Automation & Robotics Virtual Learning

7th & 8th
What is Engineering Review
Day 4

April 29th, 2020

PLTW: Automation & Robotics
Lesson: What is Engineering Review Day 4 [April 29th]

Objective/Learning Target:
Students will review their knowledge technology and its positive and negative impacts on society.

Warm-up

Don't Forget! This week we will be reviewing our knowledge of unit 1.1 What is Engineering and Gear Ratios. We will alternate every other day.

Today we are going to continue to review what we learned about Technology in
unit 1.1 What is engineering.

There are nine different categories of technology.

Can you name them all?

1. _____

2. _____

3. _____and_____

4. _____

5. _____

6. _____and_____

7. _____

8. _____and_____

9. _____

Click here for the answer

EXAMPLE Object #1: __Tea cup_____

Type of technology: __Materials technology ____

Initial type of effect on society (circle/highlight one)

POSITIVE   NEGATIVE   UNSURE

Positive effect(s) on society ___the tea cups allows you to have a device that holds your tea or other liquids. It's has an artful design which is pleasing to the eyes and makes tea time more special/fancy._____

Negative effect(s) on society __tea cups are made up of ceramics, glass and sometimes plastic, which is not always heat safe and you can burn yourself when you think your cup is safe. They are very fragile and can break easily. Tea cups like this one can also be expensive._____

Object #1: _____

Type of technology:

_____

Initial type of effect on society (circle/highlight one)

POSITIVE   NEGATIVE   UNSURE

Insert a picture of the object in your home.

Positive effect(s) on society

_____

_____

_____

_____

Negative effect(s) on society

_____

_____

_____

_____

_____

Object #2: _____

Type of technology:

_____

Initial type of effect on society (circle/highlight one)

POSITIVE   NEGATIVE   UNSURE

Insert a picture of the object in your home.

Positive effect(s) on society

_____

_____

_____

_____

Negative effect(s) on society

_____

_____

_____

_____

_____

Object #3: _____

Type of technology:

_____

Initial type of effect on society (circle/highlight one)

POSITIVE   NEGATIVE   UNSURE

Positive effect(s) on society

_____

_____

_____

_____

Negative effect(s) on society

_____

_____

_____

_____

_____

Insert a picture of the object in your home.

Extend your learning

    Pick one of your objects and interview someone in your home. Ask them, "What positive and negative effect does this technology have on our lives?"

Record their answers here:

Positive:_____

_____

_____

Negative:_____

_____

_____

Did you have similar answers? Yes   No   Sort of