

IDOE: Making It Happen



Science Technology Engineering, and Math Education



Who We Serve

The STEM Team at the Indiana Department of Education serves all educational stakeholders interested in STEM education. Most importantly, we serve the needs of students to receive a well-rounded high quality education that includes Science, Technology, Engineering, and Math throughout the entire K-12 continuum. We are always creating resources and providing professional development to support the needs of the state. In addition, we sit on a variety of state and national Boards guiding the direction of STEM for cross sector organizations.

Made It Happen in 2013

- Created STEM implementation guides for elementary and secondary schools.
- Hosted the first ever Indiana Girls in STEM Conference partnering with the Indiana Afterschool Network and Indiana Girls Collaborative Project.
- Partner in the formation of the STEM Action Coalition, a STEM Task Force hosted by the ISTEM Resource Network
- Created the Indiana STEM Certified Schools Recognition.
- Awarded 8 Math Science Partnership Grants providing locally developed professional development for STEM teachers

2014

- Held Indiana's 1st Annual STEM Conference in collaboration with ISTEM and Great Lakes Comprehensive Center (GLCC).
- Provided STEM school professional development for schools pursuing STEM School Certification
- Awarded 12 Math Science Partnership Grants providing locally developed professional development for STEM teachers
- Collaborated with the Commission for Higher Education on the review of the STEM Teacher Recruitment and Retention Grant
- Adopted new Math Standards and provided statewide professional development for implementation

2015

- Performed the review and revision of Indiana's 2010 Science Standards.
- Hosted the 2nd Annual STEM Conference in collaboration with CELL, ISTEM, and GLCC.
- Certified 12 schools in the 1st cohort of Indiana STEM Certified Schools
- Awarded 8 Math Science Partnership Grants providing locally developed professional development for STEM teachers

2016

- Created and adopted new Science Standards including new Engineering and Computer Science standards.
- Partnered with Purdue to host a STEM Education conference focused on classroom STEM instruction.
- Conducting statewide professional development over the summer and fall for the new science standards
- Collaborating with organizations like Nextech and IUPUI to support computer science professional development around the new science standards
- Certified 10 schools in the 2nd cohort of Indiana STEM Certified Schools

A Quote from Indiana's STEM Initiative Plan

"It is apparent, not only in Indiana but across the country, that the education many students receive may not provide them with the knowledge and skills necessary for success in college and careers. Expectations have changed for today's students so Indiana must change the model of how we educate students. In order to strengthen STEM education and make it more meaningful to a great number of students, a group of educators and business leaders from across Indiana collaborated on a plan for STEM education - a non-traditional model of education - as one option to close the widening gap between the knowledge and skills of our students and the rigorous demands of college and careers."