



Board of Regents

Ted Strickland, Governor
Eric D. Fingerhut, Chancellor

University System of Ohio

PRESS RELEASE

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Ohio Science, Technology, Engineering, and Math (STEM) Schools and Programs Awarded \$5.9 Million to Boost Ohio's Competitiveness in STEM and STEM Education

COLUMBUS – The STEM Subcommittee of the Partnership for Continued Learning, chaired by Ohio Board of Regents Chancellor Eric D. Fingerhut, recently announced FY 2009 recipients of Ohio *STEM Schools* and *K-8 STEM Programs of Excellence* awards. The State's \$2.857 million investment in STEM schools for middle school and high school students and \$3.127 million investment in STEM programs for students in grades kindergarten through eight are designed to significantly strengthen Ohio's competitiveness in science, technology, engineering, mathematics and medicine (STEM) and STEM education.

STEM Schools

The primary purpose of Ohio's *STEM Schools* funding is to create public schools in any of the grades 6 through 12 that will help generate a talent base to establish the State of Ohio as a magnet and global leader in attracting, educating, and producing the next generation of world-class scientists, engineers, inventors, and other technology professionals. In turn, these professionals will generate innovations and ideas that will grow Ohio's economy and advance the State's position in global economic markets.

K-8 Programs of Excellence

The *K-8 STEM Programs of Excellence* establishes programs in any of the grades kindergarten through eight, which offer a rigorous and diverse curriculum based on scientific inquiry and technological design, that emphasizes personalized learning and teamwork skills, and that will expose students to advanced mathematical and technical scientific concepts within and outside of the classroom. *STEM Programs of Excellence* will be delivered in partnership with colleges, universities, and businesses, and will also incorporate teacher professional development.

"Equipping Ohio's youth with the science, technology, engineering, and math skills needed to be successful in the 21st century knowledge economy is important to each student's – and the

State of Ohio's – future," said Chancellor Fingerhut. "Investing in Ohio's young talent today will help grow the economy and benefit all Ohioans tomorrow."

Eight *STEM Schools* proposals and 19 *K-8 STEM Programs of Excellence* collaborations received new or renewed funding:

STEM SCHOOL RENEWAL AWARD WINNERS

Cleveland Metropolitan School District (Cuyahoga County) - \$ 367,978.05
Funding provides second year support for the *MC²STEM High School*. The school is in its first year of operation, and the focus for 9th and 10th grade students is sustainability and renewable energy.

Wright State University (Montgomery, Clark, Greene Counties) - \$ 341,981.10
The *Dayton Regional STEM School* will open in the 2009-10 school year and will serve 9th grade students residing in Clark, Greene and Montgomery counties.

STRIVE (Hamilton County) - \$ 341,354.31
The *Hughes STEM High School*, part of the Cincinnati Public School District, is scheduled to open in the 2009-2010 school year and will serve students in grades 9-12.

Educational Council (Franklin County) - \$ 301,418.71
Columbus City Schools will open the *Linden-McKinley STEM High School* in August 2009 for students in grades 7-12. Student enrollment will be open to all students in the Linden area with remaining spaces available through a lottery process.

Akron Public Schools (Summit County) - \$ 278,598.37
Second year funding will be used to support the *National Inventors Hall of Fame STEM Middle School* which includes grades 6-8. The school is slated to open for the 2009-10 school year.

STEM SCHOOL NEW AWARD WINNERS

Perkins Public Schools (Erie County) - \$ 497,830.29
Funding will support the development of a STEM school serving grades 6 through 12. The school is slated to open for the school year 2009-10 and when fully operational is expected to have 1,500 students enrolled.

New Miami Local School District (Butler County) - \$ 479,913.11
New Miami Local School District plans to create a STEM school that will serve students in grades 6-12 enrolling approximately 500 students. The school is scheduled to open for the 2010-11 school year.

Reynoldsburg City Schools (Franklin County) - \$ 247,926.06
The school district will use funding to create a new STEM high school that will serve approximately 400 students in grades 9-12. The high school will open in 2010.

K-8 STEM PROGRAMS OF EXCELLENCE RENEWAL AWARD WINNERS

Fort Recovery Local School District (Mercer and Auglaize Counties) - \$ 262,263.38

Fort Recovery Local along with New Bremen Local and St. Henry Local School Districts will use the second year funding to continue the current program, *MAKE it*, which serves all students in grades 5-8. Funding will also expand the program to Pre-K through grade 4.

New Lebanon Local School District (Montgomery County) - \$ 249,344.00

New Lebanon Schools along with partnering school districts Oakwood City Schools, Valley View Local Schools, Jefferson Township Local Schools, Northridge Local Schools, Brookville Local Schools, Dayton Public Schools, Huber Heights City Schools, Mad River Local Schools, Miamisburg City Schools, Ansonia Local Schools and Tri-Village Local Schools will use funding to expand the *Dayton Regional K-8 STEMM Program*, impacting an additional 3,000 students.

K-8 STEM PROGRAMS OF EXCELLENCE NEW AWARD WINNERS

Parma City School District (Cuyahoga County) - \$ 220,188.54

All students in grades 5-8 will have the opportunity to participate in programs such as *Project Lead the Way*, *Gateway to Technology*, *A World in Motion (AWIN)* and *Building Math*.

Reynoldsburg City School District (Franklin County) - \$ 217,358.35

The *Reynoldsburg Ecology Program* will impact more than 4,000 K-8 students by exploring natural and manufactured water systems, with a special focus on storm water.

