

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

Grades 3 - 8

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 from 8:30 a.m. – 3:45 p.m. on two Fridays, September 22 and September 29, 2006

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

About the Presenter

Liz Fayer is a science education specialist for The Center for the Advancement of Math and Science in Spearfish, SD where she is currently working to create an engaging and integrated curriculum using their state standards. Ms. Fayer has an MS in Biology and was employed as a Research Biochemist at Abbott Labs. She taught Environmental Biology at the junior college level and science at the middle school level as well as developed and taught a gifted education program.

Co-sponsored by IAGC and Woodland Middle School in Gurnee
Coffee & refreshments provided; lunch on your own.

Registration Form
Problem Based Learning, September 22/September 29, 2006

Name _____

Home Address _____

City, State, Zip _____

Home Phone _____

District _____ School _____

Position _____ Grades _____

Work Address _____

City, State, Zip _____

Work Phone _____ FAX _____

Email _____ SS# _____
(necessary for college credit)

Fees

IAGC Membership No. _____

_____ \$50 New Member Fee (in addition to registration fee)

_____ \$160 Early Bird, prior to August 31

_____ \$190 Late Registration, after August 31

_____ Total

IAGC Non-members

_____ \$210 Early Bird, prior to August 31

_____ \$240 Late registration, after August 31

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

One hour graduate credit through Aurora University is available for an additional \$150. The registration for graduate credit will take place on the first day of the class.

14 CPDU's available.

Please mail check made payable to IAGC and registration form to:

IAGC, 800 E. Northwest Hwy, Suite 610

Palatine, IL 60074

Questions? Call the IAGC office at 1-847/963-1892; FAX 847/963-1893

