STEM & Our Planet

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

**SCIENCE**

- Green Chemistry alone is expected to grow from a $2.8 billion industry to about $100 billion by 2020.

- 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.

**TECHNOLOGY**

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

- By 2020, there will be 1.4 million American computing job openings, but only 29% of those are expected to be filled by U.S. graduates.

- 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.

**MATH**

- 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.

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

**ENGINEERING**

- 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.

**Sources:**

- Boys & Girls Clubs of America
- Business & Environment Program of NEEF
- Economics and Statistics Administration, U.S. Dept. of Commerce
- Harris Interactive
- US News & World Reports

Find out more: www.eeweek.org