

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 الخامس اضغط هنا

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

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

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

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للتحدث إلى بوت المناهج على تلغرام: اضغط هنا

https://t.me/almanahj_bot

Project

Expo 2020 is going to be a large show. People from all over the world will come to visit. It will show all the great things that have been done in the world. The show will take place in Dubai this year.

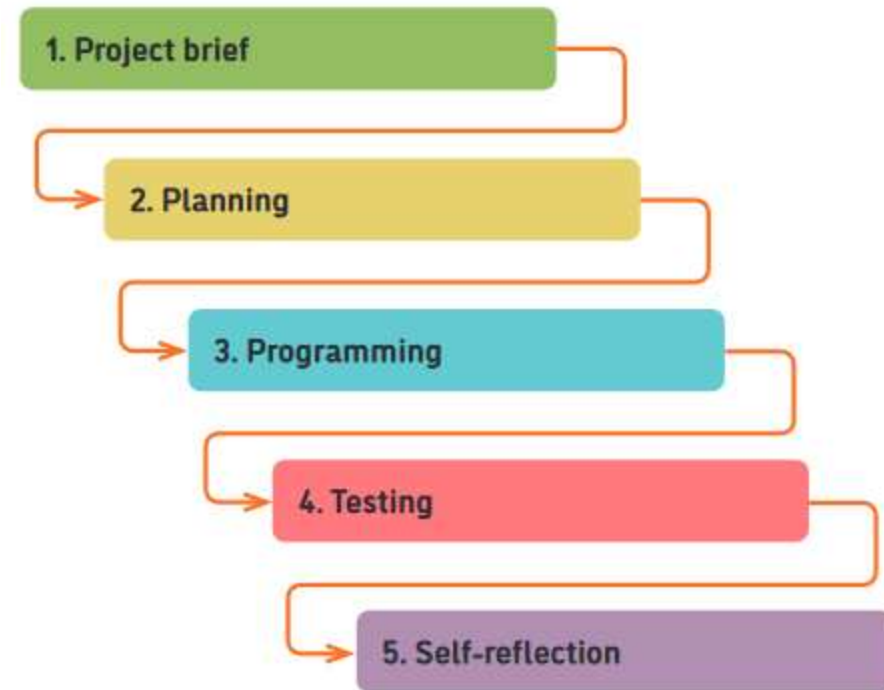


Expo 2020 3D design project

For your final project, you will create the 3D model of **an AI robot**.

Your robot should have:

- a name.
- 3 AI features.
- Expo 2020' on the 3D design.
- a body.
- a way to move, e.g. legs, wheels, etc.
- two or more different colours



1. Project brief

Design thinking – Feel phase

Feel



Understand the problem or think about their idea.



Activity 6



In this part, you need to explain the important points of the project.

Answer the questions

Page 54-55

1. We will create a/an _____ for Expo 2020.

- A Rover character
- AI Robotc
- Sprite

2. We will create a 3D model of the robot using _____.

- Makers Empire.
- Scratch.
- Kodu

3. The AI robot should have _____.

- 1 special AI feature.
- 2 special AI features.
- 3 special AI features.

4. The AI robot should have _____.

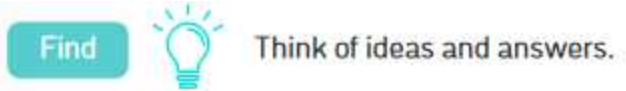
- 'Dubai Expo 2020' written or typed on the design.
- 'Expo 2020' written or typed on the design.
- 'UAE 2020' written or typed on the design

5. The AI robot should have _____.

- a way to move its body.
- a body and camera.
- speaker and wheels

2. Planning

Design thinking – Find phase



Write about **three special AI** features you want your robot to have.

-
-
-

2. Planning

Design thinking – Ideate phase

Ideate



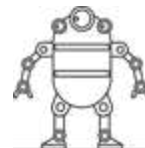
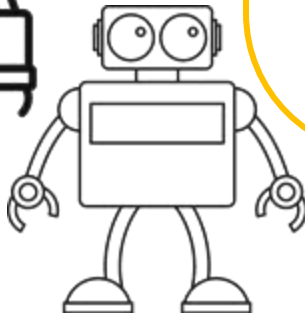
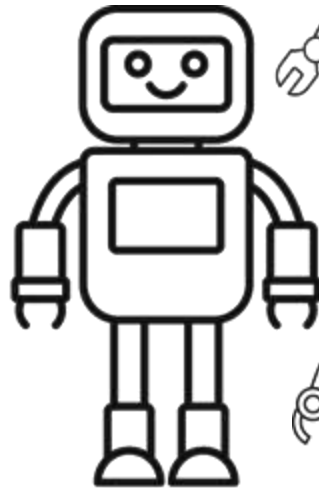
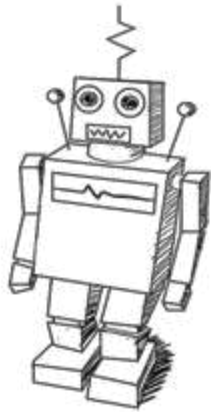
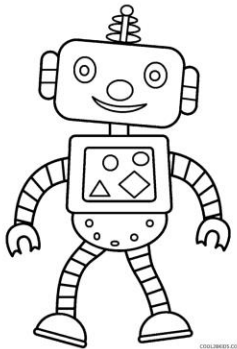
Create 2D sketches of some ideas.



