

Project Instructions:

- ◆ Browse through some Grade 1-6 mathematics textbooks.
- ◆ Choose one lesson for which you can design an additional activity or redesign a suggested activity that would utilize either the TI-92 or Logo.
- ◆ Write an introduction to the activity with the following information:
 - Objective of the lesson – the important mathematics concepts of the lesson
 - Intended grade level
 - Geometry software contribution to the attainment of the intended concepts – how does the technology help in the teaching/learning of the mathematical concept
 - Explanation of the origin of the activity – include the source and a statement of your personal contribution (you must have some original input into the activity).
- ◆ Write a lesson plan that includes the following information:
 - Lesson outline that includes the technology activity that is either a teacher-demonstration or a computer hands-on activity
 - Prepare a student 1-2 page worksheet to accompany the lesson – questions/instructions should lead students to the intended objective.

Assessment:

- ◆ Organize your work in the order listed above and on the score sheet for the narrative and lesson. Spelling, grammar, neatness and organization including the use of subheadings will be considered in your grade.
- ◆ Hand in a copy of the score sheet with the activity
- ◆ Hand in a photocopy of the textbook pages from which the activity is based.

Due Date: Week of March 4

Assessment on this project is based on the following criteria.

Written Report (1 page)

- Objective of lesson 3 pts. _____
- Intended Grade level of activity 3 pts. _____
- Geometry software contribution to attainment of intended concepts 3 pts. _____
- Reference of activity's idea 3 pts. _____
- Original contribution to the activity 3 pts. _____

Lesson Plan (1-3 pages)

- Lesson outline with technology activity (demonstration and/or hands-on) 3 pts. _____
- Handout/Worksheet (required)
 - Questions/instructions lead to conceptual understanding of intended objectives 3 pts. _____
 - Clear directions/ expectations stated 3 pts. _____
 - Organization, completeness, neatness 3 pts. _____

Mechanics

- Photocopy of textbook lesson pages 2 pts. _____
- Spelling/grammar 2 pts. _____
- Neatness/organization; use of subheadings 2 pts. _____
- Score sheet handed in with project 2 pts. _____

Total Points = 35 _____

Letter Grade: _____