

Quarter 1 Project

How many times have you sat in a math class and asked yourself, "Why do I have to learn this? Will I ever use this with the job I'm going to have!" But Math is very important. You will use some kind of math for the rest of your life in just about everything you do. For this quarter's project you will research a mathematics based career in order to increase your awareness and appreciation of mathematics in the "real world."

Objective : SWBAT investigate various careers in order to gain insight into possible career choices that have a foundation in mathematics.

Task : This quarter you will work with a partner to create an informative brochure that provides valuable information about a particular career involving mathematics.

Important Dates:

September 26, 2016: Submit Name of your Partner (Can be from the other class) and the Career you have chosen to do your brochure on.

October 28, 2016 : Final Project Due!!

Some Suggestions:

| | | |
|---------------------|------------------------------|-----------------------------|
| Animator | Video Gaming | Special Effects Director |
| Actuary | Statistician | Forensic Scientist |
| Computer Science | Economist | Architect |
| Operations Research | Environmental Mathematician | Car Designer |
| Biomathematics | Robotics Engineer | Aeronautical Engineer |
| Stockbroker | Meteorologist | Computer Software Engineer |
| Cryptography | Civil Engineer | Political Scientist |
| Finance | Computer Graphics and Design | And of Course..... Teaching |

Grading: This project will count as one test grade in the first quarter. The grade will be based on the following rubric.

Please hand this in with your brochure

Career Description including What they do,
Where they do it, and future Employment
Outlook _____/35pts.

Education and/or Special Skills Required _____/15pts.

Pros and Cons of this career choice _____/15pts.

How does this career involve math? _____/15pts.

Salary and Benefit Information _____/10pts.

Easy to read, colorful and creative, neat,
Correct format _____/10pts.

Total Grade _____/100pts.

Name _____ **Period** _____

You can google “Cool Careers in Math”

Or

Some Helpful Websites:

<http://www.ams.org/careers/>

<http://www.ams.org/employment/>

<http://careerbuilder.com/>

American Mathematical Society's -- Seeking Employment

http://www.ams.org/committee/profession/seeking_employment.html

Careers In Math and Statistics <http://www.math.yorku.ca/Careers/menu.html>

Career Center <http://www.monster.com/>

Math Fields and Applications (mathematicians in industry and government)

<http://www.ams.org/careers/mathapps.html>