**Engineering Careers WebQuest**

**Purpose**
It is not too early to start thinking about the world of work. Over 20,000 different job titles exist in the U.S. today, and by the time you join the work force, that number will have increased exponentially. Many of the jobs you will be applying for haven’t even been created!

Engineering offers more career options than any other discipline. It’s a profession that can take you from the depths of the ocean to the far reaches of outer space, from within the microscopic structures of the human cell to the top of the tallest skyscrapers. Whether it’s cell phones, digital cameras, DVD’s, or facial recognition devices that can pick out a terrorist in a crowded football stadium, engineers are behind almost all of today’s exciting technology. Engineers are problem solvers who search for quicker, better, and less expensive ways to use the forces and materials of nature to meet today’s challenges.

Engineering students have their pick of many fields. From electrical to civil to aeronautical to biomedical, every discipline within engineering will lead to an exciting and rewarding career.

In this activity, you will research one type of engineering and report back your findings to your class using a PowerPoint presentation.

**\*\*\*You will be using Google Drive to create your presentations and share it with me by emailing** **jefkmi@myfitz.net**

1. **Please make sure that you are citing all of your sources, you can not just simply cut and paste from the internet. If you do this you will not get credit for this assignment.**
2. **You will be working on your own.**
**Equipment**
Computer with Internet access
PowerPoint®
Engineering Notebook

**Procedure**1. From the list below (Examples of Types of Engineers), select an engineering career to research. Check with your teacher about your selection.
Examples of Types of Engineers:
Aerospace Engineer
Agricultural Engineer
Architectural Engineer
BioEngineering / BioMedical Engineer
Chemical Engineer
Civil Engineer
Computer/Software Engineer
Electrical Engineer
Environmental Engineer
Industrial Engineer
Mechanical Engineer
Metallurgy and Materials Engineer
Mineral and Mining Engineer
Nuclear Engineer
Ocean Engineer
Transportation Engineer

2. You will use available resources to research an engineering career and create a PowerPoint® slide show. You may add additional information if you wish. The slide show should include the following information
Slide #1 – Title Page/Career name, your name, picture of someone working in this career
Slide #2 – Job Description
Slide #3 – Work Tasks
Slide #4 – Necessary Skills and Abilities
Slide #5 – Education/Training required (including college/technical school programs)- STATE SPECIFIC CLASSES YOU NEED TO TAKE
Slide #6 – Wage Information
Slide #7 – Job Outlook (% of growth)
Slide #8 – Why this career does/does not appeal to you