

Math X – Interdisciplinary Project

Description: This project is one where you will have the opportunity to explore mathematical connections in another discipline such as science, social studies, English, or physical education. You will choose a topic from one of your current non-math classes. Consider what you are studying now and also think back to what you have covered earlier in the school year. You may enjoy flipping back through your textbooks and notebooks to review what you have done. Pick a topic that interests you and has a mathematical connection. Your task will be to create something in *Mathematica*, Excel, and/or *Geometer's Sketchpad* that illustrates, explores, and/or teaches the topic to others. Hopefully you will have the opportunity to share your finished project with your teacher in the related class and/or your entire class.

Proposal: Follow the general proposal guidelines as listed below.

- *General Information:* Your name, class period, and date of proposal at the top of the page.
- *Description:* What do you want to do? What will it look like when finished?
- *Purpose:* What is the purpose of your project?
- *Audience:* Who is the audience for your project? What do you plan to do with it?

Grading: Grading follows the general project grading guidelines as listed below.

- _____ (5 pts.) Goals set and approved before starting. (Proposal)
- _____ (5 pts.) Work is clear and organized.
- _____ (5 pts.) Directions for use are clear.
- _____ (5 pts.) Used a variety of functions.
- _____ (10 pts.) Everything works correctly.
- _____ (10 pts.) Meets goals and appropriate for audience.
- _____ (5 pts.) Presented to class.
- _____ (5 pts.) Finished timely manner and/or by due date.
- _____ **(50 pts.) Total**

Notes: