تم تحميل هذا الملف من موقع المناهج الإماراتية

*للحصول على أوراق عمل لجميع الصفوف وجميع المواد اضغط هنا

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* للحصول على أوراق عمل لجميع مواد الصف الرابع اضغط هنا

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* للحصول على جميع أوراق الصف الرابع في مادة تصميم ولجميع الفصول, اضغط هنا

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* للحصول على أوراق عمل لجميع مواد الصف الرابع في مادة تصميم الخاصة بـ اضغط هنا

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* لتحميل كتب جميع المواد في جميع الفصول للـ الصف الرابع اضغط هنا

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للتحدث إلى بوت المناهج على تلغرام: اضغط هنا

https://t.me/almanahj_bot

Activity 1

Can you name these famous robots?

R2D2

Wall-E

Optimus prime

Activity 2

Match these robots to their jobs.

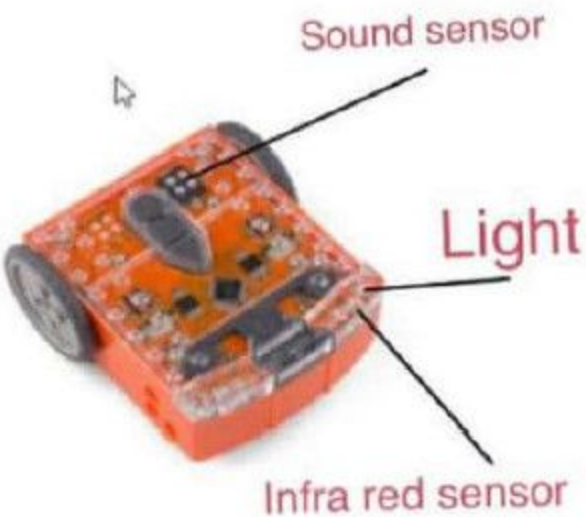
space robot

cleaning robot

ctory robot

Activity 3

Can you label the sensors on this Edison?



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

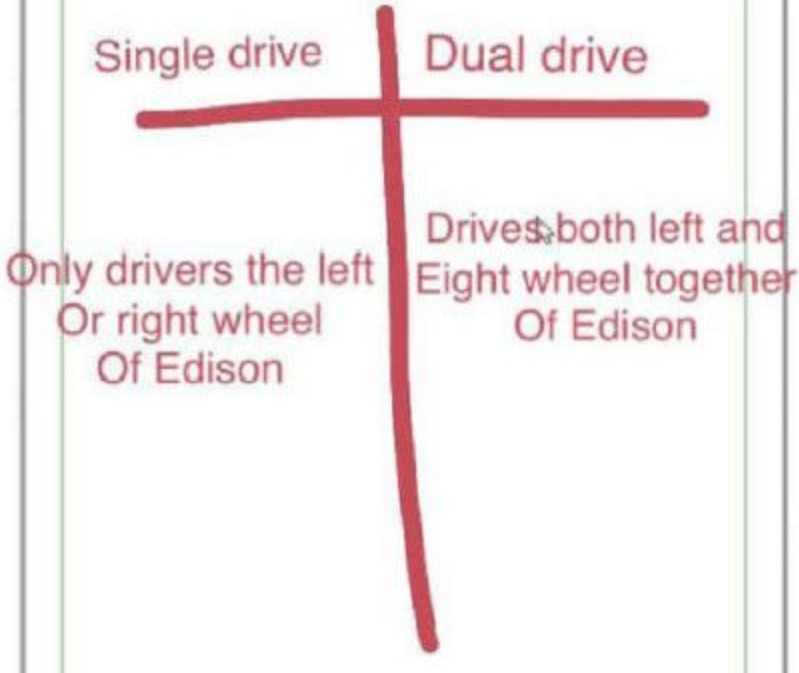
Now you are going to make some simple programs. It's time to take out your Edison robots!

Activity 6

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

Act left led flash

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?