



EDTC 5330 - W1

Mary Beckmann

beckmann@webster.edu

Theoretical Perspectives
Constructivist and Technology

Summer 2003
On-line

2 credits

Course Description

This course will assist a teacher or instructor to use technology to foster learning by examining how certain aspects of technology can enhance thinking skills: we will be examining the Web, Internet, multimedia, hypermedia, critical thinking, Webcams, etc. Participants learn about the inquiry-based active learning, and other components of constructivism. Emphasis is on ways to use technology tools for curricular and instructional applications that use this teaching approach.

Learning Outcomes

- Students will develop an understanding of the constructivist theory
- Students will be able to accurately describe the individuals credited with the constructivist theory.
- Students will be able to combine technology with the constructivist theory to create lesson plans that generate higher level thinking and learning from their students.
- Students will become knowledgeable on adapting various technologies to support and enhance learning and improve teaching strategies along with supporting personal and social growth while combining their knowledge of the constructivism theory.
- Students will become knowledgeable on assessing and evaluating various forms of technologies to distinguish between those that best foster learning from those that are merely entertaining.

The Missouri Show-Me Standards are addressed within the content of this course. Identification of specific standards are included within course assignments. Integration of Missouri Assessment Program (MAP) standards and grade levels will be integrated into this course when appropriate.

Resources and Required Readings

Supplemental Readings: Online links provided from the Internet

Textbook: *Learning to Solve Problems with Technology: A Constructivist Perspective* - ISBN:0-13-048403-2

Evaluation:

Attendance and participation:	7 points
Four mini projects: 10 points each	40 points
Final projects:	
part A:	23 points
part B:	30 points

Grades:

97 to 100 = A
90 to 96 = B
80 to 89 = C
70 to 79 = D
Below 70 = F

This syllabus is subject to change at the discretion of the instructor. Regular class attendance is required.

