



Education and STEM Learning

Ohio STEM Learning Network

The Ohio STEM Learning Network is committed to helping the State of Ohio inspire and train the next generation of scientists and technology leaders. The presence of these highly skilled workers, problem solvers and critical thinkers will enable the state to create, attract, retain and grow businesses and industries that can successfully compete in the global economy.

OSLN supports the growth and quality of STEM education in Ohio by:

- **Connecting the best** STEM schools, educators and teachers to each other and to national resources that will help them excel
- **Assisting schools and communities** that want to create new STEM schools and programs
- **Driving STEM innovations** through a network approach

Created in 2007, OSLN is supported and managed by Battelle, the largest independent, non-profit research and development organization in the world. OSLN has benefitted from the leadership of Ohio governors, state legislators and local government officials, as well as business, education and foundation leaders. The State of Ohio and the Bill and Melinda Gates Foundation provided financial support for the initial network launch.

Today, OSLN includes schools in Columbus, Dayton, Cincinnati, Cleveland, Akron and Reynoldsburg, with new schools/programs being planned in Rootstown, Springfield, NW Ohio and SE Ohio. Seven STEM hubs support the growth of STEM education in each of Ohio's diverse regions. Together, the STEM schools and hubs work with public and private schools in their region to spread the innovative teaching and learning strategies that characterize the most effective STEM programs.

OSLN by the numbers

4,700

What started with one school and 100 students has grown to 4,700 students from 47 school districts attending non-selective public secondary schools.

101,000

More than 101,000 students and 3,400 teachers in Ohio impacted via K-8 Programs of Excellence.

26

K-8 Programs of Excellence initiated by state funding, with the "best in class" incorporated into the OSLN Hub design for long term sustainability.

10

STEM Schools

Dayton Regional STEM School
Dayton, Ohio

Design Lab
Cleveland, Ohio

Hughes STEM High School
Cincinnati, Ohio

Linden McKinley STEM
Columbus, Ohio

Perkins Local
Sandusky, Ohio

MC2 STEM
Cleveland, Ohio

National Inventors Hall of Fame School
Akron, Ohio

Metro Early College High School
Columbus, Ohio

Reynoldsburg STEM High School
Reynoldsburg, Ohio

New Miami High School
New Miami, Ohio



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The Network

OSLN has evolved from an organization that assists in the launch of STEM schools and programs to a network that leverages those schools and programs to spread best practices and concepts.

The Core Staff

OSLN's core team manages the execution of network programs. Staff works to increase management capacity for STEM education innovation and to ensure the sustainability of best practices sharing and collaboration activities.

The Regional Hubs

OSLN's seven regional hubs leverage partnerships to support outreach and spread best practices to other hubs throughout the state.

The Embedded Staff

OSLN supports on-the-ground personnel within the hubs. These educators deploy STEM initiatives to platform schools in their region and provide connectivity between the platform schools, training centers, hubs and the network.

The Training Centers

Training centers enable educators from around the state to see STEM tools, best practices, instruction and learning in action. They serve as R&D platforms for using professional development and instructional tools in a real school environment, with an emphasis on scalability to other schools in the network and across the country.

The Platform Schools

OSLN platform schools are non-selective Ohio STEM schools positioned to deploy innovative STEM concepts, such as instruction models and project-based learning, in the classroom. Educators leverage the training centers to share knowledge, experience and tools with other network schools.

Recent News

Metro Early College High School launches virtual J-Term

In January 2012, Metro students and staff worked in a blended learning environment, utilizing a combination of face-to-face classroom sessions, field studies, and Webinar style meetings. This pioneering style of teaching and learning was engaging for students, and serves a model for innovative educational environments.

Cleveland's MC2 STEM High Named Finalist for Excellence in Urban Education

MC2 STEM High in Cleveland is one of five high school finalists for the National Center of Urban School Transformation's Excellence in Urban Education Award. Winners will be announced at NCUST's National Symposium in San Diego May 2012.

Long Island STEM HUB Launched

On December 6, 2011, 250 educators, business representatives, and government officials participated in the Long Island STEM Hub Summit at Farmingdale State College to support the launch of this new initiative that will focus on preparing students for the Island's high-tech workforce.