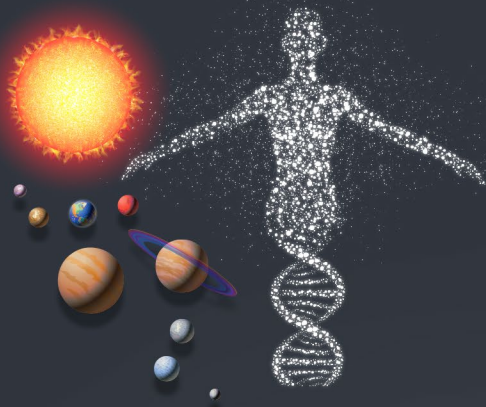


Why It's Time for **NEW** SCIENCE EDUCATION STANDARDS



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

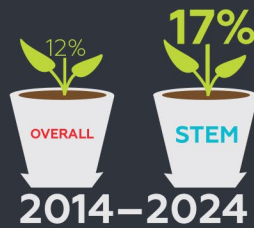


We've made major advances in science and technology



We know more about how students learn science

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

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](#).