Math 165 Midterm Project

Your projects will be an investigation of some topic in mathematics. You will put together a learning station for your classmates. That is, you will bring to class an activity that can be put on a table and that will describe an activity for your classmates. You should not have to be present for your classmates to do the activity.

The activity should be aimed at your classmates, not elementary students. It should not be a drill. They should learn some mathematics from doing the activity. Make sure they can get something interesting out of it in 15-20 minutes, and make sure you add interesting extension activities that take longer, too.

You are encouraged to work with one or two other people on your project. You will all receive a group grade and an individual grade.

You can get further ideas by looking through the math materials in the Cahill Learning Laboratory in Burk Hall 319. It is open from M 1-6; Tu 2-6; WTh 1-7; F 1-5.

1. Project Idea

E-mail your idea for your Midterm project to erichsu@math.sfsu.edu by 11:59pm, October 3rd, 2006. Describe (1) the activity, (2) the source, (3) who is in the group, (4) what original ideas you are adding. You only need to send one e-mail per group.

2. Project Outline

E-mail your outline for your Midterm project by 11:59pm, October 10th, 2006. Be sure to include (1) responses to any comments I made on your Idea proposal, (2) what specific math you hope to teach, (3) who is in the group, and what their roles are, (4) what the display will look like, and (5) a draft of instructions for the booth

3. Project Day

Your project is due in class on October 17th, 2006. Make sure the group members' names are clearly marked on the project.

Your project should be accompanied by a group report for me and an individual report. The group report should give me a final report, stating: (1) who is in the group, and what your roles were, (2) the source, (3) what original ideas you added, and (4) describe in detail a sample successful interaction with your project by a student (including the math they encounter along the way).

The individual report should describe what math you personally learned doing the project. This is a big part of your grade, so be sure you did some math along the way, learned something, and then told me about it.