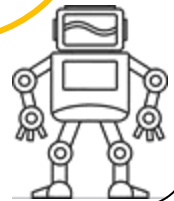
Activity 8



Draw three design ideas below. What will be special about how your robot looks?



Idea1



2. Planning

Design thinking – Ideate phase

Ideate



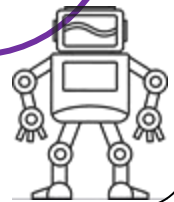
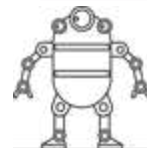
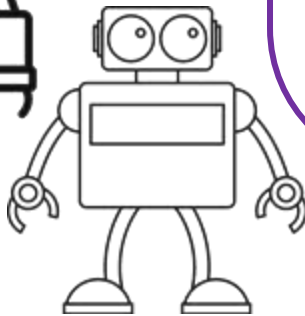
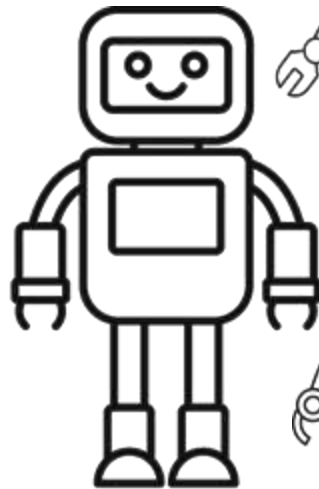
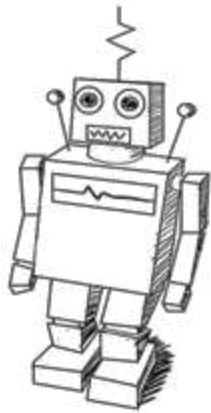
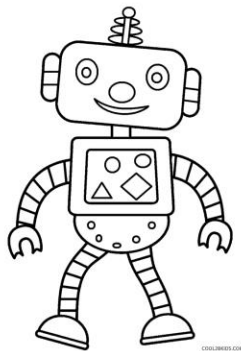
Create 2D sketches of some ideas.



Activity 8



Draw three design ideas below. What will be special about how your robot looks?



