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.**