



P E N N S Y L V A N I A

S T E M

I N I T I A T I V E

Building a Competitive
Future *for the* Commonwealth

Ready ▶ Set ▶ COMPETE

P R O G R A M O V E R V I E W

“THE SUCCESS OF THE STEM INITIATIVE IS ESSENTIAL TO THE FUTURE OF BUSINESS AND INDUSTRY IN PENNSYLVANIA AND BEYOND.”

Daniel Fogarty
CARPENTER
TECHNOLOGY CORP.

Preparing Pennsylvania for the Future...Today

The Commonwealth of Pennsylvania has always been at the forefront of innovation. In order to ensure our continued competitiveness into the future, we need to once again redefine our state's economic leadership by implementing new strategies in education and workforce development that will allow Pennsylvania to achieve STEM success.

STEM stands for **science, technology, engineering, and mathematics**—the four core disciplines identified by the National Science Foundation and the National Governors Association as being at the heart of our future competitiveness. The goal of the Pennsylvania STEM Initiative is to develop Pennsylvania's future STEM leaders by ensuring that education and workforce opportunities in the STEM disciplines provide both the technical rigor and the leadership development experiences necessary to prepare future innovators who can identify and implement STEM solutions for Pennsylvania and the nation.

The Pennsylvania STEM Initiative is a unique and exciting public/private partnership made possible by the **National Governors Association**, the **Team Pennsylvania Foundation**, and a wide-ranging coalition of state agencies, regional partners and business leaders.

Goals for Pennsylvania

The Pennsylvania STEM Initiative is committed to achieving a clearly defined set of long-term goals that collectively position Pennsylvania for a competitive STEM future:

- Increase the commitment to STEM education across Pennsylvania.
- Diversify and increase the number of Pennsylvania teachers in STEM disciplines.
- Ensure that all of Pennsylvania's high school graduates are proficient in STEM content areas.
- Increase the number of Pennsylvania students and workers who pursue STEM career paths and secure post-secondary STEM training.
- Focus on engaging women, minorities, and underrepresented populations across Pennsylvania in STEM.

Achieving the Vision

Our vision for a STEM-competitive Commonwealth requires significant effort on the part of citizens, business leaders, educators, workforce development partners and public policy leaders.

Recognizing the diverse resources and requirements of regions across the state, the Pennsylvania STEM Initiative is organized into five regions. Cross-discipline steering committees in each region are working collaboratively with economic development partners, higher education institutions, chambers

of commerce, workforce investment boards, intermediate units, school districts, and community foundations to map regional STEM assets, identify best practices, support new programs, and convene leaders to build strong coalitions and compacts in support of STEM priorities.

Accomplishments with Impact

The Pennsylvania STEM Initiative was originally formed in 2007 after the Commonwealth was awarded one of six national STEM grants through the National Governors Association's Innovation America initiative. That grant was made possible by the Bill & Melinda Gates Foundation and the Intel Foundation with a matching investment provided by the Team Pennsylvania Foundation. Since then, the Pennsylvania STEM Initiative has achieved notable progress in its efforts. Some of these include:

- Produced a comprehensive Pennsylvania STEM Occupations Supply-Demand Gap Analysis.
- Secured \$24,000 in grant funding from the National Girls Collaborative Project to achieve gender equity in STEM.
- Investment by the Pennsylvania Association of Colleges & Universities across all five STEM regions.
- Launched the first Pennsylvania Governor's Institute on STEM to help Pennsylvania teachers share STEM education best practices.
- Strategic partnership with the Pennsylvania Public Television Network to ensure that STEM messages reach stakeholders across the Commonwealth.

Opportunities for Innovation

Our goal is to build awareness, increase understanding, encourage advocacy, and drive action on behalf of STEM throughout Pennsylvania. We encourage you to consider becoming involved in the Pennsylvania STEM Initiative as a partner, sponsor, or investor.

Whether you choose to participate statewide or at a regional level, you will have the opportunity to help define priorities, shape policy, create new programs, and drive change in the Commonwealth. And you will be recognized as a leading partner working with the Governor and major corporate and policy leaders throughout Pennsylvania to prepare the Commonwealth for a competitive future.

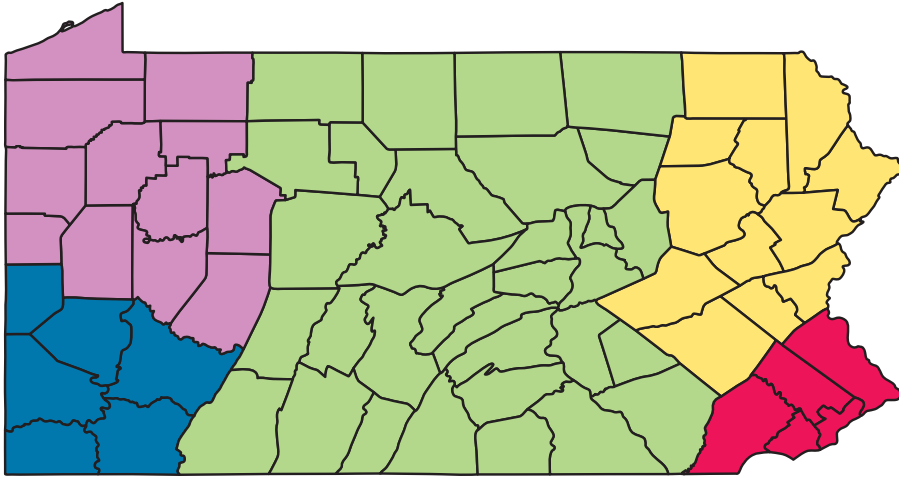
For more information on partnership, sponsorship, and investor opportunities, please contact Matt Zieger, Director of Initiatives & Investor Relations at the Team Pennsylvania Foundation by calling **717.233.1375** or via email to **matt@teampa.com**.




www.pasteminitiative.org

The Pennsylvania STEM Initiative has built a state-of-the-art online resource center that provides timely updates on STEM news and events; a dynamic library of STEM resources and information; a searchable database of Pennsylvania STEM programs; details on the Regional STEM Center network; and information on partners, sponsors, and investors who are a part of the Initiative. Learn more by visiting www.pasteminitiative.org.

Regional STEM Networks



 Northwest PA

 Northeast PA

 Southwest PA

 Southeast PA

 Central PA

The regional boundaries and service areas follow the definitions of Pennsylvania's Inspired Leadership Regions.

Statewide Contact

The Pennsylvania STEM Initiative is coordinated statewide through a partnership of the Team Pennsylvania Foundation in cooperation with the Pennsylvania Department of Education, Department of Community and Economic Development and the Department of Labor Industry. For more information, visit www.pasteminitiative.org or contact Sue Mukherjee, State Lead at 717.772.1326 or via email to smukherjee@state.pa.us.

Regional Contacts

Northwest STEM Network

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Southwest STEM Network

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Central STEM Network

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Northeast STEM Network

N. Paul Schembari | 570.422.3661 | schembari@po-box.esu.edu

Southeast STEM Network

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Not sure which network serves your region? Visit www.pasteminitiative.org for a directory of regional STEM networks by county.



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