

Teachers & administrators

PROFESSIONAL DEVELOPMENT

Agriculture Environmental Issues and Economics

Teachers learned about the economic impact of environmental issues in agriculture and toured a dairy farm. Participants were able to examine issues first hand and learn about their cost to the dairy producer.

Participating Schools: Richland County: Crestview Local, Mansfield City, Ontario Local, Shelby City.

Ohio State Contact: OSU Extension, Richland County, rich@ag.osu.edu.

Back to History

Back to History is a professional development program for K-12 teachers in Ohio's Educational Regional Service System Region 10. This program combines the resources of The Ohio State University, the Ohio Historical Society, and the Clark County Educational Service Center. Forty teachers participate per year in this 3-year program funded by a Teaching American History grant from the U.S. Department of Education. The program consists of seminars and a summer institute. Participants receive nondegree graduate credit from the Ohio State University; program materials, including books and primary source packets and CDs; opportunities to interact with peers, professional historians and original collections material from the Ohio Historical Society; and a stipend. The program is designed to increase the depth, breadth, and quality of history and social studies teachers' content knowledge, understanding and appreciation of traditional American history. Back to History is funded by the U.S. Department of Education's Teaching American History grant program and will continue through 2009-2010.

Participating Schools: Open to teachers in all school districts in Educational Regional Service System Region 10 (Clark, Darke, Greene, Miami, Montgomery, and Preble counties).

Ohio State Contact: Department of History, College of Humanities, 614-292-0159, backtohistory.osu.edu. External Partners: Clark County Educational Service Center, Clark County Historical Society, Ohio Historical Society.

Beyond Penguins and Polar Bears

Beyond Penguins and Polar Bears is a free online professional development magazine for elementary teachers that focuses on preparing teachers to teach polar science concepts by integrating inquiry-based science with literacy teaching. Issues focus on standards-based science and content-rich literacy learning through engaging science activities, compelling images, rich text, and multimedia resources such as podcasts and videos. The project is funded by the National Science Foundation.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: School of Teaching and Learning, College of Education and Human Ecology, 614-247-7893, beyondpenguins.nsd1.org/. Internal Partners: Byrd Polar Research Center, Office of Research; Ohio Resource Center for Mathematics, Science, and Reading. External Partners: COSI, Upper Arlington Public Library, National Science Digital Library (NSDL) Core Integration team at Cornell University, National Science Digital Library.

Byrd Polar Research Center Learning Center

The Learning Center in 136 Scott Hall is part of an education and outreach program aimed at promoting science and technology in the classroom while also fostering dialogue between scientists, educators, and students at all levels. The center is equipped with SMARTboards, computers, projectors, video cameras, and other technological resources. The BPRC Education and Outreach team offers training in their use and opportunities for direct interaction between scientists, teachers, and students.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Byrd Polar Research Center, Office of Research, 614-247-4571, bprc.osu.edu/education/learning_center.php.



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Capacity Building for Career and Technical Education Teacher Preparation

This partnership, in collaboration with the Ohio Department of Education, provides coursework and professional development opportunities to career-technical teachers in more than 40 high schools and career centers in central Ohio.

Participating Schools: Available to any high school or career center with career-technical programs. Delaware County: Delaware Area Career Center. Fairfield County: Lancaster City. Franklin County: Columbus City, Dublin City, Eastland-Fairfield Career-Technical Schools, Gahanna-Jefferson City, Hilliard City, South-Western City. Hamilton County: Great Oaks Career Technical Schools. Hardin County: Kenton City. Knox County: Knox County Career Center, Licking County: CTEC of Licking County, Madison County: Tolles Career & Technical Center. Morgan County: Morgan Local. Richland County: Madison Local, Mansfield City. Warren County: Franklin City.

Ohio State Contact: School of Physical Activity and Educational Services, Workforce Development & Education Section, College of Education and Human Ecology, 614-247-6227, ehe.osu.edu/paes/wde/academics/certificates/tech-teacher.cfm. Internal Partner: Center on Education and Training for Employment. External Partner: Ohio Department of Education.

Center for Slavic and Eastern European Studies Teacher Resources

CSEES and the Office of International Affairs offer several training sessions per year to help infuse a regional and international approach to issues that are being taught. Another program is Russian: Teaching for Proficiency, a workshop for teachers of Russian conducted by a national expert who shows how to develop and test proficiency in speaking, reading, and writing Russian. CSEES also lends books, multimedia, and other teaching resources.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Center for Slavic and Eastern European Studies, Office of International Affairs, 614-292-8770, csees@osu.edu, slaviccenter.osu.edu/p_12_outreach_home.html.

Center for the Study and Teaching of Writing Teacher Professional Development Program

The purpose of this program is to provide P-12 teachers in the Columbus City Schools an opportunity to broaden their skills in the teaching of writing. The program includes Saturday morning workshops and offers continuing education credits. The program is designed for teachers to share curriculum ideas, scholarly theories, and personal experiences with colleagues in a collaborative setting with technological learning support.

Participating Schools: Franklin County: Columbus City.

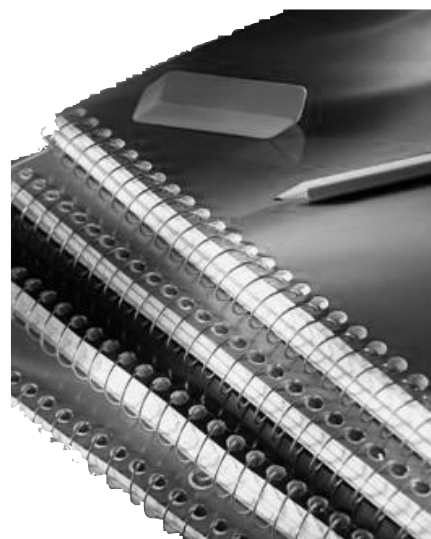
Ohio State Contact: Center for the Study and Teaching of Writing, College of Humanities, 614-688-5865, cstw.osu.edu/outreach/default.cfm.

Children's Learning Forum

This annual 1-day multidisciplinary continuing education event features presentations of interest to teachers, speech/language professionals, audiologists, school nurses, school psychologists, occupational therapists, and optometrists who interact with children. This conference is designed for professional development and offers continuing education credit opportunities. Topics of the 2009 conference included autism spectrum disorders, sensory processing dysfunction, school intervention, early literacy and language essentials, and the science behind the power of story. The 2010 conference will be held on Friday, March 19 in Columbus, Ohio. Registration fee; discount available to three or more attendees from the same school.

Participating Schools: Available to any districts/schools.

Ohio State Contact: College of Optometry, 614-688-3336, kulp.6@osu.edu, optometry.osu.edu/CLF



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Columbus Area Writing Project

The Columbus Area Writing Project (CAWP) is one of the nearly 200 local sites that make up the National Writing Project network. CAWP works in partnership with central Ohio school districts to provide high-quality professional development programs for educators at all grade levels. Designed for teachers from all disciplines, CAWP Summer Institutes are intensive professional development experiences designed to improve the teaching of writing. CAWP Institutes build on the principles of the National Writing Project. Programs include the 5-week summer institute and retreat and the 1-week Advanced Institute on Multimodal Composition. The first three credit hours are free. In addition, CAWP is developing a leadership cadre of local teachers (called teacher-consultants) from participants in the invitational summer institutes. CAWP teacher consultants as part of ongoing continuity projects work on professional development and participant research projects, community outreach and organize and run a 2-week summer writing camp for youth, grades 5-11. There is tuition associated with this camp.

Participating Schools: Available to schools in central Ohio. 2008-09 participants: Bexley City, Columbus Catholic Diocese, Columbus City, Dublin City, Hilliard City, Olentangy Local, South-Western City, Westerville City, Columbus School for Girls, Wellington School.

Ohio State Contact: College of Education and Human Ecology, 614-688-3051; 614-292-1844; and 614-247-4292, ehe.osu.edu/groups/writingproject/; www.nwp.org.

Connecting to the Past

Connecting to the Past is a professional development program designed to support and improve the teaching of American history. Participation is open to teachers in grades four to eight in Ashland, Holmes, Medina, and Wayne counties. Connecting to the Past combines the resources of the Tri-County Educational Service Center, the Ohio Historical Society, and the Ohio State University. Each year, 24 teachers will participate in an orientation seminar and three of four content seminars. Participants will also take part in two historic site-based seminars and attend a 5-day summer institute at Ohio State University in Columbus. The program content will revolve around three core themes: Peopling the New World: Immigration and Migration of Natives and Newcomers, Creating the New Nation: The Revolution and Constitutional Development, and Growing the Nation: Transportation, Communication, and Westward Movement. Connecting to the Past seminars feature engaging content-focused presentations from Ohio State's award-winning history faculty, as well as distinguished teachers and scholars from other colleges and universities.

Participating Schools: Fourth- to eighth-grade teachers in Ashland, Holmes, Medina, Wayne counties. 2008-09: Ashland County: Ashland City, Hillsdale Local, Loudonville-Perrysville Exempted Village, Mapleton Local. Holmes County: East Holmes Local, West Holmes Local. Wayne County: Chippewa Local, Dalton Local, Green Local, North Central Local, North-western Local, Orrville City, Rittman Exempted Village, Southeast Local, Triway Local, Wooster City, Rittman Academy.

Ohio State Contact: Department of History, College of Humanities, 614-292-2674, hti.osu.edu/connect/. External Partners: Ohio Historical Society, Tri-County Educational Service Center.

Continuing Education for School Support Staff

Support staff from school districts in Medina County receive continuing education credit for a variety of classes offered by OSU Extension, including the parenting class series and healthy lifestyle series. In addition, Family and Consumer sciences staff have conducted additional classes for the support staff on such topics as teen brain development, money management, and sleep issues. Participants pay the scheduled class fee and the school reimburses them if it is a public class. Special classes require an honorarium. Schools reimburse participants for class fees.

Participating Schools: Schools in Medina County.

Ohio State Contact: OSU Extension, Medina County, medina.osu.edu.



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Earth Sciences 580: Standards-Based Earth Science for Educators

This course for current and future educators met for 2 weeks during Summer Quarter 2009 and included field trips to two area quarries, two roadside outcrops of rocks, Hueston Woods State Park, and the Allen County Museum to collect and/or examine minerals, rocks, and fossils common to Ohio and elsewhere. Educators use lesson plans they develop on the topics covered in the class, specimens they collect, and information and photos from field trips in their own classrooms. There is a limit of 20 participants in the class; five were enrolled in the 2009 class. Educators from the schools/districts listed can typically participate for one-third the regular cost of the class due to service agreements Ohio State Lima has with their schools. Many former participants have had much success using lesson plans and other materials from this class in their classrooms. Educators in the school districts listed typically pay one-third of the cost of tuition.

Participating Schools: Allen County: Bath Local, Elida Local, Lima City, Shawnee Local, Toledo Catholic Diocese—St. Gerard Elementary, St. Rose Elementary. Auglaize County: Cincinnati Archdiocese—St. Joseph Elementary. Hardin County: Ada Exempted Village. Putnam County: Ottoville Local.

Ohio State Contact: School of Earth Sciences, College of Mathematical and Physical Sciences, Ohio State Lima, 419-995-8208, lima.osu.edu/academics/earthSciences/.

