

ARIZONA

SFAz STEM Initiative <http://www.sfaz.org/stem/k-12-student-teacher-discovery.aspx>

The Science Foundation Arizona launched the SFAz STEM Initiative in 2008 with the purpose of improving education and economic opportunity in Arizona by:

- Increasing the number of qualified and motivated mathematics and science teachers
- Providing greater access to meaningful and effective formal and informal STEM learning experiences
- Exciting students and help them acquire skills to succeed in today's economy
- Advocating for STEM education and its importance to individual and statewide success

CALIFORNIA

California STEM Learning Network <http://californiastem.org/index.php>

The California STEM Learning Network's goals are to increase students' access to high quality STEM learning opportunities in both in and out of school settings in order to:

- Increase interest and competencies among all K-14 California students in STEM disciplines (including critical thinking, innovation, and use of information technologies)
- Ensure all California students are college and career ready upon graduation from high school without the need for remediation, with a greater number of students pursuing STEM-related degrees and careers
- Build a network that connects existing assets and develops new capacity to innovate, scale and sustain effective STEM teaching and learning

A collaborative effort of leaders across the state from the formal and informal education sectors as well as business and industry, STEM researchers, libraries, science rich education institutions, education policy groups, professional organizations, and philanthropic communities, CSLNet's focus is to create a statewide system and network of individuals and entities dedicated to advancing STEM education and student outcomes.

COLORADO

Colorado STEM Network <http://coloradostemeducation.com/>

Our mission is to build a state-wide coalition of businesses, government, education, and community groups to improve STEM (science, technology, engineering and mathematics) education for all students. The Colorado STEM Network brings together key stakeholders who are concerned about STEM and the competitiveness of Colorado's education and workforce in light of the new demands of a global, high-tech 21st Century world.

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There are many organizations across the state focused on Science, Technology, Engineering and Math (STEM) education. As a convener of these groups in Colorado, the Colorado STEM Network works to bring them together and help bring awareness to their incredible efforts and achievements.

The Colorado STEM Network (CSN) STEM Centers bring local and regional STEM stakeholders together to identify local challenges and assets around the alignment of K-12 outputs and expectations and support development and implementation of policy at the local level. For example, a STEM Center might identify a need for improved STEM K-12 teacher professional development in its region and build programming to meet that need through area partnerships.

Regional STEM Centers

- * University of Colorado, Boulder
- * Colorado State University, Ft. Collins*
- * Colorado State University, Pueblo
- * Western Science and Math Center, Grand Junction
- * University of Colorado, Denver*
- * University of Colorado, Colorado Springs*
- * South Metro Denver Chamber of Commerce, STEM-EC
- * Adams County Education Consortium
- * University of Northern Colorado*
- * Durango RAS

INDIANA

I-STEM Resource Network <http://www.istemnetwork.org/>

The Indiana-STEM Resource Network is an unprecedented partnership of public and private higher education institutions, K-12 schools, business, and government. Started as a collaboration among 18 institutions of higher education in 10 regions throughout Indiana, I-STEM includes committees comprised of educational content experts and practitioners who come together to design and employ programs to address STEM issues. I-STEM works to support K–12 teachers and leaders working to implement high academic standards towards STEM literacy for all students. It also provides Indiana education leaders with new knowledge about teaching and learning. The I-STEM vision is for Indiana to be a national leader in student academic achievement in STEM disciplines and improve the quality of the workforce.

MINNESOTA

Minnesota STEM Network <http://www.mnstemnet.org/>

The Minnesota STEM Network is a statewide alliance of diverse individuals and organizations in Minnesota advancing science, technology, engineering and mathematics (STEM) in education, workforce development and community engagement. The network is a new initiative of SciMathMN in collaboration with leading partners across Minnesota. We are working toward the vision that all Minnesotans will actively engage in science, technology, engineering and mathematics as a

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means toward lifelong learning, informed civic engagement, and a vibrant economy.

