Math in the Real World

MATHEMATICS: It is a work of ART!

Have you ever seen a piece of artwork and noticed something a little mathematical about it? How about a math problem that involved a painting? Or maybe you've worked on a project that required you to build a structure or formation that ended up being a piece of art. There's a very strong correlation between art and mathematics and it's your turn to be creative and meld the two together.

Explore all kinds of art that involves math. Some suggestions are listed below. Find something you think is cool, challenging, uses math, and is artistic. Have fun with it!!

- Fractals
- Tessellations
- Spirals
- Circle Art
- Polyhedron
- Optical Illusions
- Origami
- Knots

Included with your artwork should be a typed paragraph (12 pt font) that is written with your best English writing skills, proofread, and referenced properly if using information from specific resources. The paragraph should answer the following questions.

- What type of art technique/concept was used?
- What specific math is used or involved?
- How long did it take you?
- What did you learn?

Your artwork will be graded according to the following guidelines.

- Your project will be creative, attractive, and neat.
- Your project will have color and/or texture.
- Your project will be either 2 or 3 dimensional.
- Your project will all be done by hand (no part will be computer generated).
- Your project will clearly reveal to me that you spent no less than 2 hours working on it.
- Your project will include a typed paragraph that answers the questions listed above.

Due Dates

1st Semester: Monday, December 12th

2nd Semester: Monday, May 15th