

Tapping into student interest in science, technology, engineering and math for a greener, more prosperous future.

## use of technology

45%

78%

78% of 12- to 17-year-olds have cell phones, a major jump from 45% in 2004.

More than one third (37%) of 12- to 17-year-olds use a smartphone.

70% of tablet-owning households with children under 12 say kids use the device.

70%

57% said children used tablets to access educational apps.

57%

More than 3 out of 4 teachers believe that using technology in the classroom increases student motivation to learn.

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## learning &amp; the environment

Students in environment-based study schools have scored higher than their traditionally educated peers on standardized test scores in reading, math, language and spelling.

75% of 1,900 surveyed educators said students who spend regular time outdoors tend to be more creative and better able to problem solve in the classroom.

Children who experience the natural world and have opportunities to play and learn within it are more likely to choose science or related fields as careers.

## career pathways

68% of likely college applicants say a college or university's commitment to sustainability would affect their decision to attend.

Environmental education programs increased by 139% at higher education institutions between 2007 and 2012.

## 21st century economy

20.6%

10.1%

Total employment (2008-2018) will increase by 10.1%. STEM jobs will increase by 20.6%.

By 2018, 71% of STEM jobs will be in computing.

71%

Environmental science jobs are expected to grow by 25% by 2016 – the fastest job growth among the sciences.

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

## green tech's impact

95%

95% of STEM college students believe that STEM can help prepare students to become the world's next innovators and address the world's toughest problems.

The top 10 cars for highest fuel economy in 2013 are averaging 104.6 MPGe (miles per gallon equivalent).

About one-quarter of all new construction activity, from retrofits to new buildings, are related to green building.

Approximately 400 billion gallons of water are used in the United States per day.

1.5 trillion (water saved in 2010)

51.4 trillion (water saved by 2040)

Water conservation standards reduced water use by 1.5 trillion gallons in 2010 and will achieve cumulative water savings by 2040 of 51.4 trillion gallons.

There will be 1.09 million cloud-related IT jobs in the U.S. by 2015.

Cloud computing could lead to a 38% reduction in worldwide data center energy use by 2020.

Find out more at [NEEFusa.org](http://NEEFusa.org)

## Sources

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STEMconnector

View the STEM & Our Planet infographic at [NEEFusa.org](http://NEEFusa.org)

