

تم تحميل هذا الملف من موقع المناهج الإماراتية



\*للحصول على أوراق عمل لجميع الصفوف وجميع المواد اضغط هنا

<https://almanahj.com/ae>

\* للحصول على أوراق عمل لجميع مواد الصف الثالث اضغط هنا

<https://almanahj.com/ae/3>

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

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

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\* لتحميل كتب جميع المواد في جميع الفصول للـ الصف الثالث اضغط هنا

<https://almanahj.com/ae/grade3>

للتحدث إلى بوت المناهج على تلغرام: اضغط هنا

[https://t.me/almanahj\\_bot](https://t.me/almanahj_bot)

# Unit 1



# Activity 1

Find these words in the box below (one has been done for you):

M	S	T	O	B	O	R	Z	D
A	S	C	I	T	O	B	O	R
R	M	D	A	K	M	F	U	T
G	A	R	N	R	I	R	O	U
O	C	O	D	I	G	I	Y	P
R	H	N	R	D	N	I	T	T
P	I	E	O	Z	J	P	V	U
Y	N	N	I	P	X	L	U	O
V	E	M	D	Z	F	V	X	T

android

robots

robotics

input

output

drone

program

machine

انسان آلى  
 درامه الروبوتات  
 اخال  
 اضرايح  
 برنامج  
 اله



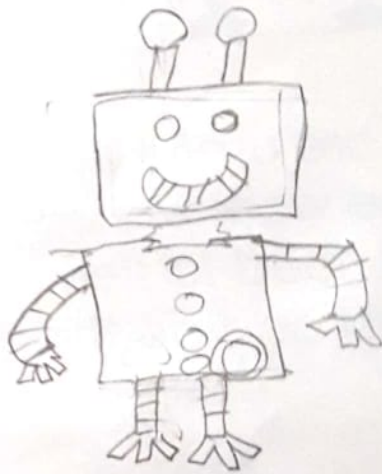
 **Activity 2**



Pair up with a friend.

Did you know the meaning of all the words? List the ones you know.

Robotics - The study of  
Robots



Each pair should pick one word from their list.

Explain to the rest of the class what it means.



## Activity 3

Think of two ways we can use drones

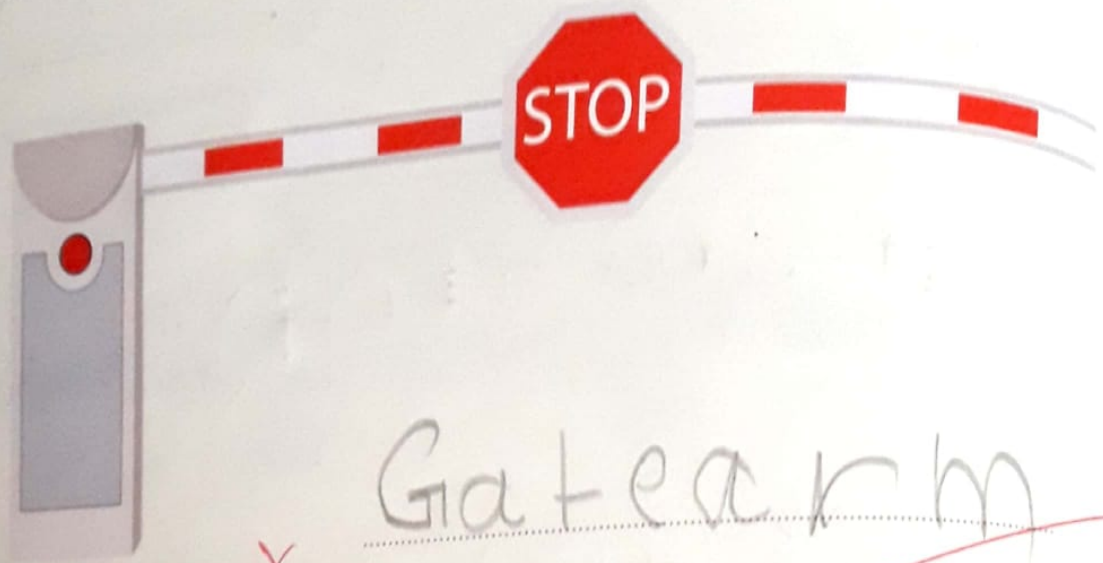
\* flying taxi

\* food delivery

\* aerial camera

19

Do you recognise these robots?