New Miami Local School District (Butler County) - \$ 211,131.94

New Miami School's *Learning by Design @ New Miami* program will serve approximately 500 students in grades K-8.

Avon Lake City School District (Lorain County) - \$ 207,169.68

The district will implement the *Energy in our Community* program, which focuses on the usage and study of alternative energy. The program will serve approximately 600 7th and 8th graders attending Learwood Middle School.

Newcomerstown Exempted Village (Tuscarawas County) - \$ 203,773.46

Funding will allow Newcomerstown Schools and their eight K-12 school district partners (Coshocton City Schools, Indian Valley Local Schools, Conneaut Area City Schools, Pymatuning Valley Local Schools, Grand Valley Local Schools, Geneva Area City Schools, Buckeye Local Schools, and Jefferson Area Local Schools) to design and implement the *IE² Inspire, Educate, Engage* program that will directly impact 5,477 students in grades 5-8.

Akron Public School District (Summit County) - \$ 195,848.93

The *Making STEM Learning Contagious using the V.I.R.A.L. (Valued Investigations Reaching All Learners) Approach* program will serve all students enrolled in grades 3-8 in the Akron Public School District.

New Boston Local School District (Scioto and Adams Counties) - \$ 194,716.86

The district, along with Adams County/Ohio Valley Schools, Chesapeake Union Exempted Village Schools, Chillicothe City Schools, Minford Local Schools, Paint Valley Local Schools, South Point Local Schools and Western Local Schools, will implement the *IE² Inspire, Educate, Engage* program, which will serve all students in grades 5-8.

Napoleon Area School District (Henry County) - \$ 160,238.93

Project Wildcat ESMT will focus on grades K-7 and incorporate the *Engineering in Elementary* program and Lego "WE DO" modules, K-Nex and CAD software into the curriculum.

Oberlin City School District (Lorain County) - \$ 158,893.27

The *SITE 21 (STEM and IB Together for Excellent 21st Century Learners)* program will engage all students in grades K-8 through the implementation of programs such as *Gateway to Technology, Smart Skies*, and the development of 36 six-week STEM embedded learning units.

Morgan Local School District (Morgan County) - \$ 139,462.93

The district will develop an inquiry-based STEM curriculum to be used by 7th and 8th grade teachers, which will impact more than 300 students at the Morgan Junior High School.

Bexley City School District (Franklin County) - \$ 130,388.11

The district will design and implement a project-based NSF approved curriculum STEM program that will impact 467 students in grades 5-8.

Youngstown City School District (Mahoning County) - \$ 125,169.99

More than 500 4th grade students enrolled in Youngstown City Schools will participate in the *Mahoning River Education Project/Getting to Know My Community* program. The district will also have the opportunity to expand its partnership with Youngstown State University Center for Urban and Regional Studies and enter into a new partnership with the Children's Museum of the Valley.

Anna Local School District (Shelby County) - \$ 122,726.15

Anna Local Schools in partnership with Botkins Local Schools, Fairlawn Local Schools, Fort Laramie Local Schools, Russia Local Schools, Jackson Center Local Schools and Sidney City Schools, will use the funding to implement the *Green STEM* program through *Project Lead the Way*. This program will serve all students in grades 6-8 in all seven districts.

Liberty Local School District (Trumbull County) - \$ 119,785.19

The *E³ (Engineering, Education, Environment)* program will serve all students at W.S. Guy Middle School, and will focus on environmental technology. It will include programs such as *Engineering is Elementary (EiE)* developed by the Museum of Science in Boston and the *Gateway to Technology*.

Northwestern Local (Wayne County) - \$ 87,953.58

The *Husky SYSTEMIC [School Year Science, Technology, Engineering, Math Interactive Content] Program* will serve all students in grades K-8 and include after-school programs, summer camps, field trips, competitions and exhibitions, which all focus on strengthening STEM-related skills. .

Girard City School District (Trumbull County) - \$ 68,690.86

Girard's STEM program will serve all students in grades 6-8. Sixth grade students will participate in the *Lego's Robo Challenge and Mindstorms* curriculum, while 7th and 8th graders will take part in the *Gateway to Technology* program.

Fairborn City School District (Greene County) - \$ 51,895.84

The *Baker Middle School STEM Program of Excellence* will allow students in grades 6-8 to participate in *Project Lead the Way/Gateway to Technology* and *I³/Invention, Innovation and Inquiry* programs.

About the Proposal Award Process

Details of each proposal will be posted later this month on the Partnership for Continued Learning Web site at www.pcl.ohio.gov. Recommendations for the proposals were made by an external review panel commissioned by the Subcommittee, and final awards were made by the Subcommittee based on those recommendations. Additionally, the Subcommittee voted to allow the three remaining STEM School proposals to address the questions raised by reviewers and resubmit their proposals this fiscal year.

About the STEM Subcommittee of the Partnership for Continued Learning

The STEM Subcommittee of the Partnership for Continued Learning was established in HB 119 section 3326.01. The Subcommittee consists of the Chancellor of the Ohio Board of Regents (chair), the State Superintendent of Public Instruction, the Lieutenant Governor and four members of the public. The Speaker of the House and the Senate President each appoint one public member and the Governor appoints the remaining two members. The complete STEM Subcommittee legislation can be found at http://www.legislature.state.oh.us/BillText127/127_HB_119_EN_N.html.

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