



PLTW Virtual Learning

# 6th Grade Intro to Gateway

April 24, 2020



6th Grade Intro to Gateway  
Lesson: April 24 (Part 5 of 5)

**Objective/Learning Target:**

Student will research and develop a deeper understanding of different types of robots used in society today and in the near future.

## Warm-Ups:

You selected your robot category as part of Tuesday's lesson.

Imagine another robot that could fit into your category that you aren't researching or maybe doesn't exist yet.

Next, draw a sketch of that robot, labeling its parts (like the end effector). What would it do?

## Lesson Introduction/Background Information:

Tuesday, you were to pick one of the following categories of robots to research, and pick one robot within that category to research:

- Industrial
- Medical
- Assistive
- Exploratory
  - Rescue
  - Toys
- Household

## Practice:

Today you are going to finish your research on your category. You are going to pick ONE robot from your category that you want to answer the questions about, so that will require some Googling before you start answering your research questions.

Then, I'm giving you three questions a day to find the answers to and record on a piece of paper.

## Practice:

7. Describe the impact that this robot has had or could have on its intended audience.
8. What type of jobs/careers can this robot create to provide employment for people?
9. Predict and explain how this robot may be altered to perform more or different tasks in the future.

## Self-Assessment:

Go over the answers to your research questions today with someone else at home, explaining your research to them.

(You would have been presenting this information to the class if we were in school, so present it to someone at home!)

## **Extend Your Learning/Continued Practice:**

What do you think about “giving up” more control to machines in your life?