The goals of the Network are to increase:

1. Connections across sectors leveraging common interests in STEM: business and industry, government, higher education, pre-K-12 education, informal education, families, communities and foundations.
2. The pace of innovation in STEM education and workforce development across Minnesota driven by collaboration across sectors.
3. Participation by business and industry generating a dramatic increase in real world learning opportunities for students and teachers.
4. The number of students selecting STEM as a career opportunity, especially by women and underrepresented minorities.

NEW MEXICO

Innovate+Educate <http://www.innovate-educate.org/>

Innovate+Educate works closely with private industry throughout the nation to create long-lasting partnerships. We are placing 21st century skills at the center of education by building collaborative partnerships among education, business, community, and government leaders.

Innovate+Educate serves as a catalyst for transformational educational models through:

- Piloting new models
- Aligning existing resources to support innovative projects
- Bringing industry and education experts together to further discussion and action

NEW YORK

Empire State STEM Learning Network <http://www.nysstemeducation.org>

Mission: To define STEM and the STEM disciplines in a fashion that will serve as a model for New York State and throughout the nation.

AMTNYS, ASEE, NYSSPE, NYSTEA and STANYS will work collectively and collaboratively to deliver STEM Education in the spirit and vision of the NYS MST Frameworks and [Learning Standards](#). We must take this approach to skillfully and completely address the concerted state and national cry for STEM Literacy.

Our Overarching Goals

- To transform the NYS MST Learning Standards into an effective and meaningful STEM Education Learning Standards delivery.
- To explore the possibility of holding a mutually supported STEM Education Collaborative Conference or Symposium by 2010 that will encourage and facilitate the sharing of successful and innovative classroom STEM practices by presenters representing AMTNYS, ASEE, NYSSPE, NYSTEA and STANYS.

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- To carry forward our NYS STEM Education Collaborative foundational work with enlightening debate and constructive discussions through various means of communication and a (yet to be determined) conducive timeframe.
- To work together to ensure that accepted research and practice based STEM principles are applied in the development of revised or new MST Standards.
- To mutually support, connect and strengthen science, technology, engineering and math P-16 instruction. All three disciplines would still maintain their separate learning standards, integrity, scope and depth but would be delivered within a cross connected methodology.
- To influence support funding, school policy, teacher training and preparation methods, with our mutually envisioned STEM Education approach.
- To foster the modification of existing assessments, with changes in written language and references, to bring about STEM connections, without changing the primary purpose and thrust of each.

NORTH CAROLINA

North Carolina STEM Community Collaborative: <https://www.ncstem.org/>

NC STEM provides an open innovative process that allows for open innovative thinking. STEM education ensures every kid has the opportunity to be successful in life.

As leaders in our communities we need to do what we do best – lead and create change. In order for 21st century education to be implemented successfully, it is necessary to gain the support of all stakeholders in local communities and throughout North Carolina. NC STEM provides an opportunity for sustainable innovation. If we capture local knowledge, engage the community, influence decision making and provide equitable access, NC STEM will accomplish this goal and be an invaluable asset to local citizens and the state.

NC STEM is designed to create a structure for local, regional and statewide STEM collaboration among leaders in business, government, education, economic development and elsewhere. We also facilitate deeper involvement in communities seeking to take advantage of the economic opportunities that STEM offers. Lastly, we connect North Carolina's business and educational assets to community-led STEM approaches, and network them together to a national STEM network.

OHIO

Ohio STEM Learning Network <http://www.osln.org/>

The Ohio STEM Learning Network (OSLN) is an unprecedented collaborative aimed at building and connecting STEM (Science, Technology, Engineering and Mathematics) teaching and learning capacity in regions across the State of Ohio. At its core, the OSLN is focused on student and teacher success, built from a slate of committed partners from Pre-K-12 education, higher education and business and industry.

