Final Presentations and Open House

For our final presentations this year, we are going to do something special. You and your partner will choose a problem or topic that we have covered this year or a new topic in mathematics that you would like to explore. You will present your topic to the class and we will be having an evening "Open House" on **Wednesday, May 24th**. We will invite parents, friends, other math and science students, and teachers along with professors from SDSU to a **celebration** of all that we have learned this year. You, the students, will work in pairs to create display boards and prepare *short* presentations on your topic. During the Open House, you will give your presentation several times as our guests explore our displays, much like a science fair.

The display boards will cover topics symbolically, graphically, numerically, *and* verbally.

This will be a great and memorable event. I am very much looking forward to seeing you all there.
(If you cannot attend, please see me as soon as possible.)

Project Calendar

Sign Up List Posted
All Students: Thursday, April 6 (12:15 pm)

Topic/Problem Sign Up Deadline (and deadline for approval of your own topic ideas – See Ms. Brown early)
All Students: Thursday, April 20

Project Proposals DUE to Ms. Brown
Calc D: W 4/26 (Earlier is better)
Linear: M 5/1 (Earlier is better)

Rough Drafts and Peer Review (by at least two other groups (four students)) DUE
Calc D: W 5/10 or Earlier
Linear: Th 5/11 or Tu 5/16 or Earlier

Practice Presentations (in class, timed)
Calc D: M 5/22 (some?) and W 5/24 (most)
Linear: Tu 5/23

Open House (6:00 PM – 7:30 PM?) and Final Projects DUE
All Students: Tuesday, May 24

Additional Details

- There will be two "Coordinator Teams" one for hosting and organizing the event and one for managing technology needs as well as videotaping and documenting the event. These groups will create display boards about the projects and process in general as well as invitations and a program. Please see Ms. Brown as soon as possible if you are interested in one of these positions.

- Your partner may be a student in another class period or in the other course if you are presenting a Calculus D topic. Groups should not be larger than two people. You may work by yourself.

- Displaying Your Presentation
  - Display must include title, topic, names, clear problem statement, and labels for sections.
  - Solutions/Explanations will be represented symbolically, graphically, numerically, and verbally.
  - Also include a written statement about what you learned through this particular problem, project, and presentation process throughout the school year. *Turn in an extra copy of this to Ms. Brown.*
  - Best if display is free standing on a table or pair of desks, but there are other options.

- Presenting Your Problem or Topic
  - You will be giving your presentation several times during the Open House.
  - We want guests to be able to enjoy as many presentations as possible.
  - Presentations will be less than ***2 minutes*** each. (Yes, this is possible.)
  - Include a brief review of all four methods *or* cover two representations in depth. Do whichever is the most informative. Everything will be on the display, but you do not have to talk about all of the details there.
  - Both partners can present together (but avoid jumping back and forth too much) or each can present for half of the time of the event. Each partner should be prepared to answer questions.
  - Many of the topics we present will be advanced for our audience. Consider ways to present your topic to someone who doesn't know Calculus like we do.

- Be sure to discuss any anticipated technology needs with the technology coordinators *early*.

- *Have fun!*

Rough Draft and Practice Presentations

- There are a variety of due dates for Rough Drafts and Practice Presentations. We will have to work around the AP and STAR testing schedules to make sure everyone can get good feedback to best prepare their project.

- Each student needs to review *at least two* other presentations. As reviewers, you will be the primary check for accuracy before groups finalize their work for the presentations.

- If it is your turn to present, but you do not have your final display prepared, that is okay. You can use your rough draft as best you can to walk us through it. The key is to refine and organize what you plan to say so you can keep it less than two minutes. Practice presentations will be timed and videotaped so you can watch them to see your own style and areas for improvement.

Project Proposal

Please respond to the following in *complete sentences on separate paper*. This proposal serves to let me know what you are planning to do for your project and to help you clarify your thinking about how you intend to meet all of the project goals. Please write your name(s), class period, course title, and date at the beginning of your proposal. Please type your proposals.

- Describe your project idea.
- RELEVANCE: What is the purpose of your project? Why is your topic or type of project important or special to you?
- CONTENT: What subject topics will you incorporate into your project? Please be as specific as possible.
- METHODS: How do you plan to develop and/or explore the content through working on your project? How do you plan to incorporate different methods of representation (symbolic, numerical, graphical, and verbal) into your project? *State your plan for each.*
- ORGANIZATION: How will the content be organized within the project? Also, for group projects, how will you organize the work to be divided equally among group members?
- DISCOURSE: How do you plan to share your project with the class? Also, how will you use critique on your project presentations to help guide you through revision and subsequent presentations?
- CHALLENGE: What do you think will be the biggest difficulty you will encounter in completing this project? How do you plan to meet that challenge?
- What resources will you use for research?
- What creative elements will you include in your project?
- What do you hope to learn through this project?
- What other questions, comments, concerns, and/or suggestions do you have?

Peer Review of Rough Drafts

- Meet with another group.
- Switch drafts. Read the draft thoroughly with your partner.
- Comment *in writing* (on separate paper or on draft itself if there is room and it is okay with group):
  - Parts you like and/or parts that are very clear.
  - Parts you think are inaccurate or unclear.
  - Questions your have about the problem or topic and/or what you think an observer might ask.
  - Suggestions you have for accuracy, clarity, and creativity.
  - Answer any questions the group has about their own work.
- Be thorough and helpful.

Grading

_____ (10 pts.) Proposal
- _____ (5 pts.) On Time and Complete
- _____ (5 pts.) Thoroughly Answers Questions

_____ (10 pts.) Rough Draft and Peer Review
- _____ (5 pts.) Draft Ready On Time and Complete
- _____ (5 pts.) Participation in Peer Review

_____ (10 pts.) Practice Presentation
- _____ (5 pts.) Accurate and Covers All 4 Representations or 2 In-Depth
- _____ (5 pts.) Clear and $\leq$ 2 Minutes

_____ (10 pts.) Display
- _____ (5 pts.) Organized
- _____ (5 pts.) Neat and Attractive

_____ (20 pts.) Content (each representation graded for accuracy and clarity)
- _____ (5 pts.) Symbolically
- _____ (5 pts.) Graphically
- _____ (5 pts.) Numerically
- _____ (5 pts.) Verbally

_____ (10 pts.) Reflection
- _____ (5 pts.) Statement about what you learned (problem, project, presentation process)
- _____ (5 pts.) Follow Up Activity

_____(70 pts.) Total