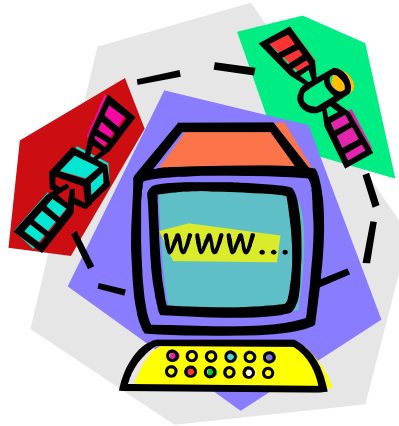


Preprocessing Your Project



First read down the project and try to grasp the main idea without getting bogged down in details. Then write down the main ideas of the project.

Read through the project again and make a list of key terms. Also, list the most important skills or concepts from our course that you feel will be needed in order to do this project.

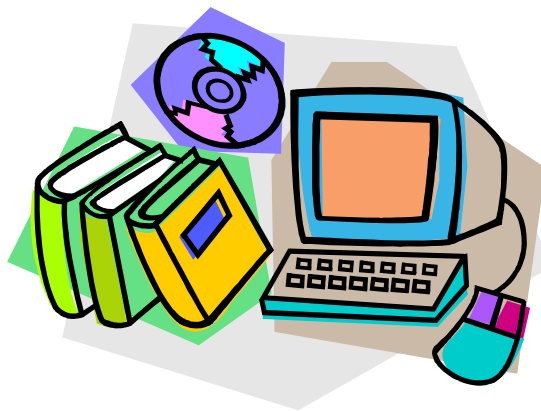
Don't try to solve any of the problems yet.

Main Ideas

Key Terms

Important Skills and Concepts Requires for Completing the Project

Information for Lab and Project Reports



Format

Each report should begin with a paragraph of introduction giving an overview of the nature and purposes of the lab or project. This should be followed by a write-up of each activity—what you did, how you did it, and what conclusions you reached. Include the data you gathered and tables and graphs if appropriate. Show your work and indicate your thought processes in an organized fashion. Each report should end with a paragraph of summary, conclusions, and reflections. The report will be typed except for data information. The project will be no longer than five pages.

If the report was written by a group, clearly indicate the primary author for each part of the report. Authorship should be shared fairly among the group members over the course of the semester.

A “**Distinguished**” paper is one that meets assignment requirements and does so in an outstanding way.

- Demonstrates thorough understanding of concepts
- Concise main idea with supporting detail
- Utilizes mathematical vocabulary precisely
- Representations are accurate and appropriate (when applicable)
- A non-Math/Science teacher could follow all steps
- Contains only an occasional grammatical error
- Critical and creative thinking is in evidence

An “**Expert**” paper is one that meets assignment requirements and is well written, but represents less creativity or impact than a “Distinguished” paper.

- Demonstrates understanding of concepts
- Some detail to support main idea
- Utilizes most of the mathematical vocabulary precisely
- Representations are mostly accurate and appropriate (when applicable)
- A non-Math/Science teacher could follow most steps
- Contains few grammatical errors
- Critical and creative thinking is in evidence

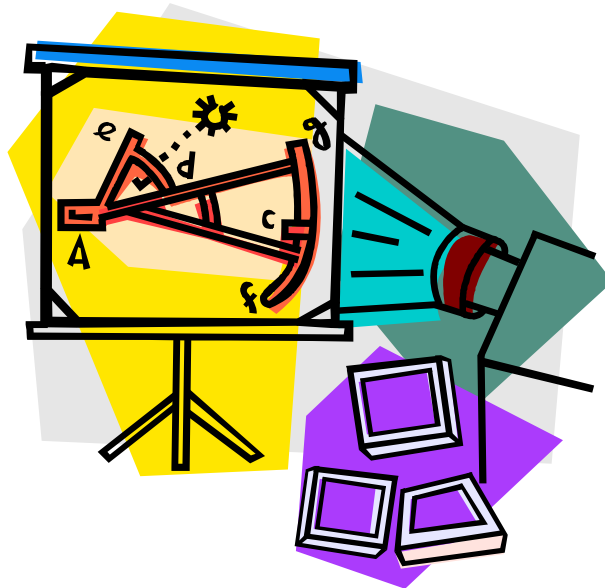
An “**Apprentice**” paper is one that demonstrates assignment requirements but with inconsistent quality.

- Demonstrates partial understanding of concepts
- Lacks supporting detail
- Little use of mathematical vocabulary
- Representations are mostly accurate and appropriate (when applicable)
- A non-Math/Science teacher could follow a few steps
- Contains several grammatical errors
- Thinking tends to be ordinary rather than critical or creative

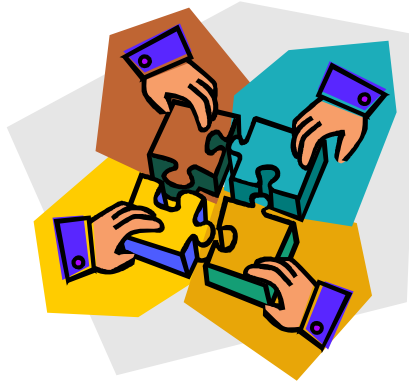
A “**Novice**” paper is one representative of barely adequate work and fails to fulfill assignment requirements.

- Demonstrates little understanding of concepts
- Does not stick to topic and/or incomplete thoughts
- Mathematical vocabulary is not used
- Representations are inaccurate or are not included (when applicable)
- A non-Math/Science teacher could follow no steps
- Grammatical errors inhibit understanding
- Ideas are weak, poorly developed and not well organized

A “**F**” paper is a report not turned in or a very sketchy write-up.



Effort Points for Each Member of Your Group



Your Name: _____

Course Number: _____

Semester and Year: _____

Lab/Project Name: _____

Name

Effort Points

Self

Grading Criteria

Give yourself and all of your group members an effort grade for the lab or project according to the following criteria:

20 points Did substantially more than their fair share of work

15 points Did a fair share of work, more or less.

10 points Contributed some, but not a fair share.

0 points Contributed virtually nothing to the group's effort.

