

Project Guidelines

This project aims to explore one of the topics we learned in class and research its application in the real world. Topics that you can choose from are listed below.

1. Polynomial Function
2. Trigonometry
3. Absolute Value Function
4. Square Root Function
5. Logarithmic Function
6. Exponential Function
7. Linear Algebra: Matrix and Vectors

I would like you to structure the research as follows. The project will be open-ended but provide some background information, technical information, and real-life application of the topic.

Background Information

1. What is the background history of the chosen topic? When did this topic become famous, and how?
2. What are some key historical events/facts about the topic?
3. What are some of the significant developments in this topic?

Technical Information

1. What is the mathematical expression of the function?
2. What are the properties of the function? Why is it true?
3. Is there a way to graphically express the function?
4. What other ways can the function be utilized?

Application

1. What are some real-life applications of the function? Give me details and examples.

Deadlines:

July 17th (Monday): Presentation Day 1

July 19th (Wednesday): Presentation Day 2 + Peer Evaluation Due