

**STEM = science, technology, engineering and math education**

**A KNOWLEDGEABLE WORKFORCE** is vital to the health and success of every state's economy. Innovate+Educate believes coordinated strategies are essential to improve STEM education across the nation. This can be accomplished by working with state education and policy thought leaders and focusing on the advancement of a future STEM workforce.

Innovate+Educate aligns industry with state partnerships to transform STEM education, ensuring a qualified workforce prepared to find careers and lead innovation, as well as support thriving industries in these fields.

Join Innovate+Educate's work and commit to effective industry-education partnerships for STEM education acceleration and success.

**NO MORE RANDOM ACTS OF STEM** You demand efficiency, innovation and results in your industry and we operate by the same principles. Innovate+Educate believes STEM education should be strategic, sustainable and scalable.

Innovate+Educate currently works with a rapidly growing multi-state network that provides state-based partnerships to accelerate and advance educational transformation.

**THIS IS HOW WE DO IT:**

- **Convene** top industry to support states' STEM plans.
- **Align** support for programs and best practice with the goals of the STEM plan.
- **Focus** on maximizing leverage from private and public sector investment on those activities, programs and best practices to meet the plan's goals and benchmarks while streamlining efforts and driving efficiency.
- **Seed** an environment that fosters action by continuing to provide pressure through the STEM business leaders and advocates in states.
- **Scale** effective programs by coordinating with state governments and education STEM initiatives.



**INNOVATE+EDUCATE IS A PROVEN LEADER IN CONVENING STAKEHOLDERS IN INDUSTRY AND EDUCATION, CHALLENGING LEADERSHIP AND CALLING FOR ACTION**

**2009** Innovate+Educate launched as a public-private partnership to advance STEM and Workforce. Board formed with 30 top industry executives working in education.

**2009** Innovate+Educate launched initial state work in New Mexico (previously Innovate+Educate NM), focusing on industry alignment with 283 statewide STEM programs. Workforce data served as basis for investments in STEM by industry partners.

**2009** Convened Council of State Governments—13 western states—for STEM conference. Western States Legislators signed 09-04 Resolution supporting STEM education in western states.

**2010** Launched the NM STEM Network in partnership with top industry in New Mexico as well as policymakers, Department of Education leadership and university system.

**2010** Expanded Innovate+Educate's national STEM vision to begin working with industry alignment in states across U.S. focusing on STEM as a priority.

**2010** Launched New Options New Mexico (funded by W. K. Kellogg Foundation) to advance futures of high risk youth in New Mexico. Industry partners critical to the success of New Options in preparing youth for the future.

**2010** Innovate+Educate, in collaboration with the National Governors Association, announced a public-private partnership to support key innovations within Massachusetts' STEM plan, developed and approved by the Governor's STEM Advisory Council.

**2010** Formed partnership in Texas with a multi-state regional focus and launched the Tri-Border Regional Innovation Center at border of Texas/New Mexico to advance STEM and workforce needs of region.

**2011** Convened key STEM leaders in Colorado Springs for a Global Energy STEM Breakfast to advance STEM with a focus on new technologies in sustainable energy.

**2011** Joined forces with STEMconnector.org working across 50 states and 500 companies to connect state-level work in STEM and advance effective industry partnerships.

**2011** Joined Multi-State Network to advance coordination of strategies and improvement of STEM education across nation.

**BOARD OF DIRECTORS**

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**OUR NATIONAL STEM AND WORKFORCE PARTNERS**

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|---|---|---|
| American Institutes for<br>Research Center for STEM<br>Education & Innovation | Los Alamos National<br>Laboratory                                   | Innovate+Educate<br>is a national nonprofit<br>organization founded<br>in 2009 to provide<br>a bridge between<br>industry and education<br>with states to advance,<br>accelerate and transform<br>STEM education. |
| ASTRA, The Alliance for Science & Technology Research in America              | National Governors<br>Association Center for<br>Best Practices STEM |   |
| Battelle Memorial Institute<br>Bill & Melinda Gates<br>Foundation             | Massachusetts Business<br>Roundtable                                |   |
| Corporate Voices for Working<br>Families                                      | ROI Ventures LLC/ROI Labs<br>Sandia National Laboratories           |   |
| Diversified Search<br>Envision STEM   | STEMconnector.org   |   |
|   | Teaching Institute for Excellence<br>in STEM                        |   |
|   | The Manufacturing Institute<br>W. K. Kellogg Foundation             |   |

This brochure is dedicated to the passion and vision of Jack Johnston, Board Member, Innovate+Educate. We will always remember his wisdom in advancing STEM education in the U.S.

Contact us to discuss industry-STEM partnerships in your state:  
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**innovate+educate**  
 Partnering industry with states to advance STEM education

"Lockheed Martin is proud to be partnered with Innovate+Educate in preparing the statewide vision for STEM education. We clearly understand the need to nurture an interest in STEM education to develop a new generation of students to become tomorrow's technology leaders. A younger generation, with an aptitude for science and a desire to pursue technical career fields, is vital to our corporation and essential to our competitiveness as a nation."  
 —Dr. Ray Johnson  
 Chief Technology Officer,  
 Lockheed Martin Corporation

Less than 45% of U.S. high school graduates are ready for college-level math  
 "Innovate+Educate is a true public/private partnership to advance conversation, transformative policies and innovative sustainable practices in P-20 education. We are hopeful Innovate+Educate can engage everyone to advance the right strategies."  
 —Jami Grindatto  
 Director, Corporate Affairs,  
 Intel Corporation Southwest Region  
 Chairman, Innovate+Educate

The Science & Engineering workforce has grown at an average annual rate of about 6.2% since 1950, nearly 4 times the annual overall labor force growth rate of 1.6  
 "Education is the last industry to adapt to the competitive demands of the global economy. Industry's engagement in this transformation is critical and desirable. Innovate+Educate focuses on effective industry/education collaboration for this mandatory transformation."  
 —Jamai Blivin  
 Chief Executive Officer,  
 President, Nebraska+Educate

The U.S. Department of Labor predicts that jobs requiring science, engineering and technical training will increase 34% between 2008 and 2018  
 "Innovate+Educate has put together an impressive team that will give our students a crucial advantage and ensure that our country remains competitive. I look forward to our continued work together."  
 —U.S. Senator Tom Udall

25 out of 30: The U.S. ranking in an international assessment of high schoolers' performance in math  
 "Science and technology are at the heart of our nation's ability to compete in a global economy and to solve our most pressing challenges. Our future hinges on the next generation of scientists and engineers."  
 —U.S. Senator Jeff Bingaman

Less than 30% of U.S. high school graduates are ready for college-level science