Designed from a systems engineering approach, the OSLN will help develop and connect a state-wide system of innovative STEM schools and Programs of Excellence, leveraging the ongoing work of regions across the state, along with a \$12 million grant from the Bill & Melinda Gates Foundation and an initial

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\$2.8 million investment from Battelle. This will be done through a state-level public-private partnership that includes Battelle, Ohio Partnership for Continued Learning, Ohio Business Roundtable, Ohio Business Alliance for Higher Education and the Economy, Cleveland Foundation, and the Teaching Institute for Excellence in STEM (TIES). Locally, many partners across the state are involved in this work.

The OSLN upholds three overarching objectives:

- a) Enhancing STEM teaching and learning capacity that is closely aligned with state-level guiding principles as specified in Am. Sub. H.B. 119, Ohio's biennial budget.
- b) Accelerating existing and emerging STEM initiatives such as STEM start-up schools and related K-8 STEM Programs of Excellence.
- c) Creating a network-based infrastructure that promotes and connects innovative, scalable and sustainable STEM initiatives.

PENNSYLVANIA

Pennsylvania STEM: <http://pasteminitiative.org/about/>

The Pennsylvania STEM Initiative is a statewide effort within the Commonwealth of Pennsylvania, designed to create the foundation for the state's future competitiveness by establishing a network of partners and programs that support the development and deployment of science, technology, engineering and mathematics education and workforce development.

Established in August 2007, the Pennsylvania STEM Initiative is an initiative of the National Governor's Association and the Team Pennsylvania Foundation with the support of leaders from multiple Commonwealth agencies as well as business, secondary education and higher education partners. As a result of this partnership, the NGA Center for Best Practices awarded Pennsylvania one of six statewide STEM grants to fund the initial two years of the STEM effort.

The Pennsylvania STEM Initiative is a key component in a nationwide strategy for implementing a STEM education redesign throughout the nation. This national effort is being conducted through the leadership of the National Governor's Association.

TEXAS

Texas T-STEM Network/Texas High School Project: <http://tstem.thsp.org/>

Purpose: To establish a statewide network to showcase best practices in school development, leadership, and redesign that have a proven track record of quality education that impacts student achievement.

Vision: The Electronic Learning Community will be a dynamic infrastructure and supporting process to capture, approve, disseminate and maintain collective knowledge in order to leverage and expand innovations supported by the Texas High School Project and the T-STEM Network.

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Goals:

- Facilitate a learning community for communication, knowledge capture and sharing and professional networking.
- Identify and disseminate grant opportunities and professional development opportunities.
- Promote and disseminate best practices of organizations influencing student achievement.
- Provide resources and tools to promote data-driven learning organizations.

WASHINGTON

Washington STEM Initiative: <http://www.partnership4learning.org/>

The Washington STEM Initiative seeks to improve student achievement and opportunity in areas critical to our state's economic prosperity: Science, Technology, Engineering and Mathematics (STEM). The Initiative aims to catalyze innovation in the state's K-12 education system, increase teacher effectiveness and student learning, and dramatically raise the number of Washington students graduating ready for college and work and succeeding in STEM degree programs. These efforts are intended to benefit every student in the state, with a particular emphasis on accelerating the achievement of low-income and minority students.

Partnership for Learning is coordinating the design of the STEM Initiative, including the launch of a new Washington STEM Center possessing the world-class leadership and resources necessary to drive a statewide effort of this unprecedented scale. To learn more, please view the [initiative overview](#), read the [initiative's draft concept paper](#) or click on the diagram below.

National Coalition

STEM Education Coalition <http://www.stemedcoalition.org/>

The Science, Technology, Engineering and Mathematics (STEM) Education Coalition works to support STEM programs for teachers and students at the U.S. Department of Education, the National Science Foundation, and other agencies that offer STEM related programs. The STEM Education Coalition is composed of advocates from over 1,000 diverse groups representing all sectors of the technological workforce—from knowledge workers, to educators, to scientists, engineers, and technicians. The participating organizations of the STEM Education Coalition are dedicated to ensuring quality STEM education at all levels.