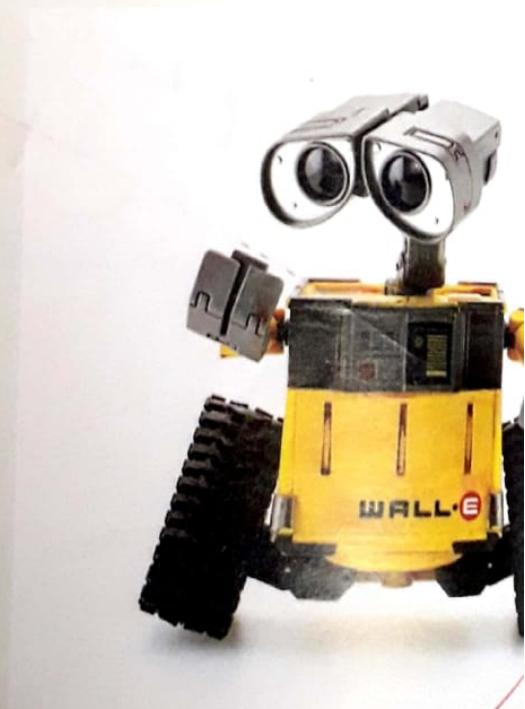


Gatearm

Excellent  
12/9/2018



Radar



Robot



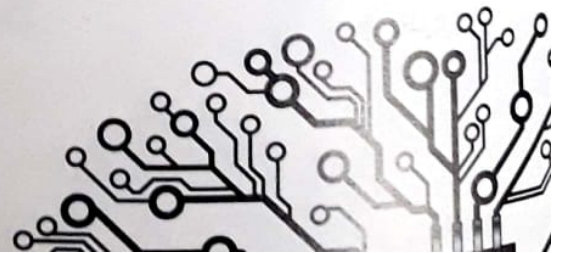
## Activity 5

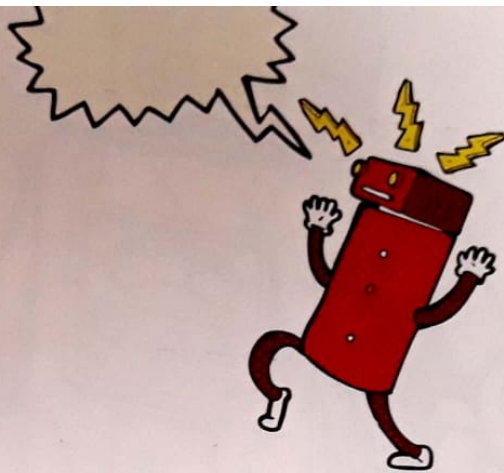
Name the 'sensors' our body uses to detect:

touch	SKIN
smell	nose
taste	tongue
hearing	ears
sight	eyes

## Brain

The brain of the robot processes the input and tells the robot...





## Activity 6

Circle the correct answer.

Lights on a robot are an example of:

input

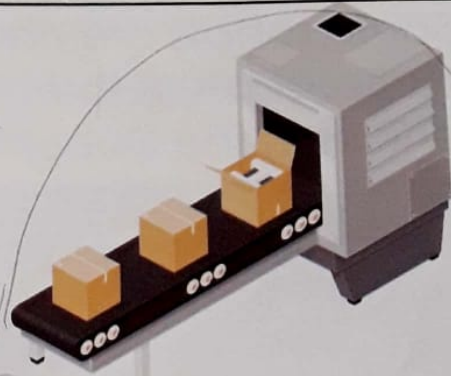
output



Which of the following do you think are **not** robots? Circle them.



