
A Partial List of Online and Community Resources

MISF does not endorse or recommend any particular organization, product or professional association. Contact Beth Murphy, MISF STEM Program Manager, at bmurphy@misf.org with suggested additions.

Colleges & Universities

Bethel University: [STEM in K-12 Education Certificate](#)

Hamline University: [Center for Global Environmental Education \(CGEE\)](#)

St. Catherine University: [National Center for STEM Elementary Education](#)

University of Minnesota:

[BrainU: The Neuroscience Teacher Institute](#)

[Monarch Lab](#)

[STEM Center](#) and [STEM Center resources](#)

University of St. Thomas:

[Center for Engineering Education \(CEE\)](#)

[Playful Learning Lab](#)

Museums & Education Providers

The Bakken Museum: inspiring a passion for innovation to make the world a better place

Bell Museum: Minnesota's natural history museum with a mission to ignite curiosity and wonder, explore our connections to nature and the universe, and create a better future for our evolving world

Climate Generation: A Will Steger Legacy: empowering individuals and their communities to engage in solutions to climate change

Code Savvy: striving to make kids and teens more code-savvy through creative educational programs and services

Curious Minds: providing STEAM education programs for ages 18 months to 12 years

High Tech Kids: nonprofit that supports Minnesota *FIRST*[®] LEGO[®] League Junior, *FIRST*[®] LEGO[®] League, and *FIRST*[®] Tech Challenge programs

Minnesota Zoo: Created by the State of MN, the Minnesota Zoo has a mission to connect people, animals, and the natural world to save wildlife

Science from Scientists: providing exciting, informative and engaging programming by practicing scientists

Science Museum of Minnesota: hands-on exhibits, dinosaurs and the Omnitheater as well as field trips, outreach programs, and teacher professional development

Science House: membership-based teacher resource to borrow instructional, hands-on STEM materials, at SMM

World Savvy: educating and engaging youth to learn, work, and thrive as responsible global citizens

The Works Museum: hands-on kids museum all about engineering

Professional Associations

[Minnesota Council of Teachers of Mathematics](#)

[Minnesota Science Teachers Association](#)

[Minnesota STEM Teacher Center](#)

[Minnesota Technology and Engineering Educators Association](#)

[SciMathMN](#)



Additional Resources & Curriculum

American Association of Chemistry Teachers: classroom resources for grades K-12

National Chemistry Week: October 22-27, 2017

Edutopia: resources for teachers including project-based learning and integrated studies

Engineering byDesign™ Program, e.g. EbD, developed by the International Technology and Engineering Educators Association (ITEEA)

Engineering is Elementary: developed by the Museum of Science, Boston

Engineer's Playground: information, products and services about engineering and STEM for schools and parents

Full Option Science System (FOSS)®: K-8 science curriculum from the Lawrence Hall of Science, University of California, Berkeley

getSTEM of Minnesota, a web portal designed to connect Minnesota educators with science and technology businesses

Great Explorations in Math and Science (GEMS): from the Lawrence Hall of Science, University of California, Berkeley

KidWind: clean energy curriculum and classroom materials

LASER Classroom™: K-12 tools and resources to teach about light, lasers and optics

Maker Education: whose mission is to create more opportunities for young people to build confidence, foster creativity, and spark interest in STEM and the arts

National Center for Technological Literacy: programs and resources to raise awareness and understanding of engineering

Science and Technology Concepts Program™(STC): inquiry-based science curriculum for K–10 covering life, earth and physical sciences with technology. Developed by the Smithsonian Science Education Center

Science Companion: curriculum for teachers, by teachers

SciGirls: evidence-based practices in STEM education for girls

Sparticl: a science web and mobile device information service for teens

TeachEngineering: digital library of standards-based engineering content for K-12

TryEngineering: engineering resource for students, parents, teachers & school counselors

Teachers TryScience: a collaborative effort between the New York Hall of Science, IBM Corporation and teachengineering.org to provide STEM Lessons/resources for educators, including teacher-contributed lessons

Vernier: company that provides sensors, software and curriculum to teach science and collect and interpret data

State Agencies

Minnesota Department of Education

[STEM Education](#)

[Geographic Information Systems \(GIS\) in K-12](#)

Minnesota Department of Natural Resources: providing natural resources education