The mathematician Benjamin Peirce called mathematics "the science that draws necessary conclusions".

Albert Einstein, on the other hand, stated that "as far as the laws of mathematics refer to reality, they are not certain; and as far as they are certain, they do not refer to reality."

Why do we study mathematics and how does mathematics tie into the real world, more specifically, other disciplines or subject areas?

Your task: Choose an area of mathematics to explore and seek to answer the aforementioned question. It could be a question you have, something historical, a process you want to understand, an application you want to research. Choose something that you find interesting and/or relevant to your own life, and that has a real world application while integrating with other disciplines such as science, art, music, language, etc.

Here are some examples (the possibilities are almost endless):

- Research the life and contributions of a mathematician from the past or present
- What is Pi? Why all the fuss about the digits?
- Why is the number 1 so unique? How about the properties of 0?
- How does an abacus work? Who invented it? How has it evolved?
- How does probability affect us?
- Mathematics and the technology explosion.
- Is there a link between success in math and musical ability?
Details:

- Check with me for approval regarding your topic.
- Create an electronic poster, Powerpoint presentation, or brochure that communicates, in detail, your ‘exploration’. This must be done using software of choice (i.e. Word, Powerpoint, Publisher, etc.).

Your project will be creative and include text, photos, data, graphs, charts, etc.

The finished product can be electronically delivered to the school’s DROPBOX (H-drive). Place your document in the Printz folder and include your name OR you can email it to me at printzs@spsd.sk.ca.

OR

- Create a poster, display board, etc., detailing your information. This is a physical item and must be properly referenced with an additional page that includes your references.

- If there is enough time, we will share in class at a later date.
- You will need to complete this project on your own time.

All items taken from the internet or print form must be properly referenced.

This project is due June 7th.
It is worth 10% of your final mark.

Good Luck. I am looking forward to seeing your projects.

Mr. Printz