

# SED646: Technology Lesson Justification



SED 646 (FI 06)

Assignment 6 – Final Project

Due December 20 4pm (turn in via dropbox or email)

The final project in this class is to write a technology based lesson plan and justification. The paper needs to be **at least 1500 words long** (not including references) and no more than 10000 words long. The purpose of this paper is to demonstrate your understanding of how education technology can support teaching and learning and how to effectively use technology in the classroom. The topic of the paper should be different from either your applet or sketchpad lesson plans. But it can be the same as your class presentation.

Try to pick a topic where the technology allows the students to do or learn something that would be difficult to do without technology.

## Parts of a Lesson Justification:

Once you have a lesson plan you need to describe three parts:

- Description of the math concept that you want to teach
- Lesson Plan outline that describes the activities that students will do including the questions they need to answer, and discussion topics (e.g. how you will introduce the activity, how you conclude etc.)
- A justification for why this lesson is a good way to teach the particular topic. This section demonstrates your understanding of pedagogy and the role that technology can play. You should reference research on math education, educational technology or general learning theory (minimum of two articles).

If you send a draft by Dec 15 I will read it and get it back to you in time for some revisions (sooner is better for feedback).

Rubric for Lesson Justification Paper:

<b>Component</b>	<b>High Quality</b>	<b>Acceptable</b>	<b>Unacceptable</b>
<b>Lesson Topic</b>	Lesson topic illustrates a valuable application of technology for math teaching.	Lesson topic includes significant technology use.	Lesson topic includes very little technology use.
<b>Lesson Design</b>	Paper clearly describes the lesson and what the teacher and students will be doing.	Paper gives the general idea for the lesson but some parts are vague.	Paper does not describe the lesson adequately.
<b>Justification</b>	Paper makes a clear line of reasoning from experience and research to their lesson. Opposing arguments are countered	Paper makes a number of points in favor of their lesson.	The paper makes several points but very few are supported in any meaningful way.
<b>Research</b>	Several sources of information are used to elaborate the discussion and used to support arguments.	Paper cites references for some key points.	Paper either does not include any references or fails to cite work from other authors.
<b>Writing</b>	Writing is clear without obvious mistakes.	The writing is good for the most parts but would have benefited from another draft.	The writing makes it difficult to figure out what the author is trying to say. The author did not read through the paper after writing it.

So long as all the components are at least acceptable, the paper will pass.