ESL-Content Teachers Collaborative

The ESL-Content Teachers Collaborative (ECTC) is a 9-month professional training program for secondary teachers throughout Ohio. Funded by a 5-year, \$1.5 million grant awarded to Ohio State from the U.S. Department of Education's Office of English Language Acquisition (OELA), this scholarship program is training 180 teachers in the knowledge base and skills required to help teachers improve the academic achievement and English language development of Ohio's 35,000 ESL (English as a Second Language) students. Each year, six Ohio school districts contribute teams of six content teachers and an ESL teacher to the program. Using online learning technology as well as onsite meetings, these 42 teachers participate collaboratively in four graduate-level courses at Ohio State and three full-day workshops. Upon successful completion, content teachers receive a TESOL certificate of completion (a \$5,000 value) and can apply their 14 credit hours of coursework toward a TESOL Endorsement or a future graduate-degree program at Ohio State. Using the trainer of trainers model, ECTC graduates serve as mentors for fellow content-area teachers in their own districts, while also promoting closer collaboration with district ESL teachers, specialists, and administrators. Districts interested in this training program should contact the ECTC directly. \$50 registration fee per teacher

Participating Schools: Available to districts/schools in Ohio. Limited to six Ohio school districts per year. 2008-09 participants: Fairfield County: Pickerington Local. Franklin County: New Albany-Plain Local, Reynoldsburg City. Hancock County: Findlay City. Seneca County: Fostoria City. Summit County: Copley-Fairlawn City.

Ohio State Contact: School of Teaching and Learning, College of Education and Human Ecology, ehe.osu.edu/ectc.

Exchange of Services Agreement—Ohio State Mansfield

Ohio State Mansfield's education department provided fee authorizations for graduate studies for area teachers. Area teachers used approximately \$17,000 worth of tuition-waiver monies. This provided approximately 20 area teachers with professional development opportunities.

Participating Schools: 27 schools in north central Ohio.

Ohio State Contact: Educational Field Experience, College of Education and Human Ecology, Ohio State Mansfield, 419-755-4249.

Explore History

Explore History is a professional development program for K-12 teachers in the 13-county area of central and north central Ohio served by Ohio State University's regional campuses in Lima, Marion, Mansfield, and Newark. The 3-year program funded by a Teaching American History grant from the U.S. Department of Education has been awarded a fourth year to present professional development in a web format. About 20 teachers will participate in five seminars in 2009-2010. This program is a partnership between The Ohio State University, the Ohio Historical Society, and the Mid-Ohio Educational Service Center to support and improve the teaching of American history.

Participating Schools: School districts in Allen, Auglaize, Crawford, Delaware, Hardin, Knox, Licking, Marion, Morrow, Richland, Seneca, Union, and Wyandot counties.

Ohio State Contact: Department of History, History Teaching Institute, Goldberg Program for Excellence in Teaching, College of Humanities, 614-292-2674, www.explorehistory.org.

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Family and Consumer Science (FCS) Teachers Inservice

FCS Extension educators in six counties presented current information on FCS topics and provided hands-on projects teachers can share with students. Topics included Real Money Real World, Nutrition Trends, The Fred Factor—How Passion in your Life Can Turn the Ordinary into the Extraordinary, Protecting against Identity Theft, and Innovative Food Technology Center. \$40.

Participating Schools: Schools in Defiance, Fulton, Henry, Paulding, Putnam, and Williams counties.

Ohio State Contact: OSU Extension, 419-782-4771, extension.osu.edu/home_family_and_youth/index.php.

Food Safety Training

Over 125 public service cooks (through Lorain County schools) participated in food safety education through OSU Extension in Lorain County. One-hundred percent of participants showed improvements in their knowledge of food handling principles when comparing pre-class to post-class tests. Written comments from post-class evaluations indicated participants would do a better job of tracking temperatures of foods, try to cool foods more quickly, and wash hands more frequently. There is a charge based upon type and length of class.

Participating Schools: Lorain County: Amherst Exempted Village, Keystone Local, Midview Local.

Ohio State Contact: OSU Extension, Lorain County, lora@osu.edu, lorain.osu.edu.

Haiti Empowerment Project: Building a Stronger Educational System through Collaborations

Ohio State Mansfield faculty are working with teachers in Haiti toward the goal of transforming the country's education system. The project is tackling three primary obstacles to Haitian education: a lack of critical thinking, antiquated methods of teaching, and access to high-quality, sustained professional development. The primary function of the project is to bring U.S. faculty and graduate students from varying fields to Haiti to work with Haitian teachers, students, and university faculty. Lab schools in the countryside of Haiti provide grounding for the instructional strategies and learning theories for U.S. faculty. The participating faculty and graduate students first work in the Haitian primary and secondary schools with teachers and students and then embed those experiences in the teacher education courses. A new focus is the Keep Books® translation project. The goal is to translate Keep Books® into Haitian Creole and use them in the lab schools to inform the use and distribution with a wider audience in the near future. We are currently seeking an outside funding source for this project. In addition to providing print literature to Haitian children in schools, Keep Books® are designed to be sent home, thus increasing literacy in Haitian households.

Participating Schools: Croix des Bouquets Haiti, Faith Academy, H.O.P.E. Girls School, Benito School, Quisqueya Christian School.

Ohio State Contact: College of Education and Human Ecology, Ohio State Mansfield, 419-755-4243, mansfield.osu.edu/Empowerment/. External Partners: Université Caraïbe, Notre Dame d'Haiti.

High School Financial Planning Program® Training

Changes in the Ohio Revised Code beginning with students who enter ninth grade by July 2010 will require having a course in economics and financial literacy. In response, Extension Family and Consumer Science educators have conducted inservice training for Ohio educators in the use of the National Endowment for Financial Education's High School Financial Planning Program® (HSFPP). The six-unit program provides teens with a greater understanding of and ability to manage their personal finances in the areas of financial planning, careers, budgeting, saving and investing, credit, and insurance. In Cuyahoga County, 55 high school teachers and youth leaders, who will work with more than 1,000 youth, participated in a training using the HSFPP curriculum; 98% of the educators indicated that the NEFE HSFPP materials would be useful in integrating personal financial education into their core curriculum. There was a high level of agreement that participants increased their knowledge of the competency-based learning approach to the curriculum.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Family and Consumer Sciences, OSU Extension, fcs.osu.edu/cs/.



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Hip Hop in the Classroom

In this interactive workshop, teachers were invited to converse with and learn from practicing artists who use the roots of hip-hop to bring contemporary culture to life through spoken word, storytelling, movement, improvisation, rhythm, visual arts and more.

Participating Schools: Available to all districts/schools in Ohio. 2008-09: Clark County: Northeastern Local—Northeastern High. Franklin County: Columbus City—Clinton Elementary, Salem Elementary, Medina Middle, Beechcroft High, Briggs High, Independence High; Dublin City—Ann Simpson Davis Middle; Gahanna-Jefferson City—Blacklick Elementary; Hilliard City; South-Western City; Upper Arlington City—Upper Arlington High; Arts & College Preparatory Academy; Crittenton Community School; Wellington School. Hamilton County: Great Oaks Career Technical Schools—Diamond Oaks Career Development Center.

Ohio State Contact: Wexner Center for the Arts, 614-292-6493, edweb@wexarts.org, wexarts.org/learn.

History WORKS II: Building Foundations

History WORKS II sought to increase Columbus elementary school teachers' knowledge, understanding, and appreciation of American history through an intensive professional development program and increase students' interest and achievement in American history. Participants also received training on how to incorporate primary sources into their social studies lessons. The program had three major components: graduate-level training through school-year seminars and a 2-week summer institute, a web-based resource center, and a lecture series. History WORKS II: Building Foundations was a partnership of the History Teaching Institute, the Ohio Historical Society, and Columbus City Schools.

Participating Schools: Franklin County: Columbus City.

Ohio State Contact: OSU Delaware Center, History Teaching Institute, Department of History, College of Humanities, 614-292-0159, www.historyworksohio.org. External Partner: Ohio Historical Society.

IMPACT II Middle School Science Teacher Professional Development Program

The 12 middle school science teachers in Marion City Schools participated in a year-long professional development program that resulted in improved teacher content knowledge and teaching practices and a rise in student scores on the Ohio Achievement Test. Teachers attended a summer institute to introduce content and pedagogy for a new hands-on inquiry science curriculum and participated in twice-weekly meetings and online discussions to support implementation of the curriculum. Another teacher institute after the end of the school year explored additional issues in implementation of the curriculum. IMPACT II will continue during the 2009-10 school year, funded by the Ohio Department of Education's Mathematics and Science Program.

Participating Schools: Marion County: Marion City—Grant Middle.

Ohio State Contact: Department of Physics, College of Mathematical and Physical Sciences, Ohio State Marion, 740-725-6250. Internal Partner: Project GRO, Office of Research, Office of University Outreach and Engagement. External Partner: Science Center of Inquiry.

Inquiry into Climate Change

This workshop for teachers in grades 6-12, a partnership of COSI and the Byrd Polar Research Center at Ohio State, focuses on the evidence for and implications of climate change. Teachers gain valuable resources and activities designed to educate and empower students to make a huge difference doing little things. Content relates to Ohio Academic Content Standards for earth science and life science. \$113 registration fee; additional costs for graduate credit.

Participating Schools: Only a limited number of districts/schools can be served.

Ohio State Contact: Byrd Polar Research Center, Office of Research, 614-688-8279, www.cosi.org/educators/professional-development/workshops-k-12/. External Partner: COSI.

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K-12 Chinese Flagship Program

Funded by the National Security Education Program, the K-12 Chinese Flagship Program is interested in supporting any school in Ohio that is offering or plans to offer Chinese language and provides more support to selected partner schools. The goal is to build the infrastructure for Ohio schools to establish successful language programs leading to solid communication skills in Mandarin Chinese. The program is developing partnerships in Ohio and beyond to achieve objectives that include the following: developing performance-based curriculum, providing teacher support and ongoing professional development, and creating a technology support system with effective Chinese language programs.

Participating Schools: Available to all districts/schools in Ohio. 2008-09 participants: Cuyahoga County: Beachwood City—Beachwood High; Shaker Heights City—Shaker Heights High; Polaris Career Center. Franklin County: Columbus Catholic Diocese; Gahanna-Jefferson City—Gahanna Lincoln High; Metro School. Greene County: Beavercreek City—Beavercreek High. Tuscarawas County: Dover City—Dover High.

Ohio State Contact: Foreign Language Center, College of Humanities, 614-292-0460 or 614-292-0577, k12chineseflagship.osu.edu/. Internal Partner: Department of East Asian Languages and Literatures.

K-12 Teacher Institute on Somali History, Language, and Culture

The Somali History, Language, and Culture course (EDU T&L 727028) was a professional development course intended for inservice teachers in the Columbus City Schools, offered June 15-19, 2009. The main focus of the course was on developing new and deeper understandings of Somali history, language, and culture that are particularly relevant for and can be translated into practice by educators. Thirty teachers learned to enhance their relationships with Somali students and their families, gained insight into the challenges faced by Somali immigrant-refugees in classrooms and beyond, and explored strategies that will improve the educational experience of Somali students and their families. Presenters included Somali Studies scholars; specialists; and Somali community leaders, educators, and youth. A DVD of the Institute is being developed, and the Institute will be offered in the future.