Traffic lights



Simple conveyor belt



Self-driving Car

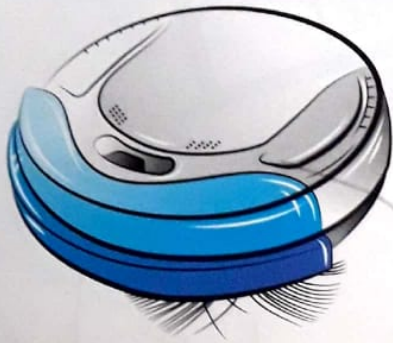


Bicycle



## Activity 9

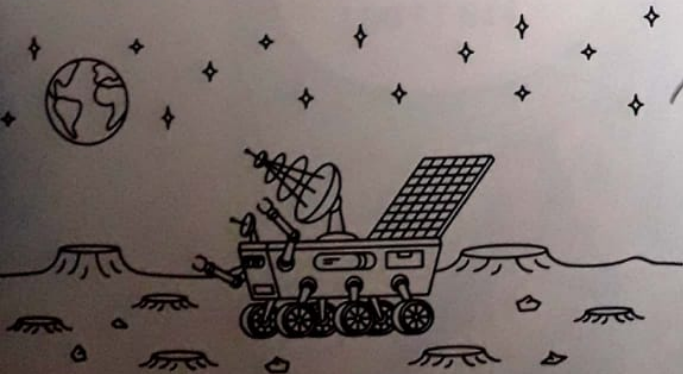
Match these robots to their jobs.



space exploration



cleaning



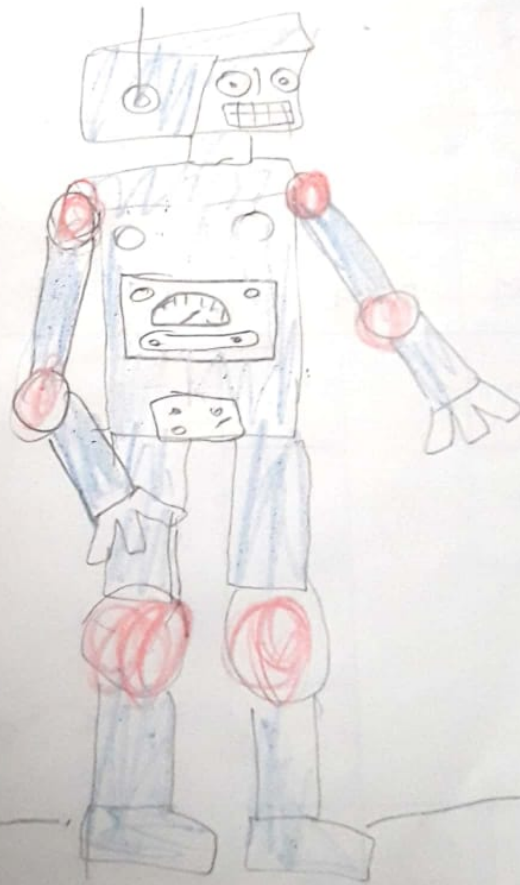
making things



# quiz

## Question 1

Draw any robot.



## Question 2

Complete the crossword puzzle shown below.

The crossword puzzle grid contains the following handwritten words:

- Across 1: r O b o t i c s
- Across 2: p r o g r a m
- Down 1: d r o b e
- Down 2: i n p u t
- Down 3: r o b o t

### Across

1. study of robots
2. instructions for robot
3. programmable machine

### Down

1. robots that flies
2. where information enters
3. where information exits

### Question 3

What are the three main parts of a robot?

Input  
Brain  
Output

### Question 4

What do we learn in robotics?

