

## MATH 395 LESSON PLAN PROJECTS & PRESENTATIONS FUNG, MATHEMATICS DEPARTMENT, WOU, WINTER 2008

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### LESSON PLAN PROJECTS

For each topic (Lesson A and Lesson B)

- ◆ Write a lesson plan and an activity for children centered on the topic you select and have approved.
- ◆ Present your lesson, activity and ideas during a **ten-minute** class presentation.

### WRITTEN PROJECT DETAILS

- ◆ The topic for Lesson A **MUST** be the same topic (but a different activity) as your Web Activity Scavenger Hunt topic. **You must include a game as a part of your lesson plan A.**
- ◆ The topic for Lesson B should be chosen from the same list of chapters as the first one; however everyone must choose a **different topic** from that of your first lesson project. No game is required for Lesson B.
- ◆ Email topic B choice to Dr. Fung for approval by Friday, 2/15/2007.

### **For each topic, include all of the following:**

#### **Purpose**

- ◆ Identify the purpose of the lesson- what do you want the children to learn?

#### **Materials**

- ◆ List the materials needed to teach the lesson.

#### **Outline**

- ◆ Start with an introduction; how will you start the class and lesson?
- ◆ Explain how you will teach the lesson, how you will interact with the class, how will the children be working, etc.?
- ◆ End with a closing; how will you end the lesson?

#### **The Mathematics in the Lesson**

- ◆ Describe in detail what you will be teaching, where you use the mathematics and the techniques from class/our textbook, and how you will connect these ideas to your lesson.

## **Assessment**

- ◆ Think about some ways you might know (check?) if any of the students retained/learned the material that you covered. You may just give ideas here.

## **Activity**

- ◆ Your lesson project must include an activity for the children. This activity may be incorporated into the lesson plan or may be written separately from the lesson plan. This activity must be *active* and lead the children through some real math. This activity should be written for children—not for adults (like the activities we work on in class)
- ◆ Your activity should include making or doing something concrete, include the creation, solutions, etc. with your turn in materials
- ◆ You may use your textbook as a resource, but you should include some of your own ideas in your lesson plan and activity.

## **Length, Format and Spelling**

- ◆ 2 – 4 pages
- ◆ These pages may include class activity pages that you have created for your own class but should also include 1 - 2 pages of direct lesson plan material.
- ◆ Check your spelling, papers with 3 or more spelling errors receive at most 50% credit
- ◆ Arial, font 14, 0.7” margins, 1.5 line spacing

## **References**

- ◆ Give credit where credit is due. You can use materials you find in books or on the Internet, but please think through them and carefully reference them.
- ◆ Remember that your final lesson plan should reflect your values as a future teacher.

## **PRESENTATION OF PROJECT**

- ◆ You will have ten minutes to present your topic, lesson ideas and activity. You should prepare something formal to show the class; power-point, slides to project, etc. If you use slides, use the slide formatting for the notes page in the Scavenger Hunt.
  - ◆ You may not project up your lesson plan.
  - ◆ You may project up activity sheets for children.
- ◆ Lesson A projects will be presented on Friday, 2/8 and Tuesday, 2/12.

- ◆ Lesson B projects will be presented on Tuesday, 3/11 and Friday, 3/14.
- ◆ You will draw times for your Lesson presentations during the first week of class.
- ◆ Presentations will be timed; after ten minutes your presentation will be over, even if you have not completed your presentation. Be sure to carefully practice the timing of your presentation.

## LESSON PROJECT ASSESSMENT

➤ *For each lesson project*

<b>ITEM</b>	<b>POINTS</b>
<b>Lesson Plan</b>	40 points
Clear and organized	
Well thought out and developed	
Mathematically relevant	
Reflects effective classroom ideas	
Practical for use with children	
<b>Activity</b>	40 points
Clear and organized	
Well thought out and developed	
Mathematically relevant	
Reflects effective classroom ideas	
Practical for use with children	
<b>Activity Solution / Creation</b>	10 points
Complete and clear	
<b>Five-minute Presentation</b>	20 points
Organized? Prepared? Practiced?	
Quality materials used for class	
Class can see and understand materials	
Timing is correct	
<b>LESSON ONE</b>	<b>100 points</b>
<b>LESSON TWO</b>	<b>100 points</b>
<b>TOTAL</b>	<b>220 points</b>