Participating Schools: Available to all districts/schools in Ohio. Franklin County: Columbus City.

Ohio State Contact: School of Teaching and Learning, College of Education and Human Ecology, 614-247-2429, cas.osu.edu. External Partners: Ohio Humanities Council, U.S. Department of Education.

LILT: Linguistics Institute for Language Teachers

LILT: Linguistics Institute for Language Teachers is a weeklong summer program designed specifically for teachers of foreign languages. The goal is to provide language teachers with greater linguistic awareness and understanding, with the ability to think critically about language, and with a deeper appreciation for all aspects of language and language study. There were 12 participants from a range of districts in Ohio and Indiana in summer 2009. \$350 fee.

Participating Schools: Available to any districts/schools.

Ohio State Contact: Department of Linguistics, College of Humanities, 614-292-4052, linguistics.osu.edu/newsEvents/lilt/yr2009/default.cfm.

Literacy Collaborative®

Literacy Collaborative® is a comprehensive school reform project designed to improve the reading, writing, and language skills of elementary children. School-based literacy coordinators attend 7-8 weeks of training at Ohio State to learn to be onsite staff developers and coaches. Team Planning and Principals' Leadership Academy are additional opportunities to learn more about Literacy Collaborative®. Reading Recovery is strongly recommended in all Literacy Collaborative® schools for at-risk first-grade readers. Schools are asked for a 5-year commitment when they make the decision to become affiliated with the Literacy Collaborative® network. There are fees for instruction, professional development, affiliation, research, materials, and travel. IMPACT Literacy K-6 offers professional development for literacy coaches and teachers to raise achievement in reading and writing. The focus is on implementing research-based practices and developing collaborative learning communities. A fee accompanies the various professional development offerings through Literacy Collaborative, Reading Recovery, and IMPACT Literacy. See websites for details.

Participating Schools: Available to any districts/schools.

Ohio State Contact: Literacy Collaborative®, College of Education and Human Ecology, 614-688-4977, www.lcosu.org; www.rrosu.org. External Partners: Lesley University, Cambridge, MA; Georgia State University, Atlanta, GA.



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Mathematics Coaching Program

This project is a professional development model for training and supporting K-6 Mathematics Coaches to work full time in elementary schools as support for teachers and students. Currently, more than 50 schools in the central and north central regions of Ohio are participating in the project. The program's impact is grounded in mathematics achievement, but also in the fact that the schools accepted into the program are the lowest in the regions in terms of their mathematics achievement. The Mathematics Coaching Program has increased scores so effectively that many schools left academic emergency.

Participating Schools: Available to all districts/schools in Ohio. Only a limited number of districts/schools/youth can be served. 2008-09: Butler County: Middletown City—Amanda Elementary, Mayfield Elementary, Wildwood Elementary. Fairfield County: Pickerington Local—Fairfield Elementary, Pickerington Elementary, Tussing Elementary, Lakeview Junior High, Ridgeview Junior High. Franklin County: South-Western City—Alton Hall Elementary, Darby Woods Elementary, East Franklin Elementary, Finland Middle, Norton Middle. Hamilton County: Mt. Healthy City—Greener Elementary. Lorain County: Elyria City—Franklin Elementary, Oakwood Elementary, Roosevelt Elementary. Mahoning County: Campbell City—Campbell Middle; Youngstown City—Harding Elementary, Kirkmere Elementary, McGuffey Elementary, Taft Elementary, Williamson Elementary, P. Ross Berry Middle, Volney Rogers Middle; Legacy Academy for Leaders and the Arts. Marion County: Elgin Local—Elgin South Elementary. Meigs County: Southern Local—Southern Elementary. Montgomery County: Huber Heights City—Kitty Hawk Elementary; Northridge Local—Grafton Kennedy Elementary, John H. Morrison Elementary; charter—Dayton Academy. Preble County: Tri-County North—Tri-County North Elementary. Richland County: Mansfield City—Newman Elementary, Prospect Elementary, Brinkerhoff Intermediate, Hedges Intermediate School. Summit County: Akron City—Barrett Elementary, Lincoln Elementary, Stewart Elementary, Goodyear Middle, Innes Middle, Jennings Community Learning Center, Roswell Kent Middle. Trumbull County: Warren City—Jefferson K-8, Lincoln K-8, McGuffey K-8, Willard Avenue K-8.

Ohio State Contact: Mathematics Education, School of Teaching and Learning, College of Education and Human Ecology, Ohio State Newark, 740-366-9203, mcp-coaching.osu.edu/Pages/index.aspx.

Mid-Ohio Writing Project

The Mid-Ohio Writing Project, a National Writing Project site located at Ohio State Mansfield, provides high-quality professional development experiences that blend best practices with current research in the teaching of writing. It offers continuity sessions, inservice training, technology classes, and support to emulate the kinds of guidance and support students will need throughout the writing process.

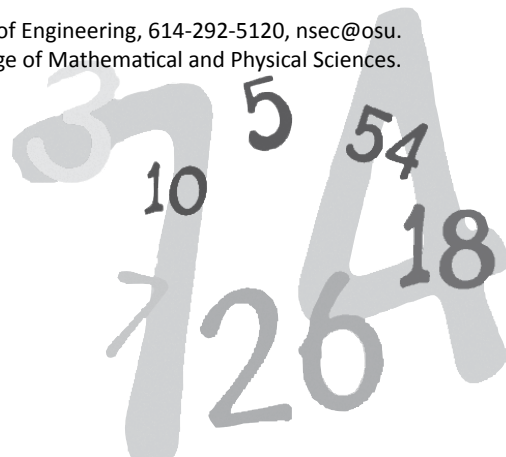
Participating Schools: Ashland County: Hillsdale Local. Crawford County: Buckeye Central Local, Colonel Crawford Local, Crestline Exempted Village. Morrow County: Mount Gilead Exempted Village. Richland County: Madison Local, Mansfield City. **Ohio State Contact:** College of Education and Human Ecology, Ohio State Mansfield, 419-755-4336, mowp.mansfield.ohio-state.edu/

Nanotechnology Workshop for High School Science Teachers

As part of its outreach efforts to introduce nanotechnology into high school classrooms, the NSF Nanoscale Science and Engineering Center (NSEC) at Ohio State conducts a 1-day workshop annually for high school science teachers. Teachers from high schools in central Ohio participate in this workshop, learn about nanotechnology, observe and perform experiments, and receive kits that contain materials for hands-on classroom activities. Experiments range in complexity from measuring a nanometer to advanced computer-based molecular modeling. Teachers also tour the NSEC cleanroom facility at Nanotech West on Kinnear Road and observe researchers at work on cutting edge nanotechnology projects. Additional activities include a cryogenics and phase change demonstration involving the preparation of liquid nitrogen ice cream. This workshop is cosponsored by the National Science Foundation.

Participating Schools: Available to any districts/schools. 2008-09: Franklin County: Bexley City, Columbus City, Dublin City, Reynoldsburg City, Westerville City. Greene County: Beavercreek City. Hamilton County: Winton Woods City. Jackson County: Jackson City. Knox County: Mount Vernon City. Montgomery County: Huber Heights City, Kettering City, Miami Valley Career Technology Center. Warren County: Lebanon City.

Ohio State Contact: NSF Nanotechnology Science and Engineering Center, College of Engineering, 614-292-5120, nsec@osu.edu, www.nsec.ohio-state.edu/teacher_workshop.html. Internal Partner: College of Mathematical and Physical Sciences.



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National Consortium for Teaching about Asia

The National Consortium for Teaching about Asia (NCTA) is an 11-week seminar series that provides 6th-12th grade teachers with the knowledge, resources, and expert guidance needed to incorporate or enhance curriculum about East Asia in their classrooms. Teachers enrolling in an NCTA seminar uncover a wealth of information and experience on China, Japan, and Korea in Ohio. In addition to the knowledge they gain about East Asia, they receive the following benefits upon completion of program requirements: \$500 personal stipend for their time and completed lesson plans; \$200 worth of seminar texts and resources to add to their personal library; \$300 resource grant to purchase Asia-related textbooks, films, and other supplies for their school; option to purchase graduate credit; and continuing education unit certificates. In Winter 2009, The Ohio State University's East Asian Studies Center, the coordinator for NCTA programs for the state of Ohio, partnered with Miami University and Denison University to offer seminars in Oxford and Granville.

Participating Schools: Available to all districts/schools in Ohio. Butler County: Hamilton City—Garfield Middle. Fairfield County: Pickerington Local—Lakeview Junior High. Franklin County: Hilliard City—Hilliard Memorial Middle; New Albany-Plain Local—New Albany High; South-Western City—Finland Middle. Hamilton County: Cincinnati Public—Pleasant Hill Academy, Gilbert A. Dater High; Northwest Local—Colerain High; Wyoming City—Wyoming Middle. Knox County: Mount Vernon City—Mount Vernon High. Licking County: Granville Exempted Village—Granville High; Licking Heights Local—Licking Heights High; Newark City—Newark High. Montgomery County: Jefferson Township Local—Jefferson High; Kettering City—Kettering Fairmont High; Oakwood City—Oakwood Junior High. Perry County: Northern Local—Sheridan High. Warren County: Mason City—Mason Intermediate; Wayne Local—Waynesville High.

Ohio State Contact: East Asian Studies Center, Office of International Affairs, 614-688-4253, ncta.osu.edu/. External Partners: Freeman Foundation, Miami University, Denison University.

Ohio Early Learning Content Standards

This project provides professional development opportunities related to Ohio's Early Learning Content Standards in English Language Arts, Mathematics, Science, and Social Studies. The project works across the Ohio Department of Education's 16 State Support Team Regions (SST) and includes the coordination of a network of Early Language and Literacy Specialist working within each SST region. The primary audiences for the program are teachers and administrators working within district-operated early childhood programs, those funded through preschool special education unit funding, kindergartens, and community-based child care centers and Head Start teachers and their administrators who are working with children with an identified disability or developmental delay.

Participating Schools: Only a limited number of districts/schools can be served. Priorities for involvement will be determined within each State Support Team Region.

Ohio State Contact: Center for Special Needs Populations, College of Education and Human Ecology, 614-292-1160, www.ecqnet.org. Internal Partner: School of Teaching and Learning.

Ohio Global Institute

This three-day Global Institute for teachers in grades K-12 is a collaboration among the Ohio Department of Education, the Office of International Affairs and Area Studies Centers at The Ohio State University, the Gerald H. Read Center at Kent State University, and the Ohio Geographic Alliance. The institute trains a cadre of teachers from content areas across the curriculum to understand the importance of international education, identify opportunities for integrating international context into teaching activities, create models that can be shared with other teachers, and use technology for making international connections. Teachers from Ohio schools who teach English language arts, mathematics, science, social studies, fine arts, world languages, career programs, or technology in grades K-12 may apply. Priority is given to interdisciplinary teams of teachers from one building. \$75-\$100; fee for optional graduate credit.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Office of International Affairs, outreach@oia.osu.edu, oia.osu.edu/international-education-outreach/.

Ohio State Research in Franklin County Schools

Upon screening and approval by the college and school district, 44 classrooms were sites for Ohio State research. Franklin County schools earned 133 hours toward tuition authorizations they can apply toward tuition costs for Ohio State graduate courses.