How to design  
a robot

How to use a robot

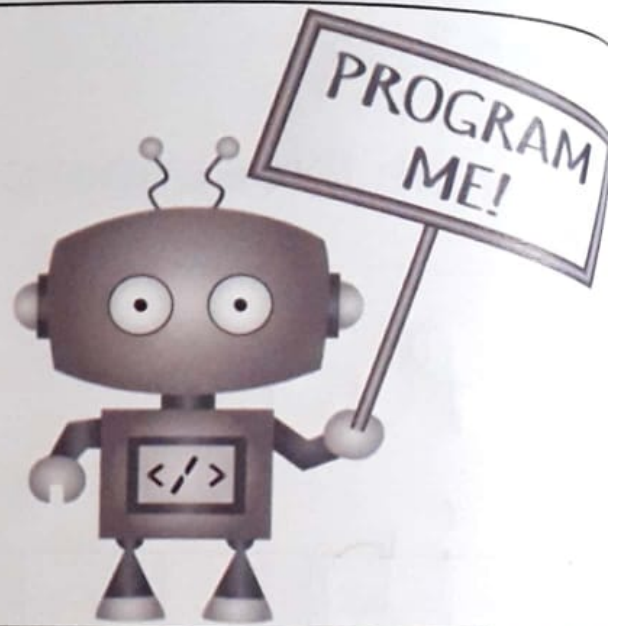
How to make  
a robot

How a robot  
works



Date

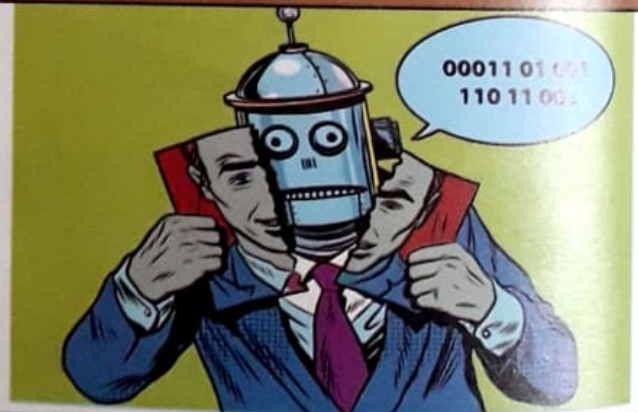
1  
Java is a popular programming language.



TRUE

FALSE

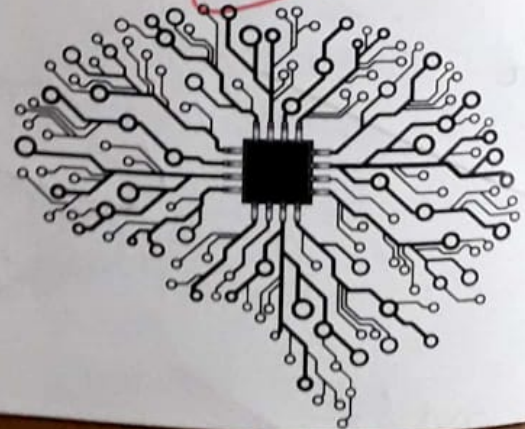
2  
We can talk to robots in any language.



TRUE

FALSE

3  
A robot has three main parts.



TRUE

FALSE

How

POP quiz 1

excellent  
24/9/2018

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Robotics is the study of robots.

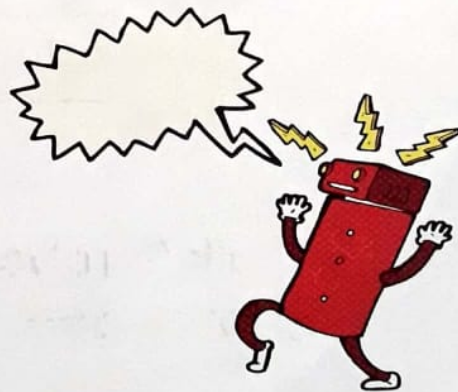


TRUE

FALSE

5

Output is anything that is taken in.



TRUE

FALSE

Evaluation