Robots

SHE-ro of the Month - Hedy Lamarr

https://www.youtube.com/watch?v=L-Rn6q4o_ko

What did you learn?

Do you use something today that includes Hedy's technology?

Edison Robots

A robot is a machine that can be made to do tasks on its own. An Edison robot can sing, dance, listen, and see!

But, an Edison robot can NOT think for itself. An Edison robot relies on sensors to collect information, and a human to tell it what to do with this information.

An Edison robot has buttons and sensors. Just like how we have eyes and ears to "see" and "hear" things, the robot has eyes and ears it can use to see and hear things too!

Today, we're going to help the robot to "think" using our code.'

** The powerpoint will explain how to use your Edison Robots with example code.**

EdBlocks is a robot programming language we can use to program Edison. Imagine you are baking a cake. How would you know what to do? When you read a cookbook, you follow each step one by one. Edison also follows steps one by one, using these EdBlocks (pictured in the powerpoint). Edison reads EdBlocks from left to right, starting at block one. Edison then moves along the EdBlocks one block at a time.

Downloading Programs to Edison - Instead of using paper to program your Edison robots, we can do this from our computers. We will be visiting edblocksapp.com to make custom programs for our robots! Once there, You will hear the program being downloaded. Once it's down, the Edison will beep. Don't unplug it until you hear the beep!

Challenge #1: Make your robot spin in a circle and turn on its LEFT LED light.

Challenge #2: Make your robot move in the direction of a light source!

Materials - https://meetedison.com/content/Hour-of-Code/EdBlocks-and-Edison-light-performer-student.pdf