Activity 1

Can you name these famous robots?

R2D2

Wall-E
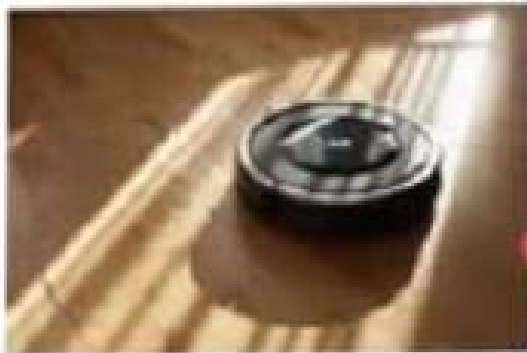
Optimus prime

Activity 2

Match these robots to their jobs.

space robot

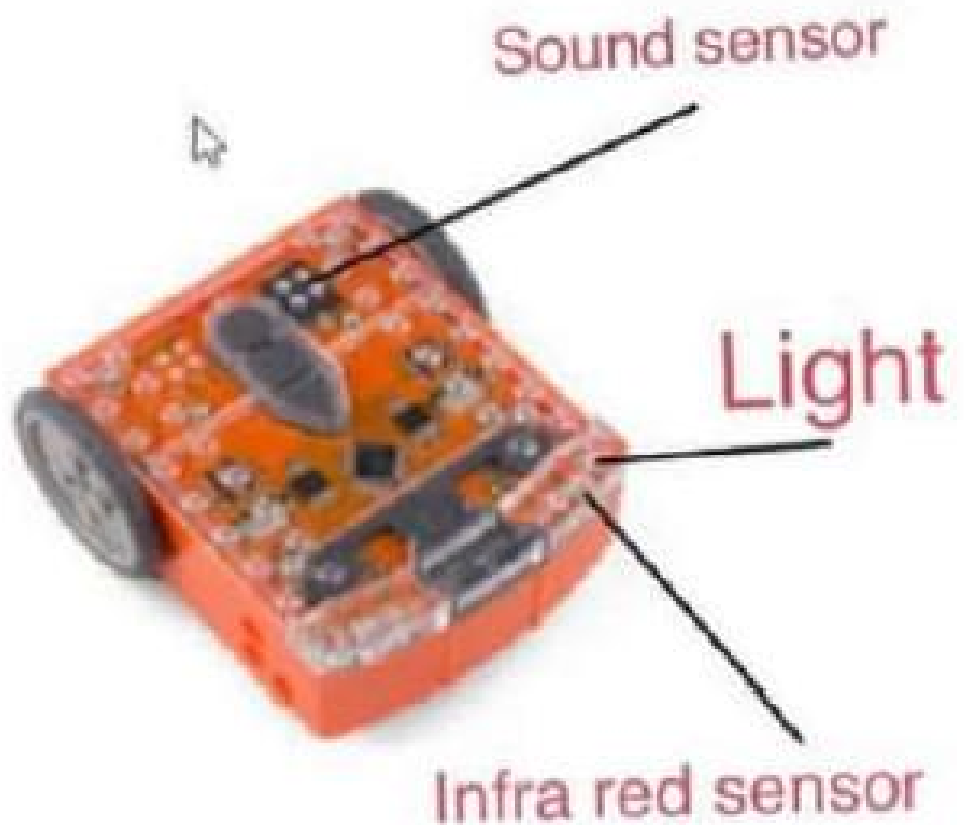cleaning robot

ctory robot

Activity 3

Can you label the sensors on this Edison?

Sound sensor

Light

Infra red sensor

The microprocessor (control system) in the Edison processes the input. It then tells Edison to send output.

Activity 4

Which parts of Edison are used for output?

1. **Motor**

2. **LEDs**

3. **Speakers**

Activity 5

What does each block do? Write a sentence for each one.

Drives both left and right
Wheels together in Edison

Let Edison discover obstacles
At sides and front

Light Edison left or right
LEDs

Put time for the process

Activity 5

To repeat the action Again and again

Now you are going to make some simple programs. It's time to take out your Edison robots!

Activity 6

Download this program onto your Edison. What happens when you press play? Write your answer here.

<div style="border: 1px solid #888; padding: 1em; text-align: center;">

Act left led flash

</div>

Did you see the Event Wait and Loop blocks in the program?

The Event Wait block lets us choose how long each function stays on. The Loop function makes the program run again and again. The LED will only flash one time with no loop function.

Activity 7

Download this program to Edison and press play.
Now change this program to Single Drive, not Dual Drive.
What's the difference between the two?

Single drive	Dual drive
Only drivers the left Or right wheel Of Edison	Drives both left and Eight wheel together Of Edison

منتديات يا أنت

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