EDTE 233 - Teaching Problem Solving with Technology

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**Description:**
What problems will we be solving with Technology? Why yours, of course!
This class will provide the tools and strategies necessary for students to integrate technology into a curriculum program. Focused on the use of technology in the classroom in a problem-solving context, participants will use application programs, web authoring, online communication, and graphic tools to create and deliver instruction.

**Course Goals:**
Examine and critically interpret research relevant to current issues in educational technology.
Design and develop a standards based lesson using available software and hardware.

**Course Objectives:**
Upon completion of this course, students will:

a. understand the connections between thinking skills and problem solving;
b. be able to identify curricular situations where the use of problem-solving strategies and technology may be appropriate;
c. be proficient in developing problem-solving strategies that integrate with the existing curriculum;
d. know how to gather data and resources using the world wide web;
e. learn to use current presentation software and hardware;
f. become accustomed to using current technology to communicate with other members of class regarding class assignments;
g. present their research and conclusions to a curricular problem using technology tools.

**Required reading:**
John Dewey: *Democracy and Education*
Chapter 11 Experience and Thinking
Chapter 12 Thinking and Education

**Required materials:**
Access to the Internet, a Saclink account, and a Google account.

**Evaluation:**
- Class attendance, preparation, and participation; (45%)
- Final Project; (35%)
- Online assignments; (20%)

**Project Due Date:**
*Final Project due December 14 / 15, 2007*

*Note: This date is different from the original date listed on the course schedule.*