



Automation & Robotics Virtual Learning

7th & 8th

What is an Engineer

Day 1

May 4, 2020



PLTW: Automation & Robotics
Lesson: What is an Engineer Day 1 [May 4th]

Objective/Learning Target:

Students will identify an engineer career and learn about the different aspects of the career.

Warm-up

*To complete the Warm-up, notes, and questions electronically, click [here](#)

If you were to research a topic using the internet, which websites do you think will give you the most trustworthy information?

(circle/highlight all the apply)

.org .cam .net .com .int .edu .gov .mil .car .safe .new

Why did you circle the domain endings that you did?

To check your answers take a look at this [webpage](#).

Instructions

In lesson “[What is engineering Review Day 2](#)” we reviewed the different types of Engineers.

This week we are going to pick one engineering career to focus on and create a presentation to share with others.

The presentation will can be a poster, Google Slides, PowerPoint, Google Doc poster, PowToon, Adobe Spark video, or a Prezi. You can use any presentation medium that you are most familiar with or try a new one.

Your presentation will explain what engineers in the field you picked do, how to become one, how much they get paid, and related careers.

List of different types of Engineers

You can also use this website <http://www.egfi-k12.org/#> to help you research the different engineer careers. (You might have to allow Flash to play on Chrome)

- [Agricultural](#)
- [Mechanical](#)
- [Chemical](#)
- [Biomedical](#)
- [Materials](#)
- [Mining](#)
- [Civil](#)
- [Environmental](#)
- [Electrical](#)
- [Nuclear](#)
- [Architectural](#)
- [Industrial/Manufacturing](#)
- [Computer](#)
- [Ocean](#)

Pick three careers that interest you and focus on them.

What three engineering careers did you pick?

Career #1 _____

What are the major job responsibilities? (list at least four)

1. _____

2. _____

3. _____

4. _____

Career #2 _____

What are the major job responsibilities? (list at least four)

1. _____

2. _____

3. _____

4. _____

Career #3 _____

What are the major job responsibilities? (list at least four)

1. _____

2. _____

3. _____

4. _____

Extend your learning

Share what you learned about the three engineering careers you picked today with someone in your home.

Ask them, “If you could learn more about just one of these careers which one would it be and why?”

Record their answer here:
