2018-19

The Ohio STEM Learning Network Difference

30,174 STUDENTS
69 SCHOOLS

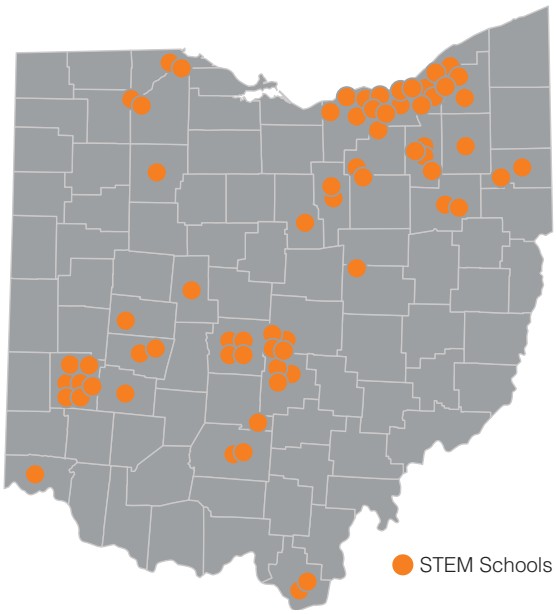Ohio STEM Learning Network

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For the Ohio STEM Learning Network, STEM is more than Science, Technology, Engineering, and Math. Ohio students are inspired to collaborate across disciplines to successfully solve real-world problems. That is the essence of STEM—students demonstrating knowledge by applying it to real-world situations.

Battelle was a founding partner in Ohio's first STEM school and drove creation of the statewide STEM network. Nearly a decade later, our company still proudly supports these schools for one reason: **The STEM school model pairs career preparation with innovative teaching, college credits, credentials, and local business needs.**
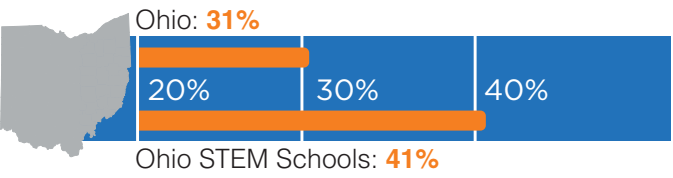
STEM schools must:

1) Enroll students under an open admissions policy (with no minimum test scores).
2) Create meaningful local partnerships with businesses.
3) Provide learning opportunities that include problem-based learning and design thinking.
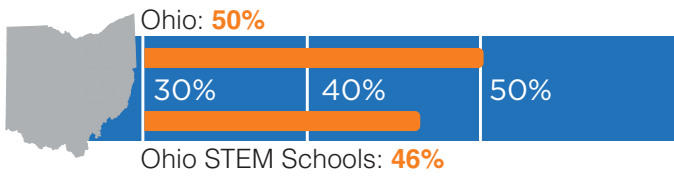4) Coordinate with the Ohio STEM Learning Network to facilitate the spread of innovation.

● STEM Schools

STEM Means Opportunity For All
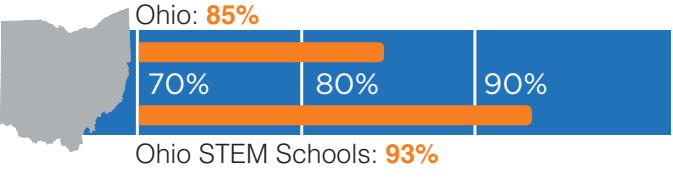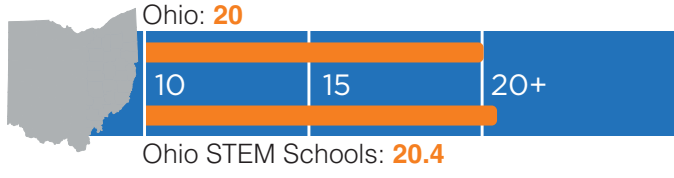
Ethnically diverse students
Ohio: **31%**
20% | 30% | 40%
Ohio STEM Schools: **41%**

