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@misd.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 Museum of Minnesota Lending Library/Teacher Resource Center](#): membership-based teacher resource to borrow instructional, hands-on STEM materials

[World Savvy](#): educating and engaging youth to learn, work, and thrive as responsible global citizens

[The Works Museum](#): hands-on children’s museum that focuses on technology and 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

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

Spartic: 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

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