

Robot Research Directions

READ all of these directions before beginning your research!!

Create a Powerpoint slideshow to meet the requirements outlined on the Student Worksheet – What is a Robot?

You will choose a robot to research following these criteria:

- Must be a “real” robot – **not** a fictional or movie-based or cartoon/animation robot.
- Must **not** be a robot used as a military weapon.
- Cannot be a robot for “toy” purposes only (no windup toys!).
- Cannot be the Lego Mindstorm NXT or EV3 robot.
- Choose a robot from one of the videos you watched last week (Ro bot Pals or Super Science: Robots).

Each question should get answered on a different slide and they need to provide the source of their information by copying the website URL (location) onto each slide or onto a Credit slide:

Slide 1: Title Slide – student name and name of robot they researched.

Slide 2: What is a robot?

Slide 3: Why do we have robots?

Slide 4: Name some different types of robots?

Slide 5: What are the main components of a robot?

Slide 6: Where did the term 'Robot' come from?

Slide 7: Describe the robot chosen for research.

Slide 8: Sensors - What information does it take in? (e.g. Sound, distance etc)

Slide 9: Software - What does it do? (e.g. Vacuum floors, explore space)

Slide 10: Mechanical - What materials is it made out of? How does it move? (e.g. motors, arms and metal frames)

Slide 11: Credits