

# Enhancing Science Instruction with Inquiry Challenges

**To All Ohio Middle and High School Science Teachers**  
**Join us for a 21<sup>st</sup> century skills experience this summer!**  
**Register at <http://www.ohiorc.org/for/science/inquiry>**

The Ohio Resource Center (ORC) is offering a 3-day professional development program that focuses on the use of inquiry challenges to investigate real-world essential questions. Inquiry challenges provide students with opportunities to investigate standards-based scientific concepts through extended inquiry. Participants will:

- explore how inquiry fosters the development of 21<sup>st</sup> century skills such as creativity and innovation, critical thinking and problem solving, and communication and collaboration
- experience an inquiry challenge
- learn strategies for managing inquiry challenges in the classroom
- learn about essential and critical questions
- work in teams to develop an inquiry challenge
- examine inquiry and the learning cycle through the lens of an inquiry challenge
- discuss formative and summative assessment of an inquiry challenge
- learn about ORC's science features

**When and Where** (All institutes will meet from 9:00 to 4:00 each day of the institute.)

Central Ohio: June 15—17, Ohio Resource Center, Columbus

Southeast Ohio: June 16—18, Muskingum Valley Educational Service Center, Zanesville

Southwest Ohio: June 24—26, Clermont County Educational Service Center, Batavia

Northwest Ohio: June 24—26, Van Buren Local Schools, Van Buren

Northeast Ohio: June 29—July 1, Youngstown State University, Youngstown

Northern Ohio: June 29—July 1, ESC of Lorain County, Elyria

**Cost:** \$295, payable to OSU-Ohio Resource Center by purchase order or credit card. No refunds will be issued. Lunch will be provided.

## Credit Options

There are three options for credit. Participants may choose to enroll for summer credit from either OSU or YSU, academic year credit through *iDiscovery*, or both.

- Participants can earn two quarter hours of credit from Ohio State University-Lima for the summer institute. The fee is \$134 per quarter hour.

**-OR-**

- Participants can earn one semester hour of credit from Youngstown State University for the summer institute. The fee is \$129.32 plus a \$30 one time only fee for admission to the graduate school.

**-AND/OR-**

- An academic year follow-on program is available through *iDiscovery's* online program. Participants earn two fee-waived graduate semester credits in Science Teacher Education from Miami University. Following the fall semester, participants may opt for a second semester of online work and earn an additional two fee-waived graduate semester credits in Science Teacher Education. There is a \$50 nonrefundable course application fee each semester.

Participants will receive a certificate of completion at the end of the program that indicates the number of professional development hours.

For more information, contact Dr. Terry Shiverdecker at [tshiverdecker@ohiorc.org](mailto:tshiverdecker@ohiorc.org).