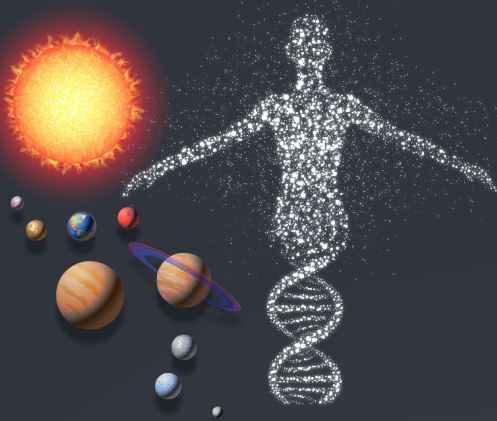


Why It's Time for **NEW** SCIENCE EDUCATION STANDARDS

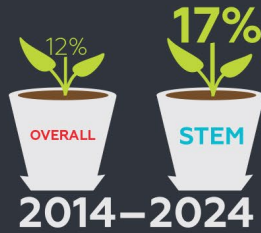


Science education needs to keep pace with the changing world around us¹



We've made major advances in science and technology

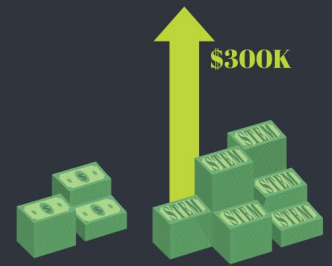
Our nation's workforce needs people with STEM skills²



STEM employment is expected to grow faster than overall employment



STEM jobs comprise 20% of all U.S. jobs



STEM majors earn \$300K MORE than non-STEM majors over their lifetime

Science knowledge has an impact on the daily lives of all Americans³



Science and technology helps us fight disease, protect the environment, and find new energy sources

Students are not prepared for the future⁴



In 2014 only about a third of high school students who took the ACT test were ready for college-level science



We know more about how students learn science

NEXT GENERATION SCIENCE STANDARDS

Pathway to Success

Learn how you can support science learning in your school and community at www.nsta.org/ngss



NGSS@NSTA
STEM STARTS HERE

1. Top 10 Discoveries of the Decade. Dec. 12, 2012. Discovery.com
National Research Council (NRC). 2012. [A framework for K-12 science education: Practices, crosscutting concepts, and core ideas](#). Washington, DC: National Academies Press.
Achieve, Inc. [Standards background: Research and reports](#).

2. Change the Equation. 2015. [VITAL SIGNS: Reports on the Condition of STEM Learning in the U.S., Solving the Diversity Dilemma: Changing the Face of the STEM Workforce](#). Rothwell, J. June 10, 2013. [The Hidden STEM Economy: Key Findings](#). Brookings.
Georgetown University, Center on Education and the Workforce; [Science, Technology, Engineering, Mathematics](#), 2011.

3. [Understanding Science](#). 2015. University of California Museum of Paleontology. 2015. [Understanding Science; how science really works](#).

4. ACT Inc. [The Condition of College & Career Readiness 2014](#).