Participating Schools: Franklin County: Bexley City, Canal Winchester Local, Columbus Catholic Diocese, Columbus City, Dublin City, Eastland-Fairfield Career Center, Educational Service Center of Central Ohio, Gahanna-Jefferson Public, Grandview Heights City, Groveport Madison Local, Hamilton Local, Hilliard City, New Albany-Plain Local, Reynoldsburg City, South-Western City, Upper Arlington City, Westerville City, Whitehall City, Worthington City.

Ohio State Contact: Office of Outreach and Engagement, College of Education and Human Ecology, 614-292-2581, ehe.osu.edu/outreach/schools-network/.



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OhioWINS@OSU

Intended for teachers in grades 6-12, OhioWINS@OSU, a summer institute, ran from June 15-19, 2009. OhioWINS@OSU (Ohio Writing Institute Network for Success) gave fellows the opportunity to participate in four mini-workshops, scaffolded to assist them in developing or refining writing intensive units that integrate informal and formal writing and formative and summative assessment. (The final day of the week showcased teachers' working curricular projects.) This year's workshops included Catching Up: Current Research on Reading and Writing, K-12; Informal and Formal Writing: From Jot Notes to Essays; Classroom Assessment: Reflective Practice and Theory in Practice; and Reading and Responding to Student Writing.

Participating Schools: Delaware County: Delaware City—John C. Demsey Middle; Olentangy Local—Olentangy Orange High, Olentangy Liberty High. Franklin County: Columbus City—Johnson Park Middle, Centennial High, Marion-Franklin High; Dublin City—Dublin Jerome High; Whitehall City—Whitehall Yearling High; Worthington City—Worthington Kilbourne High; ECOT (Electronic Classroom of Tomorrow).

Ohio State Contact: Department of English, College of Humanities, 614-292-2468, rhetcomp@osu.edu, ohioic.org/ohio-wins/; people.cohums.ohio-state.edu/halasek1/. Internal Partner: Office of Continuing Education. External Partners: Ohio Board of Regents, Ohio Resource Center.

Peer Assistance and Review

This program provided mentoring and resources for all teachers new to Columbus City Schools and assisted experienced teachers with deficiencies. Expert teachers were paired with entering teachers to make unbiased judgments about specific behaviors of the new teachers and their students. Expert teachers also acted as mentors. The program also included mentoring and community resources for parents.

Participating Schools: Franklin County: Columbus City.

Ohio State Contact: Office of Outreach and Engagement, College of Education and Human Ecology, 614-292-2581.

Pesticide Education Program

The Pesticide Education Program (with county offices) has conducted training for school districts and personnel on responsible pesticide use and Integrated Pest Management to assist schools in complying with state pesticide laws. School personnel are required to have trained and licensed staff to use any type of pesticide on school grounds, including ant baits, cockroach sprays, or herbicides for weed control to improve safety on athletic fields.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: OSU Extension, 614-292-4070, pested.osu.edu.

Principal Externships

The Ohio State University Medical Center hosts principals for a professional development day. This program allows administrators to experience a hands-on approach to what occurs when a student or a student's family member is admitted to the hospital or when someone is diagnosed with a particular illness. This program also gives the principals skills and tools to address these issues with their students.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: OSU Medical Center, 614-293-8357.

Printmaking Today

The contemporary world is saturated with images that shape how we think and what we know. This workshop teaches techniques that can easily be transplanted into a classroom setting to spark an investigation of mass-media culture with students. Participating teachers explored the printed works of Andy Warhol and considered how they speak as much about politics and society as they do about the art world.

Participating Schools: Available to any districts/schools. 2008-09: Delaware County: Big Walnut Local—Big Walnut High. Franklin County: Columbus City—Clearbrook Middle, Monroe Traditional Middle; Hilliard City—Hilliard Heritage Middle; New Albany-Plain Local—New Albany Middle; South-Western City—Grove City High; Westerville City—Alcott Elementary; Columbus Recreation and Parks; Columbus Jewish Community Center; Ecole Francaise. Out of state: Prospect Elementary (Clarendon Hills, IL).

Ohio State Contact: Wexner Center for the Arts, 614-292-6493, edweb@wexarts.org, wexarts.org/learn.

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Professional Development in Franklin County Schools

The Office of Outreach and Engagement in the College of Education and Human Ecology contracted to provide over 70 customized graduate-level professional development courses throughout the year for Franklin County schools. Seventy courses with approximately 30 people in each provided course work for over 2,000 teachers and administrators. In addition, Franklin County schools combined earned 3,995 tuition authorizations they could apply toward tuition costs for Ohio State graduate courses for hosting Ohio State preservice teachers in their classrooms.

Participating Schools: Franklin County: Bexley City, Canal Winchester Local, Columbus Catholic Diocese, Columbus City, Dublin City, Eastland-Fairfield Career Center, Educational Service Center of Central Ohio, Gahanna-Jefferson Public, Grandview Heights City, Groveport Madison Local, Hamilton Local, Hilliard City, New Albany-Plain Local, Reynoldsburg City, South-Western City, Upper Arlington City, Westerville City, Whitehall City, Worthington City.

Ohio State Contact: Office of Outreach and Engagement, College of Education and Human Ecology, 614-292-2581, ehe.osu.edu/outreach/schools-network/.

Professional Development Module for Teachers on Nonacademic Barriers to Success

The Ohio State University Center for Family Research provides teacher professional development modules that focus on the impact that nonacademic barriers have on the classroom using a comprehensive and integrated curriculum on competencies in a variety of human service areas (mental health, substance use, family/parenting skills, etc.). This curriculum is based on principles supported by research literature that became recommendations for inclusion in preservice and inservice professional preparation programs for all teachers in both general and special education. This module focuses attention on the impact that nonacademic barriers have on disruptive classroom behavior, threats to academic progress, and learning difficulties. These include lists of dispositions, knowledge, and skills that have been demonstrated to be critical to the educators' ability to promote health and mental health well-being in the school community. Specific areas include Policy, Law, and Ethics; Evidence-Based Learning Supports; Assessment; Working with Others; How Different Systems Operate; and Self-Care for the Professional. A teacher workbook includes an overview of the need for teachers to understand nonacademic barriers to success; efforts aimed to promote teachers' self-assessment of key principles; and basic information on competency areas (policy, learning supports, etc.) that include descriptors and how to examples for application and case study. Contact the Center for Family Research for details.

Participating Schools: Available to all districts/schools in Ohio. 2008-09: Franklin County: Columbus City—South High.

Ohio State Contact: Center for Family Research, College of Education and Human Ecology, 614-688-5916, 614-292-5620, familyresearch.osu.edu/index.cfm.

Professional Development School (PDS) Network in Social Studies and Global Education

Professional Development School Network in Social Studies and Global Education at Ohio State University is a collaborative effort of selected social studies teachers in 10 school districts in Central Ohio and the social studies and global education faculty in the College of Education. The goals of the PDS are to (1) improve the education of preservice social studies teachers; (2) provide ongoing professional development for practicing teachers; and (3) improve classroom instruction and strengthen the knowledge base in social studies and global education through collaborative inquiry and action research. Classroom teachers who serve as field professors for the preservice cohort work with program faculty to plan the assessments, team-teach T&L 638 and 639 Methods seminars, and mentor interns in their schools from late August when school begins to the following May.

Participating Schools: Franklin County: Columbus City—Independence High, West High; Eastland-Fairfield Career & Technical Schools—Eastland Career Center; New Albany-Plain Local—New Albany High; Reynoldsburg City—Reynoldsburg High; Upper Arlington City—Upper Arlington High; Worthington City—Phoenix Middle; Metro School; Mosaic Program.

Ohio State Contact: Social Studies and Global Education Program, College of Education and Human Ecology, people.ehe.ohio-state.edu/mmerryfield/pds-work/. Internal Partners: Center for African Studies Center, East Asian Studies Center, Center for Latin American Studies, Middle East Studies Center, Slavic and Eastern European Studies Center. External Partner: Indiana University Center for the Study of Global Change.



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Project KNOTtT: Strengthening Systems Capacity Collaboratively with Kansas, Nevada, Ohio, and Texas

Project KNOTtT is a consortium of colleges/universities; school districts in Kansas, Nevada, Ohio, and Texas; nonprofit organizations; and foundations that will work independently and interdependently to recruit, prepare, support, and retain 545 midcareer professionals and recent college graduates to serve as teachers of record in four states in the core academic secondary subjects of mathematics, science, English/language arts, foreign languages, English as second language, and special education (K-12). Project KNOTtT is bounded by three strands that afford connectivity and strength through a unifying KNOT. An overarching goal, or tie, is to close the gap on teacher quality by binding our partners' teacher preparation work through the strands of (1) learning community, (2) e-coaching and mentoring, and (3) quality indicators for nontraditional pathways. KNOTtT universities with colleges of education programs include Wichita State University, The Ohio State University, Wright State University, Ohio University, and the University of Nevada at Las Vegas. Other higher education institutions are represented nationally by the Association of Teacher Educators and the National Association for Alternative Certification. The Youth Policy Institute and The Thomas B. Fordham Institute (Ohio Programs and Policies) supplement the KNOT and ensure the quality of this project. Partnering school districts must meet the federal definition of high need and hard to staff.

Participating Schools: Athens County: Federal Hocking Local. Belmont County: Barnesville Exempted Village, Bellaire Local, Martins Ferry City. Clark County: Springfield Academy of Excellence. Franklin County: Columbus Collegiate Academy, KIPP Journey Academy. Gallia County: Gallia County Local, Gallipolis City. Hamilton County: Cincinnati Public; East End Community School. Lawrence County: Rock Hill Local. Meigs County: Meigs Local. Montgomery County: Dayton Community; Trotwood-Madison Local; Dayton Academy, Dayton View Academy, Emerson Academy of Dayton, Pathway School of Discovery, Phoenix Community Learning Center, Richard Allen Academy. Pike County: Western Local. Scioto County: Portsmouth City. Vinton County: Vinton County Local. Galena Public, KS; Hamilton City Public, KS; Kansas City Public, KS; Topeka Public, KS; Wichita Public, KS; Clark County School District, NV; Dallas ISD, TX.

Ohio State Contact: Center on Education and Training for Employment, College of Education and Human Ecology, 614-247-8814, www.knottt.net. External Partners: Wichita State University, University of Nevada-Las Vegas, Ohio University, Wright State University, Association of Teacher Educators, National Association for Alternative Certification, Fordham Foundation.

Route B Teacher Licensure Program for Career & Technical Education Teachers

Through this partnership with local school districts and funding from the Ohio Department of Education, for new career and technical education teachers recruited directly from business and industry receive one-on-one teacher education instruction in their high school career and technical classes.

