

MATH 200 Project

Spring 2020

Due via Email: 4/27, 11:59pm Eastern

Description: For this project, you will develop a creative exhibition of a discrete mathematics topic. The topic is up to you (and your group, if you have one). You can choose one of the topics I've provided, or you may propose your own. If you are proposing your own topic, you must submit that via email by **April 10th**. The project topic must be demonstrated in a creative manner. This can be as simple as creating a presentation in PowerPoint on the topic with voice over or can be as creative as putting together a music video, or a diorama. It is really up to you, but your implementation must clearly demonstrate the topic you have chosen. Some basic guidelines for possible formats:

- * Presentation – 10 minutes on the topic utilizing slides and voice over; submit PowerPoint or mp4
- * Music video – 3 minute music video, can be spoken word; submit mp4
- * Poetry – 100 words or more; submit Word document
- * 3D art piece/diorama – include pictures of all sides and a narrative (100 words or more) justifying how it demonstrates your topic
- * Digital/2D art – include a picture and a narrative (100 words or more) justifying how it demonstrates your topic
- * Alternate choice? Send me an email for approval and minimum guidelines

Groups: If you would like to, you may work in a group (virtually) with up to two other people in the class. If you choose to go this route, you must let me know by **April 3rd** via email.

Potential Topics List (feel free to propose your own!):

- * Graph colorings
- * Graph subset problems (e.g. independent set, matchings)
- * Probability
- * Ramsey numbers
- * Infinity
- * Statistics
- * Cryptography

Deadlines:

Topic (if you are not choosing one of my suggestions) – **April 10th via email**

Group information – **April 3rd via email**

Project submission – **April 27th via email**

Rubric:

Creativity in implementation – 30%

Implementation clearly demonstrates the topic – 70%