

Name: Gayle Thieman

Grade Level: Graduate Level

Course: CI 513 Instruction & Technology

Lesson Topic: Fostering Information Literacy and Designing Instruction

Date: 10/19

Time Allotted: 6 hours

UNIT ESSENTIAL QUESTION: How do teachers use technology to address the diverse needs of students within the classroom and develop their students' 21st century skills? How do teachers design units of instruction?

PREPARATION

Purpose/Rationale: The purpose is for teacher candidates to consider ways to foster their students' information and media literacy skills. Teacher candidates will also continue the unit/lesson planning process and explore applications to promote K-12 students' problem solving and inquiry.

Unit Goal/Outcome: Teacher candidates will learn how to facilitate student internet research using appropriate search strategies and evaluation criteria to support student development of information literacy.

Learning Objectives: Teacher candidates will
Share internet safety plan

Explore search strategies and evaluate websites suitable to the topic for their unit

Revise mini-unit plan to include curriculum content standards and Common Core standards appropriate to the unit and develop concept map

Explore a variety of iPad applications in the content area and present the BEST APPS to the class

Standards:

GSE candidates use technology to enhance learning and development; demonstrate appropriate professional knowledge and skills

NETS: advocate and practice safe legal, and responsible use of information and technology

Prior Knowledge/Background Information:

Teacher candidates have developed an Internet safety plan, chosen a Unit Topic, written a draft Essential Question, explored curriculum standards. Some candidates have made substantial progress using the Unit Plan Template.

Materials/Resources Needed:

Resources on Instructor wiki: <http://gtpdx.wikispaces.com>

Teacher Candidate personal page on class wiki: <http://ptsectech13.wikispaces.com>

Multimedia presentations on Backwards Curriculum Design and Curriculum Framing Questions (as needed for review)

Sample website evaluation and directions for Tech Activity on instructor wiki

Excel list of 100+ iPad Apps for exploration on instructor wiki

Examples of concept maps (Inspiration) on instructor wiki

PROCEDURES AND ASSESSMENT OF STUDENT LEARNING

Introduction:

Student's Actions	Teacher's Actions	Resources	Time
Poll Everywhere: Text their response and watch as survey responses are recorded; Discuss results	Launch Poll Everywhere for students to answer at beginning of class		9:00 (40)
Body of Lesson:			
Student's Actions	Teacher's Actions	Resources	Time
Large Group Discussion Small Groups Brainstorm criteria of student friendly websites: Lab Time: Find/Evaluate 3 websites for unit plan topic Revise unit plan EQ if needed, select content standards and Common Core standards, develop lesson topics. Share with small group LUNCH BREAK Lab Time for exploring concept mapping application and developing concept map Brainstorm qualities of an effective iPad application Lab Time for iPad App exploration	Ask: Is plagiarism inevitable given the ease of access to online resources? What are the three most important Internet safety rules you would make sure your students learn? What strategies would you teach students to use for Internet searching? Subject Alike Teams Share the Specialized Search Resources they would use Model example of website evaluation (instructor wiki) Demonstrate examples of concept maps and elements: colors, shapes, icons to distinguish components. Monitor and assist in MISL lab		9:40 (35) 10:15 (45) 11:00 (30) 11:30 (40) 12:10 12:40 (100) 2:10 (50)
Closure/Extensions: (Determining progress toward daily objective.)			
Student's Actions	Teacher's Actions	Resources	Time
Present 2 minute demo/promo for best app you found Exit Slip: posted on personal page Questions I have about my unit plan?	Explain BEST iPad Apps Activity		3:00 (30)

LESSON ASSESSMENT (Evaluation of Student Learning)

Evaluate 3 websites related to grade level and subject area and post on personal wiki page
Read Maloy ch. 9 and answer questions on using multimedia effectively with students
Develop concept map that clearly shows integration of EQ, lesson topics, curriculum standards

LESSON REFLECTION

I was pleased that the Poll Everywhere activity generated discussion about the five questions for 40 minutes. The link worked for text messaging and by calling on students with opposing viewpoints we were able to hear multiple perspectives. There were lots of good ideas for teaching Internet research and some were new to me: WOT (web of trust) etc. Students generated a list of website evaluation criteria and they mirrored the website evaluation form I had created. I'm looking forward to reading the website evaluations they turned in. We spent extra time in the lab for unit plan revision and concept mapping. An unexpected challenge is that most of the students only come to campus one day a week so it is difficult to complete the Inspiration concept map on MISL computers where the software is already installed. Students may download the app (lite edition) to their iPad, and it remains to be seen if that is satisfactory. There are other mind mapping applications they might use. The iPad application exploration was more effective than in previous classes because we allowed almost an hour for exploration and then 30 minutes for sharing the BEST application. I was really pleased by the ease with which students showed the application and talked about it or 20 minutes. I need to ADD the new applications students found to my list and repost it. We also have 7 students who will demo at the start of class Tuesday