

An Introduction to Problem-Based Learning in Science for Gifted, Standard, and Special Education Students Grades 3 - 8

Co-sponsored by IAGC and Woodland Middle School in Gurnee

WHAT WILL BE COVERED?

This seminar introduces problem-based learning (PBL) as an effective tool for engaging and empowering students to become self-directed learners. PBL strategies including ill-structured problems, teacher as facilitator, and positive communication will be modeled and examined. Support will be provided as teachers explore how PBL prepares students to think critically, work cooperatively, and solve complex problems.

WHAT SKILLS WILL THIS HELP ME DEVELOP?

Upon completion of the class, the learner will be able to:

- Empower students to ask questions
- Create engaged and active learners
- Assess students as they learn
- Present real-world problems that require students to use primary sources of data along with manipulative, interactive, and physical materials
- Assist students with learning how to learn
- Emphasize scientific inquiry as opposed to memorization of facts
- Integrate core content with authentic problem solving
- Assist students in making observations, gathering data, predicting outcomes, redefining solutions, considering evidence, gathering research materials and information, and solving problems.

This class addresses IAGC Knowledge Standards 5 & 6.

WHAT ARE THE DATES, TIME FRAMES AND LOCATION?

Class will meet: **Thursday and Friday, October 18-19, 2007**

From: **8:30 a.m. to 3:45 p.m.**

Location: **Woodland Middle School, 7000 Washington Street, Gurnee, Ill 60031**

About the Presenter

Liz Fayer has a MS in Biology and is currently working on a Curriculum and Instruction Specialist degree from the University of South Dakota. Liz has presented at the Illinois Association for Gifted Children (IAGC) conferences on topics that include problem-based-learning (PBL), backward design (UBD), and inquiry. Over the past several years, Liz has presented IAGC workshops on PBL and using UBD to differentiate instruction for regular and gifted students. Additionally, Liz advises and coaches in school districts on topics that include aligning curriculum to standards, program modifications, inquiry, engagement, instructional focus, and material acquisition. As part of this work, Ms. Fayer consults for the Center for the Advancement in Math and Science at Black Hills State University in SD.

Coffee & refreshments provided; lunch on your own

**Registration Form for Problem Based-Learning in Science for Gifted, Standard and
Special Education Students Grade 3 – 8, Woodland School, Gurnee, IL
October 18-19, 2007**

Name _____

Home Address _____

City, State, Zip _____

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

Home Phone _____

District Name _____ School _____

Position _____ Grades _____

Work Address _____

City, State, Zip _____

Work County _____

Work Phone _____ FAX _____

Email _____ SS# _____

(Necessary for college credit)

Fees

IAGC Membership No. _____

_____ \$50 New Member fee

_____ \$180 Early Bird, prior to September 12, 2007

_____ \$200 Late registration, after September 12, 2007

IAGC Non-members

_____ \$220 Early Bird, prior to September 12, 2007

_____ \$260 Late registration, after September 12, 2007

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

One hour graduate of credit is available through Aurora University for an additional \$125. The registration for graduate credit will take place on the first day of the class with checks payable to IAGC. 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

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