

TECHNOLOGY LESSON PLAN

The goal of this assignment is to prepare a detailed lesson plan for a portion of a unit that integrates technology into a middle or secondary mathematics classroom. You will prepare a lesson plan for one day's class within a larger unit context. The focus should be on how technology can enhance traditional curricular objectives rather than emphasizing instruction in the use of a particular program or application.

You will be asked to present a summary of your lesson to the rest of the class (during the last week of class and our meeting time in finals week). You should prepare a 1-2 page handout for the other class members which will be helpful to them if they wanted to use your ideas in future teaching.

The lesson plan should include the following components:

- 1) A description of the larger unit in which this lesson is situated. Include the subject area and grade level(s). *(This could easily be accomplished through a daily unit outline or overview, with daily goals stated.)*
- 2) A description of the goals and objectives of the particular lesson. Include specific instructional objectives tied to the New York State Mathematics learning standards – TaskStream is a great resource for ready access to the standards, and for building lessons and units.
- 3) A list of required materials: software, hardware, equipment, handouts, overheads, etc. *Please include copies of any materials you will be distributing for this particular lesson.*
- 4) Describe how you will motivate student interest in the lesson.
- 5) Describe the classroom organization – will you instruct the class using a computer projector? Will you be in a computer lab? You may base your instructional situation either on: (1) an ideal set-up or (2) an actual set-up in a school with which you are familiar (perhaps from field experience).
- 6) Describe the lesson procedure – the actual teaching steps that make up the lesson.
- 7) Describe the closure activity – how you will summarize or wrap-up the lesson?
- 8) Describe the assessment activity or activities. How will you know whether the student learning objectives have been met? Include formative and summative intents, and refer to both formal and informal assessment methods. *This portion should include reference to a broad assessment plan you will incorporate throughout the entire unit.*

Suggestion: Prepare a unit for a student population with which you are familiar. You may want to take a unit that you've already developed or have already taught and determine how technology could be integrated to enhance the unit.

Technology Lesson Plan – Assessment Rubric

CLASS PRESENTATION	Low					High	Score
Presentation <i>well organized</i>	1	2	3	4	5	_____	(10)
Ideas <i>well communicated</i>	1	2	3	4	5	_____	(10)
<i>Student handouts</i> sufficient and helpful	1	2	3	4	5	_____	(5)

WRITTEN LESSON PLAN

Each of the following was clearly and thoroughly completed:

Unit plan <i>overview/outline</i>	1	2	3	4	5	_____	(5)
Lesson <i>Goals and Objectives</i>	1	2	3	4	5	_____	(10)
Materials	1	2	3	4	5	_____	(5)
Motivation	1	2	3	4	5	_____	(5)
Classroom Organization	1	2	3	4	5	_____	(5)
Lesson Procedure	1	2	3	4	5	_____	(25)
Closure Activity	1	2	3	4	5	_____	(5)
Assessment Activity	1	2	3	4	5	_____	(5)

Overall, the lesson seems to be a *realistic and effective means of integrating technology* into the mathematics classroom to enhance students’ conceptual understanding:

	1	2	3	4	5	_____	(10)
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Total Score (out of 100): _____

Instructor comments: