

TECHNOLOGY PROJECTS

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Technology Project

- ▣ Final project in Math 307: Computers in Mathematics Education
- ▣ Opportunity to familiarize applications of technology to mathematics
- ▣ Developing an education tool (contrasted to an artifact) for students' better understanding of mathematics

Technology Project

- ▣ Technology project consists of two parts. One part is a written report and the other is a technology file like a GSP file.
- ▣ Written report structure:
 - ▣ Title (including group member names)
 - ▣ Description of learning objectives in your project
 - ▣ Rationale for your project (e.g., why the technology needs to be used in teaching the topic you selected)
 - ▣ Educational meanings or implication (e.g., what students would get from the project compared to a paper-pencil lecture)
 - ▣ Bibliographies or references

Technology Project

- ▣ Technology File:
 - ▣ Teaching sequences and structures
 - ▣ Describing how the technology can be used for teaching the topic selected in the technology file
 - ▣ What is brief introduction?
 - ▣ What is the first example which you are going to use?
 - ▣ What about the second?
 - ▣ How to conclude your teaching?

Fourth Miscellaneous Item

- ▣ In one-page discussion paper, you should address your points of view on representation and creativity in terms of whether visualization methods can be used or not for students' creativity in learning mathematics.
- ▣ You need to justify yourself why you think so step by step. That is, use specific reasons and examples to explain your reasoning in the paper. Then you can conclude whether you agree or disagree with the use of visualization methods.

Group Presentation Evaluation

- ▣ Neatness of PowerPoint
- ▣ Structure of Presentation (Less than 20 minutes)
- ▣ Good Examples (Selection and clarity)
- ▣ Summary (How effect and efficient for the audience?)
- ▣ Preparation (Ways of presentation)

Q&A