Participating Schools: For teachers enrolled at Ohio State. Ashland County: Ashland West Holmes Career Center. Athens County: Tri-County Career Technical Center. Champaign County: Urbana City—Urbana High. Clark County: Northeastern Local—Northeastern High; Springfield-Clark County Career Technical Center. Delaware County: Delaware Career Center. Franklin County: Columbus City—Fort Hayes Career Center, Southeast Career Center; Dublin City—Dublin Jerome High; Eastland-Fairfield Career & Technical Schools—Eastland Career Center, Fairfield Career Center; Gahanna-Jefferson City—Gahanna Lincoln High; Hilliard City—Hilliard Davidson High; South-Western City—Central Crossing High, Franklin Heights High, South-Western Career Academy; Westerville City—Westerville South High; Columbus Zoo School; Premier Academy of Ohio; Youth Build Columbus Youth Connections. Greene County: Greene County Career Center. Hamilton County: Diamond Oaks Career Technical Center; Scarlet Oaks Career Center. Hardin County: Kenton City—Kenton High; Riverdale Local—Riverdale High; Upper Scioto Valley Local—Upper Scioto Valley High. Knox County: Knox County Career Center. Licking County: C-TEC of Licking County; Granville Exempted Village—Granville High; Licking Heights Local—Licking Heights High. Logan County: Ohio Hi-Point Career Technical Center. Madison County: Tolles Career Technical Center. Marion County: Tri-Rivers Career Technical Center. Montgomery County: Centerville City—Centerville High; Miami Valley Career Technical Center. Morgan County: Morgan Local—Morgan High. Muskingum County: Mid-East Career and Technical Schools. Richland County: Madison Local—Madison High; Mansfield City—Mansfield High. Ross County: Pickaway-Ross Career Technical Center. Sandusky County: Vanguard Career Center. Warren County: Franklin City—Franklin High; Kings Local—Kings High.

Ohio State Contact: School of Physical Activity and Educational Services, Workforce Development & Education Section, College of Education and Human Ecology, 614-270-2547. External Partner: Ohio Department of Education.

School Literacy Professional Development

Marzano strategies (research-based instructional strategies) were presented to 65 high school teachers through four professional development events. The consultant conducted classroom walkthroughs to collect data and coached teachers and students on strategies.

Participating Schools: Available only to certain districts/schools. Must meet grant specifications linked to the Ohio Graduation Test.

Participating Schools: Marion County: Marion City—Harding High.

Ohio State Contact: School of Teaching and Learning, College of Education and Human Ecology, Ohio State Marion, 740-725-6343.

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String Teacher Workshop

This weeklong continuing education workshop for school string teachers is in its 25th season. Over 80 sessions are available during the week, including daily labs to refine teaching, rehearsal, coaching, and conducting skills.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: School of Music, College of the Arts, 614-292-2336, music.osu.edu/node/125.

Teacher Tour Night

Teachers were invited to tour the recently opened winter exhibitions to discuss and learn about the works on display and about how they could relate to topics and issues addressed in their curriculum.

Participating Schools: Available to all districts/schools in Ohio. 2008-09: Delaware County: Big Walnut Local—Big Walnut High. Franklin County: Columbus Catholic Diocese—St. Joseph Montessori Elementary; Hilliard City—Brown Elementary.

Ohio State Contact: Wexner Center for the Arts, 614-292-6493, edweb@wexarts.org, wexarts.org/learn.

Teenage Use of Over-the-Counter and Prescription Drugs

A lecture offered by the Franklin County Safe and Drug-Free Schools Consortium is designed to educate high school and middle school administrators, educators, and counselors about various pharmaceutical agents that are often abused by teenagers. This training enables school personnel to identify students abusing prescription and over-the-counter medications sooner and refer them to appropriate treatment for abuse. The lecture has been given at monthly consortium meetings, at summer orientations for individual school districts, and a summer event for staff of after-school programs.

Participating Schools: Schools in Franklin County.

Ohio State Contact: College of Pharmacy, 614-688-8466, www.pharmacy.ohio-state.edu/outreach/generation-rx/resources/OTC-RxDrugAbuseHandout.pdf. External Partner: Center for Learning Partnerships, Safe and Drug-Free Schools Consortium.

The Ohio State University/Royal Shakespeare Company Partnership

Spearheaded by the Arts Initiative at Ohio State, this international partnership, the only one of its kind in the United States, focuses on a 3-year teacher education program based on the Royal Shakespeare Company's renowned Stand Up for Shakespeare program. It promotes literacy, drama education, and leadership in Ohio public schools. In 2009, involves 20 school teachers from multiple disciplines in STEM schools, who teach 1,700 children. The project will continue for 3 years with multiple central Ohio schools and teachers, working toward 2012 Young People's Shakespeare Festival in Columbus.

Participating Schools: Current partner schools are central Ohio STEM network schools. Franklin County: Columbus City—Linden-McKinley High; Reynoldsburg City; Metro School.

Ohio State Contact: Arts Initiative at Ohio State, 614-292-6299 artsinitiative.osu.edu/royal_shakespeare_company.html; osuandsc.blogspot.com. Internal Partners: Departments of Theatre and English, College of Education and Human Ecology, Wexner Center for the Arts. External Partners: Royal Shakespeare Company, Battelle.



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Teachers engaging in dramatic inquiry (photo courtesy of the Arts Initiative at Ohio State)

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Think Tank

This program enables teachers to gain in-depth knowledge of programming designed for teachers and their students at the Wexner Center, as well as at other arts organizations in Columbus. Teachers are also challenged to think about what effective arts integration looks like—and what it does not look like. Team members collaborate to design creative, interdisciplinary curriculum that uses community and school resources. Cost: \$361/teacher.

Participating Schools: Available to all districts/schools in Ohio. 2008-09: Clinton County: Wilmington City—Rodger O. Borror Middle. Delaware County: Olentangy Local—Alum Creek Elementary. Franklin County: Columbus Catholic Diocese—St. Joseph Montessori Elementary; Columbus City—Dominion Middle; Dublin City—Dublin Coffman High; Hilliard City—Avery Elementary; South-Western City—North Franklin Elementary; Columbus School for Girls; Wickliffe Progressive Community. Logan County: Bellefontaine City—Bellefontaine Middle.

Ohio State Contact: Wexner Center for the Arts, 614-292-6493, edweb@wexarts.org, wexarts.org/learn.

Video Remix

Video Remix was a pilot program inviting creative teens to share their skills and insights with adults (and vice versa) in intergenerational workshops. It was designed for both teens and teachers, giving teens a chance to enlighten their teachers by inviting them to explore this form of creative democracy—and so helping bring it to other young people. A practicing digital artist and youth media educator opened the floor to discussion about the political, legal, and ethical dimensions of remix including a discussion about copyright and fair use.

Participating Schools: Available to all districts/schools in Ohio. 2008-09: Franklin County: Columbus City—Columbus Spanish Immersion Academy; Arts and College Preparatory Academy.

Ohio State Contact: Wexner Center for the Arts, 614-292-6493, edweb@wexarts.org, wexarts.org/learn.

Weld-Ed

Weld-Ed is a National Science Foundation-funded Advanced Technology Education center charged with developing engineering technician courseware. During the summer, the center offers a 2-week high school teacher training course in Advanced Materials Joining, which is used as a technical elective in Ohio to the High School Project Lead the Way series of STEM-based courses. There is a cost for the summer teacher training, but teachers receive the courseware upon completion.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Department of Industrial, Welding & System Engineering, College of Engineering, 614-761-8346, www.weld-ed.org/default.htm.

Wexner Center Teacher Workshops

The Wexner Center's Teacher Workshops offer educators the opportunity to expand their teaching methods through arts integration. During the 2008-2009 year, workshops addressing a variety of topics were held. This year's workshop topics included Hip Hop in the Classroom, Printmaking Today, Teacher Tour Night, and Video Remix (see separate entries).

Participating Schools: Available to all districts/schools in Ohio. 2008-09: Clark County: Northeastern Local—Northeastern High. Delaware County: Big Walnut Local—Big Walnut High. Franklin County: Columbus City—Columbus Spanish Immersion Academy, Salem Elementary, Clearbrook Middle, Medina Middle, Monroe Alternative Middle, Beechcroft High, Briggs High, Independence High; Dublin City—Davis Middle; Gahanna-Jefferson City—Blacklick Elementary; Hilliard City—Hilliard Heritage Middle; New Albany-Plain Local—New Albany School for Kindergarten Bound Students, New Albany Middle; South-Western City—Grove City High; Upper Arlington City—Upper Arlington High; Westerville City—Alcott Elementary; Crittenton Community School, Ecole Francaise, Wellington School. Hamilton County: Great Oaks Career Technical Schools—Diamond Oaks Career Development Center.

Ohio State Contact: Wexner Center for the Arts, 614-292-6493, edweb@wexarts.org, wexarts.org/learn.

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TEACHING RESOURCES

Antarctic Rock Boxes

The United States Polar Rock Repository (USPRR) provides a hands-on set of activities and samples for teachers from within the continental United States. Teachers can request to borrow a rock box that includes samples of rocks, minerals, and fossils from polar regions, as well as trade books and curricular materials developed by teachers for a range of grade levels. The rock box is reserved online and held with a \$50 deposit. Once the rock box and its contents have been returned, the deposit is refunded. Shipping is paid (both ways) by the USPRR. The rock box is a plywood box that has actually been used by a scientist in the Polar Regions, so it is a learning object in and of itself. Teachers can keep the rock box up to 3 weeks. Demand is higher in the fall so it is wise for teachers to place their requests early in the year.

Participating Schools: Available to any districts/schools. Shipping is limited to the North America.

Ohio State Contact: U.S. Polar Rock Repository, Byrd Polar Research Center, Office of Research, 614-292-6646, bprc.osu.edu/education/rr/rock_box/.

Chinese Culture Boxes

The Institute for Chinese Studies has several boxes that can be borrowed for use in schools, libraries, and community organizations for up to 2 weeks. The boxes contain information and lessons about Chinese history, language, art, culture, toys, and games and include Chinese artifacts such as a puppet kit, music CD, abacus, books, and Chinese chess set. Smaller kits are available that contain the artifacts and information for one particular subject or activity. Although materials in the box may be used for display purposes, students are welcome to handle any of the items. The Institute for Chinese Studies will mail the box or separate kits free of charge directly to the school or organization wishing to use the items. They must be returned at the expense of the borrower.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Institute for Chinese Studies, Office of International Affairs, 614-688-4253, china@osu.edu, ics.osu.edu/k_12.html.

Cold Cases: Exploring Social Studies Skills and Methods through the History of Polar Exploration

Cold Cases is a website that makes available to teachers lesson plans for teaching historical skills and methods to high school students using primary sources from the collections of Ohio State's Byrd Polar Archives. The lessons were created by teachers at a workshop held in the summer of 2008. Participants worked with original documents, including letters, diaries, oral histories, reports, and other sources from the collection of the Polar Archives. Working in teams, they selected documents and crafted activity units related to social studies skills and methods dealing with using and analyzing sources. The History Teaching Institute then posted the lessons on its website. The lessons are specific to high school, but could be used in middle school. Primary materials reproduced on the site could be used by teachers in all grades for teacher-created lessons.

Participating Schools: Available to any districts/schools.

Ohio State Contact: History Teaching Institute, College of Humanities, 614-247-9015, hti.osu.edu/byrd/; links also available at bprc.osu.edu/. Internal Partner: Byrd Polar Research Center, Office of Research.

Contemporary Physics Education Project

The Contemporary Physics Education Project (CPEP) has produced a chart of fundamental particles and interactions and a chart for fusion energy. Teachers seeking help in teaching about energy-related issues should consider ways to use materials available from the Contemporary Physics Education Project. Both web-based and paper-based materials are available in addition to the CPEP charts that can help teachers design their own presentations and/or be used with students. Some materials are available from CPEP, some from other sources.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Contemporary Physics Education Project, College of Mathematical and Physical Sciences, Ohio State Marion, 614-005-6250, www.cpepweb.org/.

