

Math 499/599 Lesson Plan Assignment

The lesson plan is intended for middle school students. It should include a worksheet with a series of fun problems that illustrate, explore and develop informal and formal algebraic thinking and problem solving. These worksheets should require the student to think and write for most of the problems; they should NOT be skill & drill. You must have at least two pages of activities with at least 8 “items” for student work. You must include a solution guide for your worksheets. Your lesson plan and activities will be assessed on content, presentation and creativity.

Include in your lesson plan the following:

1. Title of lesson
2. Teacher’s name
3. School (if applicable)
4. Grade level(s)
5. Topics
 - ◆ Include which algebraic skills/concepts are being developed.
6. Purpose
7. Materials needed
8. Time required
9. Lesson procedure
 - ◆ How will the lesson be introduced?
 - ◆ How will you interact with the class?
10. Explorations/Worksheets and extensions
11. Solutions
12. Assessment/Evaluation tool(s) and opportunities
13. Internet sites of interest related to this topic
14. Personal comments from the teacher

Math 499/599: Lesson Plan Project Assessment
Summer 2008

LESSON

Checklist

Name: _____

	Complete & Clear			Missing Details	
TOPIC AND PURPOSE (include discussion of what algebraic skills are being developed)					
MATERIALS LIST					
LESSON PLAN BODY					
✓ Introduction					
✓ Explanation of teaching lesson, time management					
✓ Explanation of interactions with class					
✓ Closing and comments from teacher					
✓ Paragraph about assessment ideas					
MATHEMATICS IN THE LESSON					
✓ Detailed, connected to class ideas					
LENGTH, FORMAT AND SPELLING					
✓ 2 – 3 pages long					
ACTIVITY BASED WORKSHEETS					
✓ At least 2 pages, at least 8 items					
✓ Active and fun					
✓ Exploration vs. skill and drill					
✓ Quality of mathematical experience for kids					
✓ Complete solutions included					
GSP ACTIVITY					
✓ Connected to lesson and / or worksheet ideas					
✓ Well explained, clear for kids, effective for working with mathematical ideas					
OVERALL					
✓ Clear and organized					
✓ Well thought out and developed					
✓ Mathematically relevant					
✓ Reflects effective classroom ideas					
COMMENTS					
WRITTEN LESSON PLAN TOTAL			/100		

Math 499/599: Lesson Plan Project Assessment Presentation

Checklist

Name: _____

Complete
& Clear

Missing
Details

ACTIVITY SHARING					
✓ Organized and prepared as teacher					
✓ Materials organized and prepared					
✓ Materials professionally prepared					
✓ Active and fun					
✓ Length: 15 - 20 minutes (practiced)					
OVERALL					
✓ Talk is clear and professionally delivered					
✓ Talk describes lesson ideas					
✓ Talk describes children's activity					
✓ Class is professionally guided through activity					
COMMENTS					
PRESENTATION TOTAL					/50