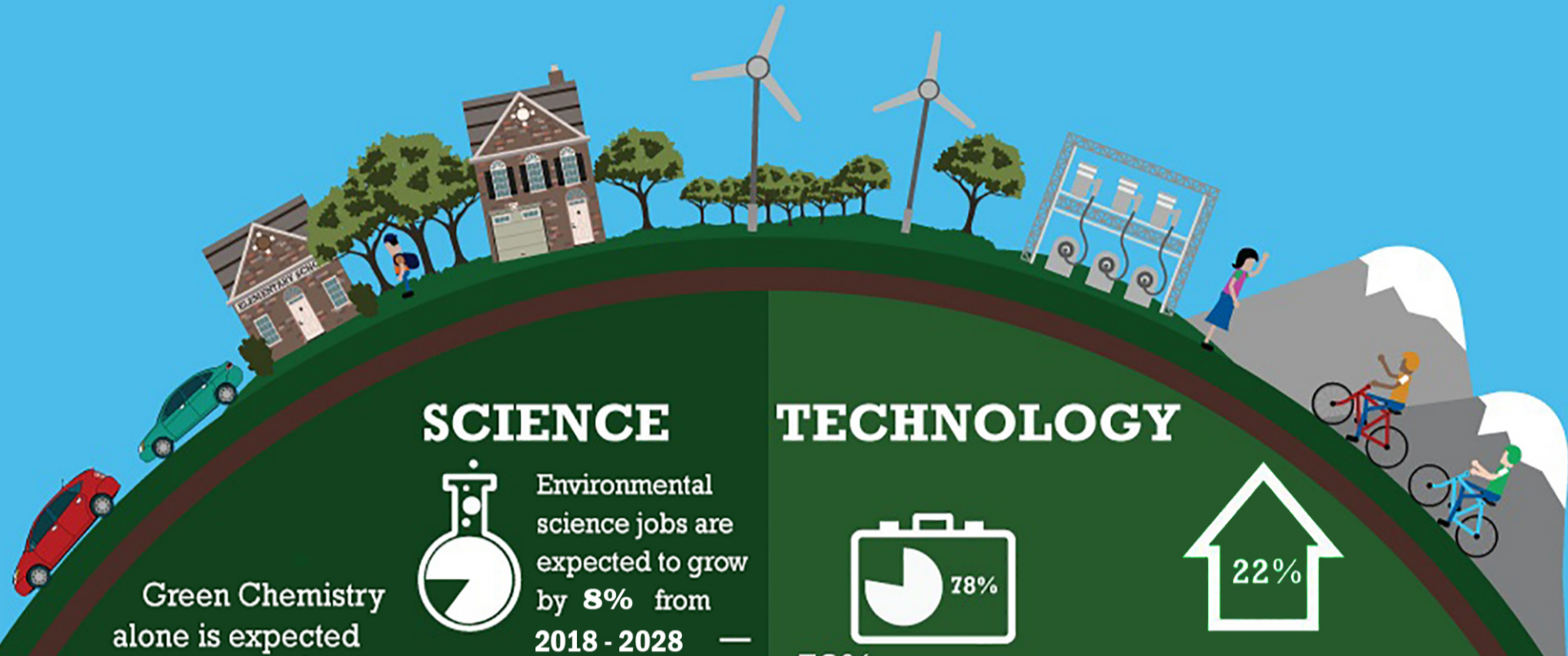




# STEM & Our Planet

The environment is a compelling context for teaching and engaging today's students in science, technology, engineering and math (STEM).



## SCIENCE



Environmental science jobs are expected to grow by **8%** from **2018 - 2028** —

faster than the average for all occupations.

STEM occupations are projected to grow by **8.8%** from 2018-2028 — almost twice the rate of non-STEM occupations.



Only about **1 in 18** workers in America currently are in STEM fields.

Green Chemistry alone is expected to grow from a **\$2.8 billion** industry to about **\$130 billion** by **2025**.

## TECHNOLOGY



**78%** of businesses and organizations believe that the value of job candidates' environmental knowledge will increase in importance as a hiring factor.



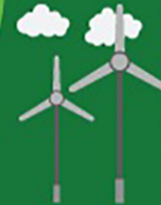
Computer and information research science jobs are projected to grow 22 percent from 2020 to 2030, much faster than the average for all occupations.



About **3.5 million** organizations and businesses now produce or offer green goods or services.

**99%** of kids ages 6-11 believe that it's important to care for the environment.

**92%** of teens are concerned about our environment.



Environmental engineers earn above average salaries, enjoy many opportunities for advancement and have a very low unemployment rate of 0.9%

**95%**

**95%** of STEM college students believe that math/STEM can help prepare students to address the world's toughest problems.

**57%**

**57%** of math/STEM college students say that, before college, a teacher or class got them interested in STEM.



Nearly **4 in 5** STEM students decided to study math/STEM in high school or earlier.



Workers with a STEM background have earned about **29%** more, with engineers earning some of the highest avg. starting salaries for bachelor's degrees.



Civil engineers, who increasingly deal with the environment, have excellent job security.

**28%**

Employment of mathematicians is expected to grow by **28%** between **2014-2024**, much faster than average for all occupations.

## MATH

## ENGINEERING

### Sources:

Boys & Girls Clubs of America  
Bureau of Labor Statistics, U.S. Dept. of Labor  
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Economics and Statistics Administration, U.S. Dept. of Commerce  
Harris Interactive  
US News & World Reports

Kelton Research  
National Center for Women & Information Technology  
NC STEM Community Collaborative  
Pike Research  
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