Foreign Language Ohio Resource Center

The Foreign Language Ohio Resource Center website provides Ohio foreign language teachers with resources that they can use to implement the Ohio Foreign Language Standards in their classrooms. The site contains standards-based lesson plans and assessments, a list of practical FAQs, and information about advocacy.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Foreign Language Center, College of Humanities, 614-292-4361, florc.osu.edu/.



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Global Education Resources

The Office of International Affairs (OIA) provides global education outreach resources to preschool through college (P-16) educators, as well as businesses, state and local government, civic organizations, and the community at large, by promoting a variety of programs and activities on and off campus, in Columbus and around the state of Ohio. The goals are to advance and communicate Area Studies knowledge and global understanding, facilitate and enhance learning of foreign languages and culture, promote knowledge about other parts of the world and Ohio's integration with the world, and promote understanding of diverse perspectives. International Education Outreach shares resources for P-12 educators with the Area Studies Centers and the foreign languages departments at The Ohio State University. These resources include film loan libraries, see the Center for Slavic and East European Studies (<http://slaviccenter.osu.edu/>), the East Asian Studies Center (<http://easc.osu.edu/>), and the Middle East Studies Center (<http://mesc.osu.edu/>). OIA also accommodates schools on campus for international education visits; to inquire about visits, e-mail outreach@oia.osu.edu.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Office of International Affairs, outreach@oia.osu.edu, oia.osu.edu/content/view/418/470/.

History Teaching Institute Website

The History Teaching Institute at The Ohio State University is the P-16 portal of The Harvey Goldberg Program for Excellence in Teaching at the Ohio State University. Over 1,000 visitors use the site each month. The content reflects partnerships with the Cartoon Library and Museum, the Byrd Polar Archive, teachers from several school districts, the Ohio Historical Society, and the Clark County and Mid-Ohio Educational Service Centers. The website contains History Lesson Plans—primary source-based lessons related to European history since 1450 and United States history. All are tied to the Ohio Academic Content Standards. Of special note are (1) The Oppen Project: Using Editorial Cartoons to Teach History includes standards-based, teacher-created, primary source lessons based on editorial cartoons covering more than a century of American history from OSU's Cartoon Library and Museum and (2) Cold Cases: Lessons in Historical Skills and Methods presents five lesson plans that teach historical methods using documents and images related to polar exploration from the OSU Byrd Polar Archive. Other contents of the website include Professional Development—information on projects funded by the U.S. Department of Education's Teaching American History program; and Resources—links to other sites that include high-quality information and lesson plans.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Department of History, Goldberg Program for Excellence in Teaching, College of Humanities, 614-292-2674, hti.osu.edu/.

Institute for Japanese Studies/JASCO Resources for P-12 Educators Teaching about Japan

The Institute for Japanese Studies, in conjunction with the Japan-America Society of Central Ohio, maintains a wide variety of resources and services for use in classroom education about Japan, including lesson plans, a lending library, and professional development workshops. They also maintain a comprehensive list of other institutions' resources that will interest educators teaching about Japan.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Institute for Japanese Studies, Office of International Affairs, 614-292-3345, jasco@osu.edu, japan.osu.edu/resources_for_teachers.html.

Interactive Web Resources Aligned to Ohio Content Standards

This website provides links to interactive activities that are directly aligned to the Ohio Content Standards. It is organized by grade level (pre-K-2, 3-5, middle school, high school) and subject (math, science, language arts, social studies).

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: College of Education and Human Ecology, Ohio State Lima, 419-995-8229, www.lima.ohio-state.edu/academics/education/ed_inactivelinks.html.

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Japan Culture Boxes

The Institute for Japanese Studies, in cooperation with the Japan-America Society of Central Ohio, offers Japan Culture Boxes that can be borrowed for use in schools, libraries, and community organizations for up to 2 weeks. Each box contains an array of items from Japan such as clothing, traditional toys, maps, postcards, cooking utensils, and various other materials. The box also contains a description and background information for each item. Although materials in the box may be used for display purposes, students are welcome to handle any of the items. The Institute for Japanese Studies will mail the box free of charge directly to the school or organization wishing to use the box. The box must be returned at the expense of the borrower.

Participating Schools: Available to any schools, libraries, and organizations in Ohio.

Ohio State Contact: Institute for Japanese Studies, Office of International Affairs, 614-292-3345, jasco@osu.edu, japan.osu.edu/culture_box_program.html.

Livestock Environmental Assurance Program

This curriculum integrates animal sciences with environmental, ecological, and agronomic sciences as a student version of the Livestock Environmental Assurance Program (LEAP). It was created by Ohio State University's departments of Animal Sciences, Human and Community Resource Development, and Food, Agricultural and Biological Engineering. The curriculum includes electronic format of each student LEAP chapter, PowerPoint presentations for each chapter, supplemental photo set to aid classroom discussion, and supplemental DVDs for selected chapters. The Youth Livestock Environmental Assurance Program (Youth LEAP) education module has been distributed to over 300 high school educators in Ohio.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: OSU Extension, 614-292-4504, www.ohleap.org/StudentLEAP/index.html.

Ohio Spider Survey

The mission of the Ohio Spider Survey is to enhance understanding of spiders in Ohio through pursuit of the following goals: promote public education about spider biology and the importance of spiders to healthy ecosystems; conduct surveys of spiders throughout Ohio to determine the status and distribution of spider species in the state; and develop resource materials, in a variety of media, for dissemination of information about spiders. The initial phase of this project includes a survey of existing collections of spiders, as well as a review of recently published Ohio records. Collections will be further developed with systematic samples from major habitat types across the state. The collections will be permanently housed at the Museum of Biological Diversity.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Department of Entomology, College of Biological Sciences, Ohio State Marion, 614-005-6266, marionbiology@osu.edu, www.marion.ohio-state.edu/spiderweb/mainpage.htm.

Opper Project

The Opper Project is a partnership between the Cartoon Research Library, the History Teaching Institute of The Harvey Goldberg Program for Excellence in Teaching in the History Department, and the Association of American Editorial Cartoonists. The goal of the project is to make editorial cartoons accessible and usable to K-12 classroom teachers across the United States, not just as illustrations but as significant primary sources for understanding the past. Cartoons from the Cartoon Research Library have been digitized and posted on the History Teaching Institute website along with teacher-created lesson plans, worksheets, and information on the history of editorial cartoons.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Cartoon Research Library, University Libraries, 614-292-0538, hti.osu.edu/opper/. Internal Partner: College of Humanities, Department of History, History Teaching Institute.

Principal's Office

This website brings timely and relevant information to school principals. The website hosts content such as a monthly checklist to assist principals with to-do items throughout the year, information about the political landscape in Ohio and beyond, practical advice about daily school management, and relevant articles and books focused on school leadership.

Participating Schools: Available to any districts/schools.

Ohio State Contact: P-12 Project, Office of Academic Affairs, 614-688-0474, principal@osu.edu, principalsoffice.osu.edu. Internal Partner: Interprofessional Commission of Ohio.



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TEACHING RESOURCES

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TEACHING RESOURCES

Slavic Studies In-school Presentations and Artifact Boxes

The Center for Slavic and Eastern European Studies offers presentations by experts on Central and Eastern Europe, Russia, the Caucasus, and/or Central Asia. Members of the Outreach Team (graduate students, university professors, and native speakers who are experts in the region) are available, free of charge, to come to schools to give presentations on a number of topics. The teams are prepared with interactive presentations and hands-on activities for students of all ages. Artifact Boxes contain hands-on objects to teach about Russia. These boxes can be rented, free of charge, for a 2-week period. They contain visual aids to help teach about Russia and the former Soviet Union.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Center for Slavic and Eastern European Studies, Office of International Affairs, 614-292-8770, csees@osu.edu, slaviccenr.osu.edu/teachers_inschool.html.

Statewide Career-Technical Education Testing Using the Internet

This project consists of multiple-choice tests that are delivered using the Internet or print. Tests are aligned to occupational content standards developed by the Ohio Department of Education.

Participating Schools: Ohio Career-Technical Planning Districts.

Ohio State Contact: Center on Education and Training for Employment, College of Education and Human Ecology, 614-292-9072, www.webxam.org, www.cete.org.

Struggles and the Glory of the Pre-Darwinians

A Metro School teacher chose several students who helped collect biographical data on important scientists who contributed to, or disputed, evolutionary theory prior to Darwin's 1859 book. The Museum of Biological Diversity published the material in a booklet, *The Struggles and the Glory of the Pre-Darwinians*, and distributes it free to any public school in Ohio. More than 3,000 copies have been disseminated to date.

Participating Schools: Available to all districts/schools in Ohio. Franklin County: Metro School.

Ohio State Contact: Department of Entomology, Museum of Biological Diversity, College of Biological Sciences, 614-292-7773, mbd.osu.edu.

TeachGlobalEd.net: Online Resources for Global Educators

The online modules were developed to provide teachers with easy access to high-quality scholarship, primary sources, and web-based connections to five world regions. All the resources in the modules are recommended by Title VI national resource centers. Only some of the resources are appropriate for middle and high school students. The site is organized by region and by global topic and it is connected to a global educators' listserv called World727 where teachers talk about resources, pedagogy, and issues in teaching world cultures, global events, world history, and related topics.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Social Studies and Global Education Program, College of Education and Human Ecology, TeachGlobalEd.net. Internal Partners: Center for African Studies Center, East Asian Studies Center, Center for Latin American Studies, Middle East Studies Center, Slavic and Eastern European Studies Center. External Partner: Indiana University Center for the Study of Global Change.

U.S. Polar Rock Repository Website

The Repository website contains teachers' guides and activities for elementary school students about Antarctica and a Web Expedition for high school students. These activities are designed to use as a supplement to Earth Science courses. The materials are aligned with national and Ohio educational standards. Teachers can also find information about touring the repository and borrowing an Antarctic Rock Box, which contains rocks from Antarctica.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: U.S. Polar Rock Repository, Byrd Polar Research Center, Office of Research, 614-292-5348, www.bprc.osu.edu/rr.

USSR vs. USA: Soviet and American Posters in WWII

This colorful freestanding display compares World War II-era Soviet and American propaganda posters on a variety of themes, including Women at War, On the Home Front, and Motivation to Fight. The display will be especially interesting to history and social studies classes, particularly those dealing with American history. Teachers may request this display for 1 week at a time, and the Slavic Center will arrange for delivery and pick-up.

Participating Schools: Available to all districts/schools in Ohio.

Ohio State Contact: Center for Slavic and Eastern European Studies, Office of International Affairs, 614-292-8770, csees@osu.edu, slaviccenr.osu.edu/teachers_inschool.html.

Teachers & administrators

Wexner Center Teacher Open House

Annually, the Wexner Center hosts an evening for K-12 teachers to introduce them to all of the programs they can participate in and recognize them for the work they do every day in their classrooms.

