

Designing a Lesson

SSTP, July 2008

Your task as a group is to design a lesson related to the topic you were given. The first draft of the lesson will be due on Friday with an electronic copy sent to a lesson study consultant who will provide feedback over the weekend on the lesson. Monday and Tuesday will be used to revise the lesson; some randomly chosen person from the group will teach a selected portion of the lesson to the larger group in one of the three rooms on Wednesday and Thursday.

The lesson plan should have the following components:

Context

1) Give the context of the lesson:

What grade level; any characteristics of the students that might be relevant; whether the lesson is introducing a concept, developing the concept, making connections from the concept to other mathematics, applying the concept

2) Be explicit about the math students are to learn, clearly state the math objective for the lesson

Investigation

3) Begin with a “launch” or hook that invites students into the math; an opening question that raises an idea or challenges students to think of something in a new way

4) The actual tasks students will be given; carefully consider how to pose these in order to make sure they relate to your mathematical objectives

5) Describe how students will work, what records should they keep of their work

Managing the discussion

5) Describe how you will organize and manage the discussion

6) Anticipate and write down possible student solutions paying attention to the order in which you might want to address them

7) Anticipate the questions you will ask and the connections you want students to see

8) Anticipate the lesson summary where you will use students’ own thinking to bring out the mathematical points

Evidence of learning

9) Describe what you will do to see what students learned from the lesson; how will you collect evidence and what will that look like?