Math 181: Project Guidelines

Important Deadlines:

- **Friday, March 9**: Project Proposals are due at the beginning of class.
- **Wednesday, April 25**: Projects are due at the beginning of class.

Some possible formats:

- **A Writing Project.**
  You should write 750-1250 words about an aspect of mathematics that interests you. This can be an opinion piece, a research paper, a story, etc., but it must involve learning new math. Please cite at least two sources besides Wikipedia.

- **Music or Art Project.**
  You should create an original piece of artwork (could include poetry) or music related to mathematics. An explanation of the related mathematics should accompany your art (100-250 words). You must have at least one reference (besides Wikipedia).

- **Education Project.**
  To do a project of this type, you would prepare a lesson plan for a 2-3 hour unit on a topic in mathematics that interests you. This lesson plan can be aimed at any age group, and your final submission should describe your target audience and include any materials that you would use (lecture notes, worksheet, activity description, etc.). You must have at least one reference (besides Wikipedia).

- **Oral Presentation.**
  You should either create a video or present in-class for 15 minutes about an aspect of mathematics that interests you. An essay of 100-250 words should accompany your presentation. You must have at least two references (besides Wikipedia). The number of slots for in-class presentations are limited so please contact me as soon as possible to schedule your time.

- **Something Else.**
  If you have an idea for a different type of project, I recommend talking to me before writing your proposal.

Your project will be graded out of 100 points and is worth 15% of your final grade. I will be grading on the mathematical content, creativity, and quality of the final submissions. I expect this project to be your own work. Plagiarism may result in an “F” for the project and be reported to the students college and Senate Committee on Student Discipline.

For your project proposal (due March 9), please write a short (no more than 200 words) description of the type of project you are planning to complete, the topic you are going to investigate, and the reasons why you chose that topic.

If you have any questions or want help picking a topic, please talk to me.