Participating Schools: Available to any districts/schools. 2008-09: Delaware County: Big Walnut Local—Big Walnut Elementary, Big Walnut Middle; Buckeye Valley Local—Buckeye Valley West Elementary; Delaware City—Rutherford B Hayes High; Olentangy Local—Alum Creek Elementary. Franklin County: Bexley City—Cassingham Elementary, Montrose Elementary; Columbus Catholic Diocese—Our Lady of Perpetual Help Elementary, St. Joseph Montessori Elementary, St. Matthew Elementary, Bishop Watterson High; Columbus City—Arlington Park Elementary, Duxberry Park Alternative Elementary, Easthaven Elementary, Ohio Avenue Elementary, Windsor Academy Alternative Elementary, Champion Middle, Dominion Middle, Franklin Alternative Middle, Columbus Alternative High, Marion-Franklin High, SuccessWorks Academy; Dublin City—Henry Karrer Middle, Dublin Coffman High, Dublin Jerome High, Dublin Scioto High; Gahanna-Jefferson City—Blacklick Elementary, Lincoln Elementary, Gahanna Lincoln High; Grandview Heights City—Thomas A. Edison Intermediate Middle, Grandview Heights High; Groveport Madison Local—Groveport Madison High; Hilliard City—Avery Elementary, Hoffman Trails Elementary, J.W. Reason Elementary, Hilliard Darby High; New Albany-Plain Local—New Albany Elementary, New Albany K-1 Elementary, New Albany Middle, New Albany High; South-Western City—Highland Park Elementary, North Franklin Elementary, Franklin Woods Intermediate, Park Street Intermediate, Grove City High; Upper Arlington City—Barrington Road Elementary, Hastings Middle, Jones Middle, Upper Arlington High; Westerville City—Westerville Central High, Westerville North High, Westerville South High; Whitehall City—Etna Road Elementary, Kae Avenue Elementary, Whitehall Yearling High; Worthington City—Worthington Hills Elementary; Columbus Preparatory Academy, Columbus School for Girls; FCI Academy; Our Day Preschool; ScholArts Public Community; Xenos Christian Elementary. Knox County: Centerburg Local—Centerburg Middle. Lake County: Wickliffe City—Wickliffe Elementary. Logan County: Bellefontaine City—Bellefontaine Middle. Morrow County: Highland Local—Highland Middle. Pickaway County: Circleville City—Court Elementary; Logan Elm Local—George McDowell-Exchange Junior High; Teays Valley Local—Teays Valley High; Westfall Local—Westfall Elementary. Union County: Marysville Exempted Village—Mill Valley Elementary, Ohio Elementary, Raymond Elementary, Creekview Intermediate, Marysville Middle, Marysville High.

Ohio State Contact: Wexner Center for the Arts, 614-292-6493, edweb@wexarts.org, wexarts.org/learn.

CONSULTATION

ACT Ohio Council

Ohio State-Newark is an institutional member of the ACT Ohio Council, whose mission includes improving the transition from high school to college, and, in particular for Ohio, improving the rate of college attendance. Activities of the organization include an annual conference.

Participating Schools: Representatives from Ohio colleges, secondary schools, access groups.

Ohio State Contact: Admissions, Ohio State Newark, 740-366-9123.

Arts and Sciences Public School Partnership Advisory Committee

The committee's goal is to develop two-way partnerships between public school teachers and their students and Ohio State Arts and Sciences faculty and students in the following areas: (1) Ohio State faculty visits to public school classrooms; (2) teaching partnerships to think through classroom practices; (3) middle and high school student visits to Ohio State's campus in the context of ongoing relationships; and (4) shepherding a process for learning about available resources at Ohio State and in public school districts and sharing it with our colleagues in systematic ways. Increasing the number and quality of K-12/Arts and Sciences partnerships through classroom activities and campus visits should have the following impacts: increase public school students' awareness of the opportunities in arts and sciences fields, opportunities for study and opportunities for careers; make public school teachers more aware of Ohio State resources; make Arts and Sciences colleges and faculty more aware of secondary student preparation and of the roles that state education standards play in requirements for undergraduate pre-education majors; and increase school district leaders' awareness of resources in core content areas.

Participating Schools: Available to central Ohio school districts. Regional Ohio State campuses may have advisory committees for other areas of the state. Delaware County: Big Walnut Local, Olentangy Local. Franklin County: Columbus City, Dublin City, Gahanna-Jefferson, Grandview Heights City, Hamilton Local, New Albany-Plain Local, Reynoldsburg City, South-Western City, Upper Arlington City, Westerville City, Worthington City, Metro School. Licking County: Licking Heights Local.

Ohio State Contact: Colleges of the Arts and Sciences, 614-688-5557, ascommunitypartnerships.osu.edu/teachers.cfm. Internal Partner: P-12 Project, Office of Academic Affairs.



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Belmont County Community and Family Wellness Coalition

The Belmont County Community and Family Wellness Coalition, organized by OSU Extension, continues monthly meetings to help schools meet unfunded wellness mandates. Meeting attendance increased in 2008 with all seven Belmont County school districts represented. Grant-funded teacher/staff training events for 2008 included Tools for Schools Cook's Conference (50 attendees) and a series of School Staff Wellness Presentations with 450 participants from 4 school districts. The Wellness Wake-Up newsletter is distributed on the back of school cafeteria menus taken home by approximately 5,000 students each month.

Participating Schools: Belmont County: Barnesville Exempted Village, Bellaire Local, Bridgeport Exempted Village, Martins Ferry City, Shadyside Local, St Clairsville-Richland City, Union Local.

Ohio State Contact: OSU Extension, Belmont County, belmont.osu.edu.

Education Advisory Council

Eight area teachers serve as advisors to Ohio State Mansfield Education Department faculty and also teach undergraduate education courses.

Participating Schools: Schools in Huron and Richland counties.

Ohio State Contact: College of Education and Human Ecology, Ohio State Mansfield, 419-755-4249 .

GRAD: Global Risk Assessment Device: Assessing Nonacademic Barriers to Student Success

The Ohio State University Center for Family Research (CFR) has developed a unique version of the Global Risk Assessment Device (GRAD) for administration by school personnel to at-large groups of students. This allows for large-scale assessment of youth risks and needs related to nonacademic barriers to success. The proctored school version (PS-1 version) is a paper and pencil assessment administered to students by a proctor. The PS-1 version of the assessment uses the youth/student perspective to rate his or her level of risk and is appropriate for youth in grades 5-12. This version contains four domains: Education, Family/Parenting, Peers, and Mental Health issues. From the student assessments, the CFR provides the school with individual risk profiles on each student. Additionally, the CFR compiles a final report on the nonacademic barriers to student success (aggregated at both the individual school building as well as the overall district) within the school population and provides recommendations for addressing these more global concerns. The CFR staff will meet with school administrative representatives to discuss the findings and recommendations and can present the findings to the school teaching staff and discuss the implications that these findings have on student success. Cost varies by size of the project including number of schools involved and number of students assessed.

Participating Schools: Available to any districts/schools. 2008-09: Cuyahoga County: Cleveland Municipal. Franklin County: Columbus City.

Ohio State Contact: Center for Family Research, College of Education and Human Ecology, 614-247-1603, www.gradcis.com.

Higher Education Partnership

The Higher Education Partnership formally links 10 higher education institutions with Columbus City Schools to address P-16 issues in urban education. Charter members The Ohio State University, Otterbein College, and Columbus State Community College were joined by Ashland University, Capital University, Columbus College of Art and Design, DeVry University, Franklin University, Ohio University, and Ohio Dominican University. Its goals are to improve student performance, assist in teacher professional development, and develop a strategic research program in Columbus City Schools.

Participating Schools: Franklin County: Columbus City.

Ohio State Contact: P-12 Project, Office of Academic Affairs, 614-688-3621. highereducationpartnership.org/index.htm. External Partners: Otterbein College, Columbus State Community College, Ashland University, Capital University, Columbus College of Art and Design, DeVry University, Franklin University, Ohio University, Ohio Dominican University.



Teachers & administrators

Implementing a Comprehensive System of Learning Supports in Mansfield City Schools

The Ohio State University College of Social Work (OSU-CSW), in partnership with the Ohio Department of Education (ODE), conducted a pilot implementation process focused on building capacities in relation to the recently adopted Comprehensive System of Learning Supports (CSLS) Guidelines. The guidelines provide an expanded school improvement model that emphasizes improving academic outcomes; addressing barriers to learning; and promoting positive youth development. As a selected pilot site, Mansfield City Schools (MCS) worked extensively with OSU-CSW to plan for CSLS implementation. The implementation process for MCS began with a needs assessment of nonacademic indicators of academic success. With technical assistance and consultation from OSU-CSW, MCS collected data from staff and students. Guided by the data, teams within the district then utilized strategic planning methods to develop specific goals and action steps in relation to this assessment. MCS instituted several innovations in response to the needs assessment: (1) prioritizing school climate in planning; (2) restructuring district- and building-level teams to support planning; (3) revising roles and responsibilities to address nonacademic barriers to learning; (4) developing new action steps to increase the effectiveness of student support personnel; and (5) creating a district-wide team and plan for data collection and management.

Participating Schools: Richland County: Mansfield City.

Ohio State Contact: College of Social Work, 614-292-8596. External Partner: Ohio Department of Education.

Ohio Association of College Admission Counseling (OACAC)

Ohio State Newark is an institutional member of OACAC, whose mission includes improving the transition from high school to college, and, in particular for Ohio, improving the rate of students who attend college. Activities of the council include workshops and an annual conference.

Participating Schools: All Ohio high school and college counselors.

Ohio State Contact: Admissions, Ohio State Newark, 740-366-9123.

Ohio Department of Education's 21st Century Community Learning Centers (CCLC) Initiative

Ohio State provided training, technical assistance, and evaluation support for 21st CCLCs and related after-school programs across the state of Ohio.

Participating Schools: More than 100 school districts in Ohio funded by the 21st CCLC initiative.

Ohio State Contact: College of Social Work, 614-292-6934, www-old.csw.ohio-state.edu/cayci/occmssi.htm.

Scientific Literacy in Akron City Schools

Programs strengthening school-based science programs reach beyond the traditional 4-H community and bring hands-on learning experiences to the Akron City elementary schools. The partnership, started last year with the assistance of an OSU Extension Urban Seed Grant, has continued to benefit the system. Plans are underway to expand this school enrichment program to the 16 school systems affiliated with the Summit County Educational Service Center. Akron schools will be implementing the 4-H hands-on science curriculum in all third-grade classrooms, specifically, the Chick Quest curriculum (life cycles) and rocketry (motion).

Participating Schools: Summit County: Akron City.

Ohio State Contact: OSU Extension, Summit County, summit.osu.edu.

Successful Schools—Successful Communities

OSU Extension is facilitating community engagement in neighborhood schools through organizing work with two Neighborhood Education Committees in the Cleveland Metropolitan School District. Neighborhood Education Committees bring together parents, teachers, school administrators, and interested citizens to focus on the educational success of children in the neighborhood. Parent support and community engagement in the schools are the targeted outcomes. 104 female high school students from John Adams High School completed an engineering internship program with General Motors as a result of an education summit held with parents, business leaders, and community members interested in enhancing students' learning opportunities. The summit was supported by a grant from America's Promise and facilitated by OSU Extension.

Participating Schools: Cuyahoga County: Cleveland Municipal.

