

Gifted: Understanding Inquiry Science

Co-sponsored by

IAGC and Daniel Webster Middle School, Waukegan, IL

WHAT WILL BE COVERED?

During this course educators will be exposed to practical ways to facilitate inquiry, critical thinking, and support teacher self-efficacy in the teaching of science. At each step, teachers will be exposed to strategies and methods that have been proven to promote inquiry science learning by students. Teachers will be encouraged to reflect on and apply the strategies that will support learning in their classrooms with their students in mind.

Participants will be responsible for reflective discussion each week with a final journal reflection about their chat-partnership experience. Teachers will be required to meet with the instructor at the beginning, middle and end of the course and present their two projects, which relate to their reading from *Inquiry and the National Science Education Standards*. Online, pdf and text versions are available at:

http://books.nap.edu/openbook.php?record_id=9596&page=1

WHAT SKILLS WILL THIS HELP ME DEVELOP?

As a result of the course, the participants will:

- Create projects which reflect understanding of inquiry teaching and learning
- Reflect on instructional practices in their classrooms
- Develop learning conversation skills applicable to their classrooms
- Provide evidence of the tenants of inquiry
- Support inquiry-based learning in their classroom
- Assess inquiry learning by students
- Support rigorous content learning

This class addresses IAGC Knowledge Standards #1, 4, 5, 6, 8, & 10.

WHAT ARE THE DATES, TIME FRAMES, AND LOCATION?

Class meeting dates:

1. **Tuesday, September 22, 4:00 p.m. - 6:00 p.m.**,
(online assignments due Sept. 29, Oct. 6, 13, 20)
2. **Saturday, November 7, 9:00 a.m. - 4:00 p.m.**,
(on line assignments due Nov. 10, 17, 24, Dec. 1)
3. **Saturday, December 12, 9:00 a. m. - 4:00 p.m.**
Final meeting.
(An additional week will be given to improve final projects).

Taught by: **Liz Fayer, MS, EdS**

Location: **Daniel Webster Middle School, 930 New York Street,
Waukegan, IL.**

(Grand Ave. (Route 132) 1 ½ miles east of Green Bay Rd., north 1 block on New York Street)

About the Presenter:

Liz Fayer has a MS in Biology and a Curriculum and Instruction Specialist degree. Over the past several years, she has presented at the Illinois Association for Gifted Children (IAGC) conferences on topics that include problem-based-learning (PBL), backward design (UBD), and science inquiry. In addition, Liz has presented IAGC workshops/courses and guided professional development for school districts on topics such as PBL and using UBD to differentiate instruction for regular and gifted students. Additionally, Liz advises and coaches school districts on the alignment of curriculum to standards, inquiry, engagement, instructional focus, and materials acquisition. In South Dakota, Liz developed a forensics curricular day for gifted HS students in conjunction with the Center for Conservation of Biological Resources and the Center for the Advancement of Math and Science Education at Black Hills State University.

**Registration Form for Gifted: Understanding Inquiry Science
Sept. 22, Nov. 7 and Dec. 12, 2009**

Questions? Call the IAGC office at 1-847/963-1892

**ILLINOIS ASSOCIATION
FOR GIFTED CHILDREN**

Name _____

Home Address _____

City,State,Zip _____

Home County _____ (ex. Cook, Lake, etc.)

Home Phone _____ Home Email _____

District _____ School _____

Position _____ Grades _____

Work Address _____

City,State, Zip _____

Work County _____

Work Phone _____ FAX _____

Email _____ SS# _____

Fees
IAGC Membership No. _____

- _____ \$50 New Member fee
- _____ \$380 Early Bird, prior to August 22*
- _____ \$430 Late registration, after August 22*

IAGC Non-members
_____ \$430 Early Bird, prior to August 22*
_____ \$480 Late registration, after August 22*

No refunds will be made after the first class. A \$25 handling fee will be charged for all cancellations.

Three hours of graduate credit is available for the class. The forms for AU registration for graduate credit will be available at the first class. Payment by check for \$350 payable to IAGC will be due the first class.
CPDU's available

To register please fill out the form and mail with your check to: IAGC Registration, 800 E. Northwest Hwy., Palatine, IL 60074



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Conducted by Liz Fayer

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Saturday, November 7, 2009
Saturday, December 12, 2009**

**Location:
Daniel Webster Middle School
930 New York Street
Waukegan, IL. 60085**