About our Host Organizations

CREATE for STEM Institute

CREATE for STEM, Collaborative Research in Education, Assessment, and Teaching Environments for the fields of Science, Technology, Engineering, and Mathematics, seeks to improve science and mathematics teaching and learning through innovation and research. We bring together faculty from the colleges of Natural Science, Engineering, and Education, to serve as a springboard and a hub for innovation, research, and intellectual collaboration. We help bring together ideas and projects that will make a difference in the teaching and learning of science and mathematics for all learners regardless of their cultures or experiences. For more information: http://www.create4stem.msu.edu.

Office of K–12 Outreach

In keeping with Michigan State University’s land-grant mission, the Office of K-12 Outreach in the College of Education provides direct support to educators throughout Michigan and nationally. Keeping a relentless focus on student achievement, K-12 Outreach offers practical and policy advice to educators, legislative bodies, agencies, associations and foundations. Led by Assistant Dean Barbara Markle, the Office of K-12 Outreach supports instructional leaders, teachers, and students by strategically applying cutting-edge intellectual and functional resources. The team also works to promote global awareness and boost connections between top scholars, practitioners, and policymakers.
About our Host Organizations

Michigan Department of Education (MDE)

As an NGSS Lead State Partner, Michigan has participated fully in the NGSS development process. MDE identified an NGSS project lead and review team. The project lead coordinated all Michigan NGSS review activities, and attended meetings with NGSS writers to provide direction and work toward agreement on issues around standards, adoption, and implementation. Michigan's review team reviewed and responded to six NGSS drafts, provided input on issues affecting adoption, promoted the NRC Framework and NGSS in professional development sessions across our state, and helped to develop materials and resources to support implementation. Michigan's 50-plus-member review team is made up of K-12 teachers and administrators, Michigan Math and Science Center and ISD science consultants, university representatives from science and engineering education and science research, and MDE directors and consultants. The team includes leaders from the Michigan Science Teachers Association and the Michigan Math, Science Centers Network, and the NGSS writing team.

Next Generation Science Standards (NGSS)

Primarily funded by the Carnegie Corporation, the development of NGSS is a joint effort of the National Research Council and Achieve, Inc., in partnership with states, the American Association for the Advancement of Science and the National Science Teachers Association, to design the foundation for all students to have a solid K–12 science education. NGSS comprise K–12 science standards have been created through a collaborative process led by Michigan and 25 other Lead State Partners. The NGSS identify science and engineering practices and content that all K-12 students should master in order to be fully prepared for college, careers, and citizenship.