Economically disadvantaged students
Ohio: **50%**
30% | 40% | 50%
Ohio STEM Schools: **46%**

Graduation Rate
Ohio: **85%**
70% | 80% | 90%
Ohio STEM Schools: **93%**

ACT Score
Ohio: **20**
10 | 15 | 20+
Ohio STEM Schools: **20.4**

94% to 99% Graduation Rate:
• Reynoldsburg eSTEM Academy
• Akron STEM High School
• Dayton Early College Academy
• Reynoldsburg (HS)2 Academy
• Northwestern Local High School

100% Graduation Rate:
• St. Vincent- St Mary High School
• Dayton Regional STEM School
• Metro Early College High School
• Global Impact STEM Academy
• Marysville Early College High School
• New Hope Christian Academy

23+ ACT Scores:
• Geauga iSTEM Early College High School
• St. Vincent- St Mary High School

25+ ACT Scores:
• Dayton Regional STEM School
• Bio-Med Science Academy
• Metro Early College High School

Sources: Ohio Department of Education Report Card (October 2019); Survey of Ohio STEM Learning Network schools by Battelle (September 2019).

STEM Schools Focus on the Future

STEM schools outperform Ohio's average graduation rate while going beyond the diploma. Students are prepared for the professional world through internships, college credit opportunities, and service learning hours.
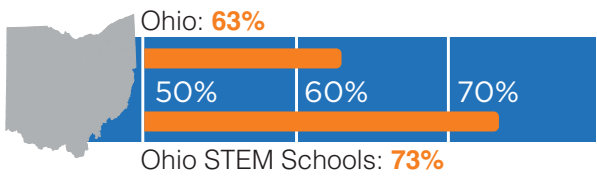
STEM Prepares Students for College and Career
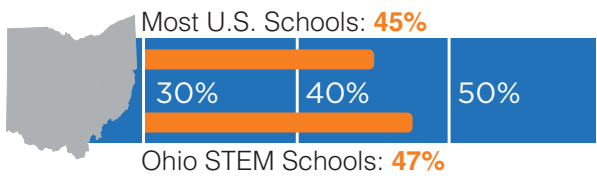
Students earn college credits in high school

22,000+
College Credits (2018-19)

Saving students more than **$8.5 million** in estimated tuition costs

Students enrolled in college after graduation
Ohio: **63%**
50% | 60% | 70%
Ohio STEM Schools: **73%**

Students majoring in college STEM degrees
Most U.S. Schools: **45%**
30% | 40% | 50%
Ohio STEM Schools: **47%**

STEM students are ready for the workplace

111,000+
Internship Hours (2018-19)

Sources: Ohio Department of Education Report Card (October 2019); Survey of Ohio STEM Learning Network schools by Battelle (September 2019); National Science Foundation's Science and Engineering Indicators (2018); ACT's The Condition of College & Career Readiness (October 2019).

The STEM School Experience Means Making Connections for Your Future

87,000+
Service Hours (2018-19)
STEM school students logged serving their communities

Through service learning, students build connections to their community and improve their resumes.

60%
of STEM Schools
joined #hourofcode to build computer science skills

Hour of Code is an annual campaign created by Code.org to recruit more schools to teach computer science.

95%
of STEM Schools
use inter-disciplinary design challenges with hands-on learning

Battelle recently hosted 90 students from Ohio K-12 schools to present solutions to food insecurity.

Source: Survey of Ohio STEM Learning Network schools by Battelle (September 2019)

The Ohio STEM Learning Network:

- Connects innovative schools, teachers, and administrators to one another and to national resources

- Supports schools and communities that want to create innovative schools and programs

- Builds community awareness and drives school and industry partnerships.

The Ohio STEM Learning Network is managed by Battelle, a Columbus-based non-profit research institute that supports STEM education as part of the company's commitment to inspiring the next generation of innovators.

STEM and STEAM schools are designated by the Ohio STEM Committee, which is supported by the Ohio Department of Education and advised by the Ohio STEM Learning Network.

To learn more about how your school can bring quality STEM to students, sign up for weekly updates from the network at www.osln.org/sign-up.

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It can be done