



STEM

— RESOURCES —

Conferences • Workshops • Books • E-Books

Competitions • Awards • Other Resources



Science, technology, engineering, and mathematics (STEM) is more than a concept diagram with connections among four (or more) subject areas. It's a unique way of knowing and exploring the world. The STEM approach involves the essence of the practices of science and engineering. Tools like communication skills

are interwoven in STEM explorations. That seamlessness is what challenges educators around the world. Below is a sample compilation of NSTA offerings, resources, and tools—selected based on their multidisciplinary nature and ability to integrate across two or more subject matters—to help teachers provide quality STEM instruction.

www.nsta.org/stem



NSTA National
Science
Teachers
Association

Conferences and Workshops

STEM Forum & Expo

The STEM Forum & Expo is a unique, focused event that brings together (informal and formal) educators and representatives from exhibiting companies who are interested in, and who have tools and resources to share that will ensure successful implementation of STEM education into our schools and communities. It is intended to provide resources for educators and organizations seeking to learn more about STEM education, associated outreach programs, partnerships, schools, and curricula.



JOIN US ONLINE

Network with educators and learn how to help students embrace STEM.



Picture-Perfect SCIENCE

Author Workshops and Online Course



Learn how to use picture books to inspire elementary STEM.



GE Foundation

Partnering together for preparing students and teachers in the integration of STEM

EVENTS

The Building a STEM Leadership Alliance Summit

The GE Foundation K-12 STEM Integration Conference

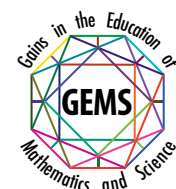


Competitions

NSTA hosts a number of large-scale, nationally known grant and awards programs for educators and offers several exciting competitions and enrichment programs that engage students and encourage them to explore the real-world application of STEM. NSTA-sponsored competitions are available at no charge to compete or register.



NSTA's Shell Science Lab Challenges





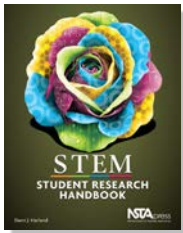
STEM Road Map Curriculum Series
Grades K–12



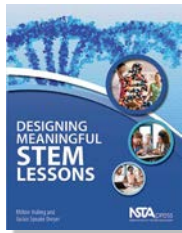
Eureka! Science Activities and Stories Series
Grades K–5



Picture-Perfect Series
Grades K–5



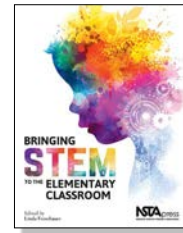
Grades 9–12



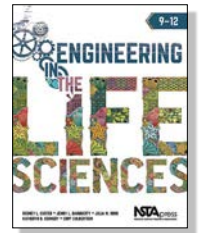
Grades 3–8



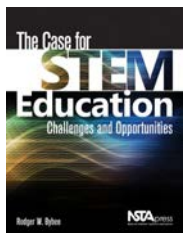
Grades K–12



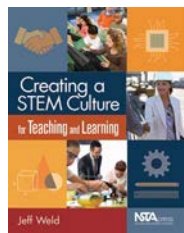
Grades PreK–5



Grades 9–12



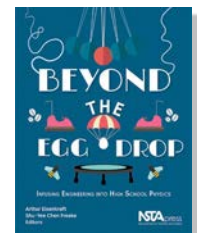
Grades K–12



Grades K–12



Grades 6–8



Grades 9–12

Additional STEM resources can be found at www.nsta.org/store

Interactive student e-books and teachers guides covering core content in Earth, life and the physical sciences, for grades K–5.

Sound All Around

The Amazing Light Show

Light Explorers Go On
a Campout

Properties Matter

Kristel Pushes and Pulls

What Makes Them Special

Did You Get My Message?

Beavers Building
Ecosystems

Exploring Matter
in Space!

I Live Where I Live
Because...

Investigating
Weather and Climate

Additional e-books at www.nsta.org/ebooks

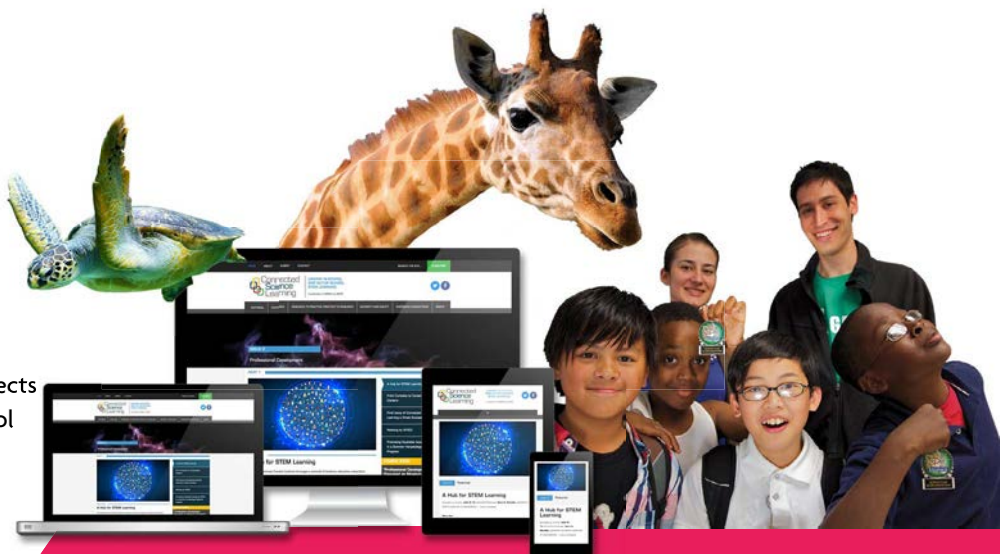


Additional Resources



An online journal featuring articles about highly effective programs and sharing research that connects preK–12 STEM learning in schools and out-of-school settings, specifically highlighting effective mechanisms for collaboration and co-creation.

csl.nsta.org



A joint project of the American Society for Engineering Education, the International Technology and Engineering Educators Association, the National Science Teachers Association, the Society of Elementary Presidential Awardees, and the Children's Book Council. Annually published list of best trade books with STEM content for students in kindergarten through 12th grade.



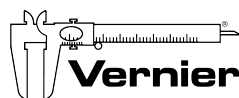
Awards

NSTA's Teacher Awards Program honors inspiring and deserving teachers annually for outstanding achievements in STEM education. Many committed companies and organizations partner with NSTA and provide financial support for these awards.



Northrop Grumman Foundation Excellence in Engineering Education Award

Recognizing excellence in the field of engineering education



Vernier Technology Awards

Recognizing the innovative use, or potential use, of data-collection technology

Need more information?

Find your NSTA regional representative at
www.nsta.org/salesreps