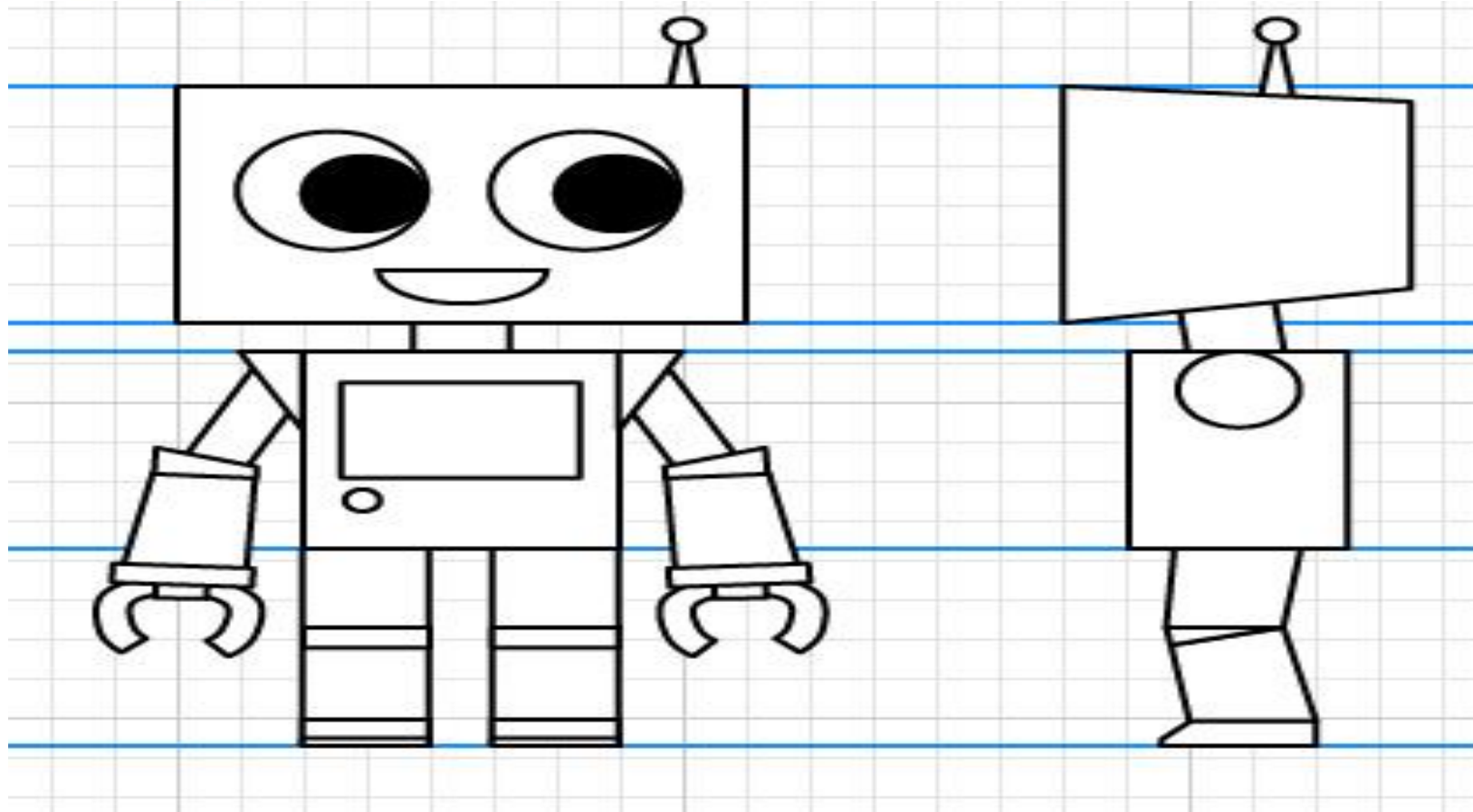
Idea2



Activity 9



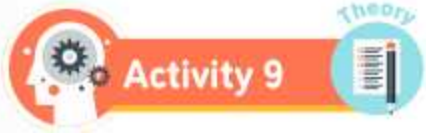
Create the front view and end view of your robot.



Front view

End View(Side View)





Activity 9



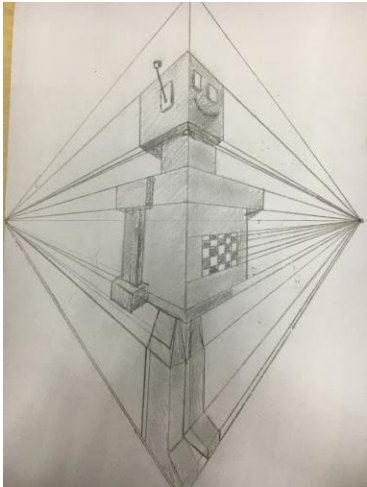
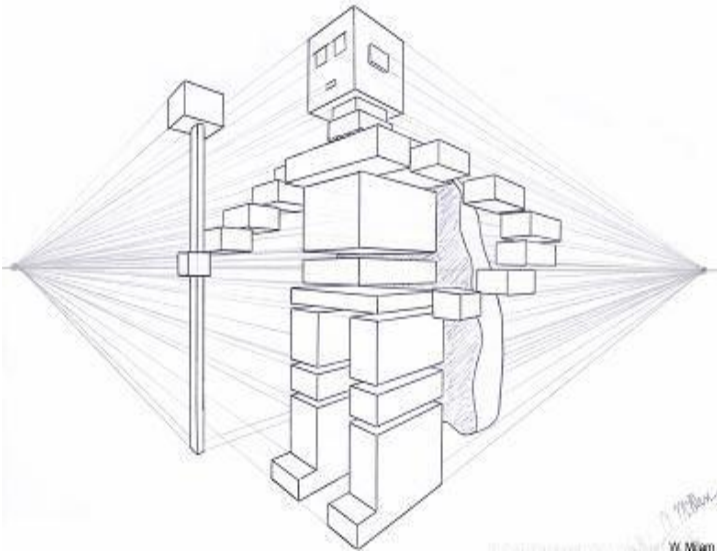
Sketch the front view and end view of your robot.



Front view



End View(Side View)



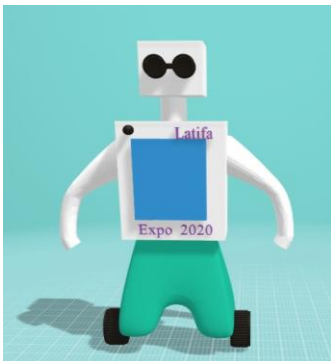
Sketch a 3D perspective drawing of your robot.
You can use one-point or two-point perspective



use 3D design software(**Maker Empire**) to create a **model** of the Expo Robot.

Your robot should have:

1. a name for the robot
2. 3 AI features.
3. 'Expo 2020' on the 3D design.
4. a body.
5. a movement mechanism, e.g. legs, wheels,
6. two or more different colours



Insert your 3D design from MakerEmpire HERE