Ohio State Contact: OSU Extension, Cuyahoga County, 330-466-0912 or 614-292-8436.



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Truancy Reduction and Dropout Recovery Assistance through Programming

The Ohio State University Center for Family Research (CFR) has adapted the Growing Up FAST program for use in school settings. Growing Up FAST is an evidence-based initiative designed to help families with adolescents navigate through both common developmental demands and specialized needs related to at-risk behaviors. This program targets middle and high school students at risk for academic difficulties related to educational motivation or attendance difficulties (absenteeism and truancy), as well as those individuals who have dropped out of school and are in the midst of developing a graduation plan. The program focuses on facilitators working with the student and selected caring adult (family member, mentor, teacher, etc.) to define what it means to the student-adult dyad to be a successful student, to identify ways that they are already being successful in this definition, and identify a way to improve with just a little additional effort. The facilitators work with the students on problem-solving skills. CFR staff will train school personnel (including counselors and teachers) to be facilitators for the student-adult dyads and to be able to use program skills to reinforce student commitment to and investment in the educational process and end educational goals. Regular supervision by facilitators during the initial implementation process is provided. Contact the Center for Family Research for details.

Participating Schools: Franklin County: Columbus City; Academic Acceleration Academy.

Ohio State Contact: Center for Family Research, College of Education and Human Ecology, 614-688-5916, 614-292-5620, familyresearch.osu.edu/index.cfm.

Upper Arlington High School Diversity Consultation

Multicultural Center Intercultural Specialists participated in a facilitated discussion by the school principal about the growing diversity of the school's student population and the associated skill sets that are going to be necessary to meet the needs of these new populations. Four Multicultural Center staff discussed the subject with counselors and the principal on March 19, 2009.

Participating Schools: Franklin County: Upper Arlington City—Upper Arlington High.

Ohio State Contact: Multicultural Center, Office of Student Life, 614-688-8449, mcc@studentlife.osu.edu.

STUDENT TEACHING

Educational Field Experience Courses—Ohio State Mansfield

M.Ed. Early Childhood Methods Block (ED T&L 708.70/Pre-K, ED T&L 723.70)—Math Methods, Pedagogy, and Pre-K Education

M.Ed. Early Childhood Methods Block (ED T&L 713.70, 743.70, 705.70, and 737.70)—Math, Science, Reading, and Social Studies Methods

M.Ed. Early Childhood Methods Block (ED T&L 729.70 and ED T&L 702.70)—Science and Language Arts Methods

M.Ed. Middle Childhood Methods Block (ED T&L 601, 718, and 731.20)—Foundations, Pedagogy, and Science Methods

M.Ed. Middle Childhood Methods Block (ED T&L 705.20, 706.20, and 603)—Reading and Language Arts Methods and Integrated Curriculum

M.Ed. Middle Childhood Methods Block (ED T&L 738.20 and 709.20)—Social Studies and Math Methods

Music 370 (Music for Elementary Teachers)—student teaching placements in elementary school music programs

Student Teaching Internship (ED T&L 885.20/885.70)—culminating full-time teaching internship in M.Ed. Program

Undergraduate Phonics (ED T&L 669)—state-required phonics course

Undergraduate Reading Foundations (ED T&L 668)—state-required reading foundations course

Participating Schools: Huron County: Willard City—Central Elementary. Morrow County: Northmor Local—Northmor High.

Richland County: Clear Fork Valley Local—Butler Elementary, ClearFork Middle; Lexington Local—Eastern Elementary, Western Elementary, Lexington Junior High; Lucas Local—Lucas Elementary, Lucas Heritage Middle; Madison Local—Eastview Elementary, Mifflin Elementary, South Elementary, Wooster Heights Elementary, Madison Jr High; Mansfield City—Brinkerhoff Intermediate; Ontario Local—Stingel Elementary; Plymouth -Shiloh Local—Shiloh Middle; Shelby City—Auburn Elementary, Dowds Elementary, Central Intermediate; Toledo Catholic Diocese—St. Peter's Preschool, Elementary, Junior High; Discovery School.

Ohio State Contact: Educational Field Experience, College of Education and Human Ecology, Ohio State Mansfield, 419-755-4249.

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First Education Experience Program (ED PAES 271/289.01)—Ohio State Mansfield

FEEP provides interested university students with 10 weeks of intensive, onsite experience with the school professions. Students work directly under the supervision of expert and experienced teachers, principals, school psychologists, school counselors, school nurses, school social workers, and other school professionals. Students spend a total of 120 hours in the schools over a 10-week period with their cooperating school professional.

Participating Schools: Crawford County: Galion City—Galion Middle. Richland County: Clear Fork Local—Butler Elementary; Madison Local—Madison Junior High; Mansfield City—Prospect Elementary; Toledo Catholic Diocese—St. Peter's High; Mansfield Christian.

Ohio State Contact: Educational Field Experience, College of Education and Human Ecology, Ohio State Mansfield, 419-755-4249, ehe.osu.edu/PAES/feep.

First Education Experience Program—Columbus Campus

FEEP provides interested university students with 10 weeks of intensive, onsite experience with the school professions. Students work directly under the supervision of expert and experienced teachers, principals, school psychologists, school counselors, school nurses, school social workers, and other school professionals. Students spend 3 hours each day for 4 days each week, in the schools with their cooperating school professional. Different schools are used each quarter. Every year the FEEP program provides approximately 31,000 hours of classroom support for the teachers and students of five Franklin County school districts.

Participating Schools: Franklin County: Columbus City, Hilliard City, South-Western City, Upper Arlington City, Whitehall City.

Ohio State Contact: School of Physical Activity and Educational Services, FEEP, College of Education and Human Ecology, 614-292-9964, ehe.osu.edu/PAES/feep.

K-2 Science Standards Taught in the Context of Drinking Milk

The objective of this event was to give preservice educators a real-life opportunity to teach and enhance the transfer of learning, while improving agricultural literacy in young urban children. To achieve this goal, a partnership with the Columbus School for Girls was created. Ohio State students enrolled in Agricultural and Extension Education 530.01 created daily teaching plans for their teaching laboratories and then visited the first-grade classes early in the term. The future Extension educators conducted a demonstration with first-grade girls on how fat globules transform from a liquid state into real butter. With this experience and material learned in the course, the preservice educators improved their teaching methods. During the last week of the course, the first-grade girls engaged in the K-2 science standards at the university's dairy farm, a nontraditional, contextual learning environment. Content of the context-based dairy addressed science standards; each group focused on a different benchmark or standard. This collaboration built relationships between elementary teachers and future Extension educators, while incorporating real teaching of young students about agricultural literacy.

Participating Schools: Only a limited number of districts/schools/youth can be served, Franklin County: Columbus School for Girls.

Ohio State Contact: Department of Human and Community Resource Development, College of Food, Agricultural, and Environmental Sciences.

Master Exchange of Services Agreement

The College of Education and Human Ecology, along with the Franklin County Superintendents Association and the Franklin County Teachers Associations, has maintained a long-standing exchange of services agreement that allows the college to place clinical preservice candidates in Franklin County schools. In exchange for these clinical placements, the college provides professional development services in school districts. The professional development is defined as fee authorizations that can be used for on-campus tuition in appropriate career-related coursework. It is also defined as providing customized courses delivered off campus within the school districts. School districts collaborate with Ohio State faculty to customize graduate coursework for their licensed staff at reduced tuition rates. Professional development credit is also earned by school districts when faculty or graduate students conduct research in participating school districts.

Participating Schools: Franklin County: Bexley City, Canal Winchester Local, Columbus Catholic Diocese, Columbus City, Dublin City, Eastland-Fairfield Career Center, Educational Service Center of Central Ohio, Gahanna-Jefferson Public, Grandview Heights City, Groveport Madison Local, Hamilton Local, Hilliard City, New Albany-Plain Local, Reynoldsburg City, South-Western City, Upper Arlington City, Westerville City, Whitehall City, Worthington City

Ohio State Contact: Office of Outreach and Engagement, Schools and Agencies Network Group, College of Education and Human Ecology, 614-292-2581, ehe.osu.edu/outreach/schools-network/.



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Ohio State Lima/Lima City Schools Professional Development Partnership

The Professional Development School (PDS) program is a partnership between the Ohio State University at Lima and Lima City Schools. In its second year the program engaged 10 preservice early childhood M.Ed. students in a year-long internship in Lima City Schools' K-3 classrooms. Teacher candidates complete 30 credits of coursework as they teach onsite in an urban school throughout their master's degree program. This intensive field-based program allows teacher candidates to enter professional practice opportunities by working with expert practitioners while they immerse themselves into the schools' culture, develop deeper understanding of student learning, and meaningful experiences from which they can draw when they enter the profession as a first-year teacher. Through onsite courses and joint school-based projects, the PDS program allows school and university educators to engage collaboratively in research and rethinking of practice, thus creating an opportunity for the profession to expand its knowledge base by putting research into practice and practice into research. PDS students, cooperating teachers, and university faculty participate in professional development workshops and courses offered for educators at the university and through the school district, further enhancing the culture of professional learning within schools that will better meet the unique needs of today's students.

Participating Schools: Allen County: Lima City— Freedom Elementary, Heritage Elementary, Independence Elementary, Liberty Elementary, Unity Elementary.

Ohio State Contact: School of Teaching and Learning, College of Education and Human Ecology, 419-995-8274, 419-995-8125, www.lima.ohio-state.edu/academics/education/ed_MED_PDS.html.

Preservice Teaching Experiences

Franklin County schools hosted preservice teachers from over 20 different Ohio State programs in their classrooms earning a combined 3,995 tuition authorizations for their professional staffs. The programs included Art Education, Chinese Alternative Licensure Program, Early Education Programs, Family Consumer Sciences Programs, First Education Experience Program, Foreign Studies Language Programs, Integrated Business Programs, Hearing Impaired Programs, Vision Impaired Programs, Middle Childhood Programs, Math and Science Programs, Music Programs, Physical Education Programs, Adapted Physical Education Programs, Speech/Hearing and Language Programs, Technical Education Programs, Dance Programs, Drama Programs, English Programs, English as a Second Language Programs, Social Studies Education Programs, Special Education Programs, School Counseling Programs, and Clinical Counseling Programs.

Participating Schools: Franklin County: Bexley City, Canal Winchester Local, Catholic Diocese of Columbus, Columbus City, Dublin City, Eastland-Fairfield Career Center, Educational Service Center of Central Ohio, Gahanna-Jefferson Public, Grandview Heights City, Groveport Madison Local, Hamilton Local, Hilliard City, New Albany-Plain Local, Reynoldsburg City, South-Western City, Upper Arlington City, Westerville City, Whitehall City, Worthington City.

Ohio State Contact: Office of Outreach and Engagement, College of Education and Human Ecology, 614-292-2581, ehe.osu.edu/outreach/schools-network/.

Student Teaching Internship (ED T&L 885.20/885.70)

Culminating full-time Teaching Internship in MEd Program

Participating Schools: Richland County: Clear Fork Local—Bellville Elementary; Lexington Local—Lexington Junior High, Western Elementary; Madison Local—Eastview Elementary, Madison Junior High, Mifflin Elementary.

Ohio State Contact: Educational Field Experience, College of Education and Human Ecology, Ohio State Mansfield, 419-755-4249.