# AI in Games and Movies

## Learning Outcomes

✓ AI in Games
✓ AI in Movies

## • TECH SET GO ▶ •

Critical Thinking

Name any three movies you have seen, that have robot as the main character.

_____

_____

_____

_____

Kids have always loved games. Most parents worry about children wasting their time, but when the games are educational and enhance learning capabilities, it is a bonus to learn and have fun.

In this chapter, we will learn about various AI-based games and movies.

## AI in Games

Modern education revolves around game-based learning and Artificial Intelligence ensures that children learn and have fun together. Let us now learn about some Artificial Intelligence games that can take kids to the creative world.

## CodeMonkey Jr.

CodeMonkey Jr. is a platform where you can learn computational thinking skills and the basic concepts of coding. It is a block-based coding platform.

To play this game visit the following link or scan the QR code: https://www.codemonkey.com/hour-of-code/codemonkey-jr/
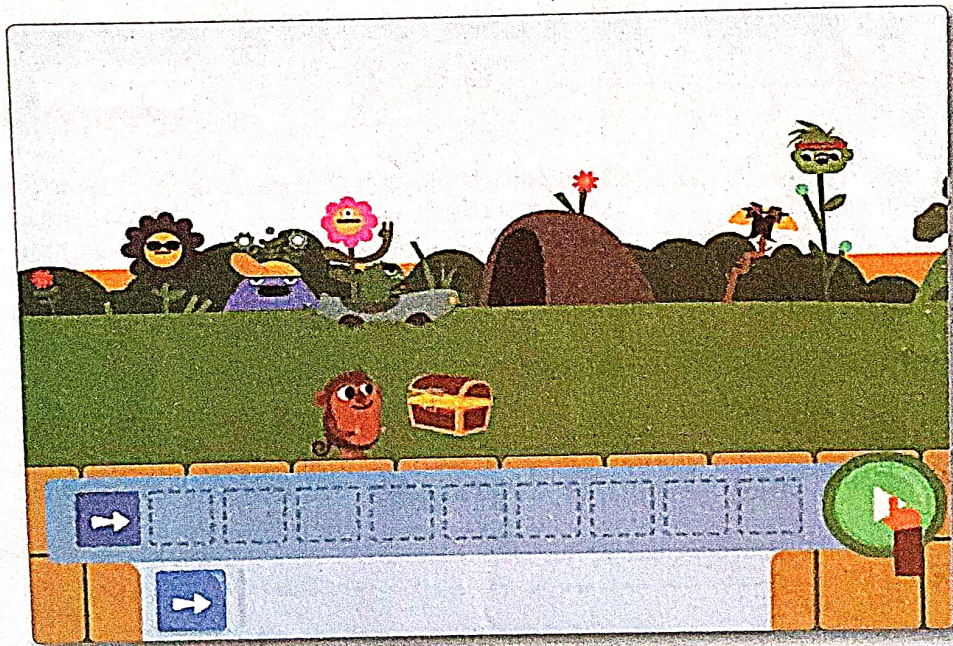


## Emoji Scavenger Hunt A-2

Emoji Scavenger Hunt game uses AI to identify emojis in the real world using the mobile phone's camera.
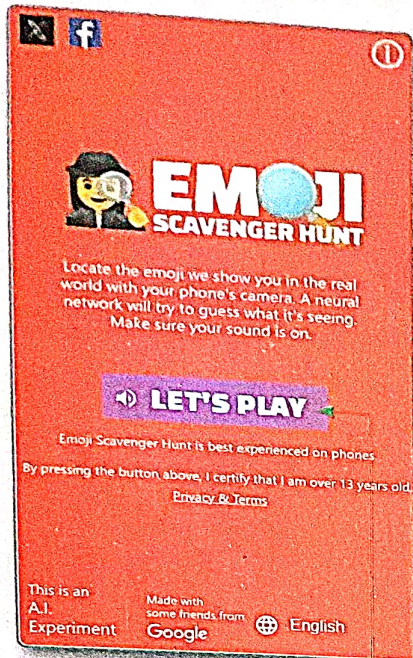
It starts by displaying a picture of an object, and the child has to go around the house looking for the same. This game can help small children learn about different objects found around the house.
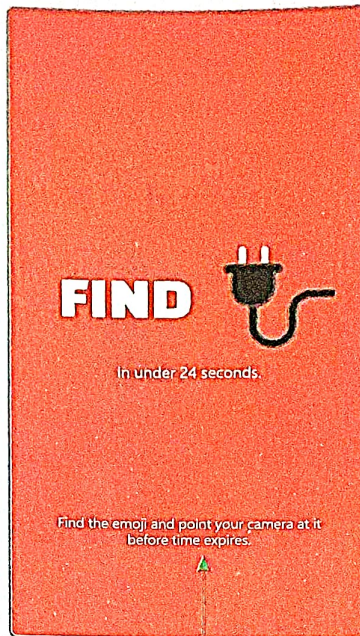
# How to play?

This game can be best enjoyed on a mobile phone. Visit https://emojiscavengerhunt.withgoogle.com or scan the QR code to play the game.



**EMOJI SCAVENGER HUNT**

Locate the emoji we show you in the real world with your phone's camera. A neural network will try to guess what it's seeing. Make sure your sound is on.

🔊 **LET'S PLAY**

Emoji Scavenger Hunt is best experienced on phones

By pressing the button above, I certify that I am over 13 years old.
Privacy & Terms

This is an A.I. Experiment   Made with some friends from Google   🌐 English

**FIND**

In under 24 seconds.

Find the emoji and point your camera at it before time expires.

FIND   👍 2 ⏱ 25

You found the item. Timer increased.

**NEXT EMOJI**

HEY YOU FOUND 🔌!

1️⃣ Click on the **LET'S PLAY** button.

2️⃣ Find the given object using your camera.

3️⃣ Click on the **NEXT EMOJI** button to go for next object.

## Shadow Art

Shadow art is an age-old game where one would make a shadow with one hand and ask their friends to guess. AI game, Shadow Art allows kids to learn how to make shadow puppets just by using their hands. To play this game visit the following link or scan the QR code:

https://shadowart.withgoogle.com/



Shadow Art

Horse
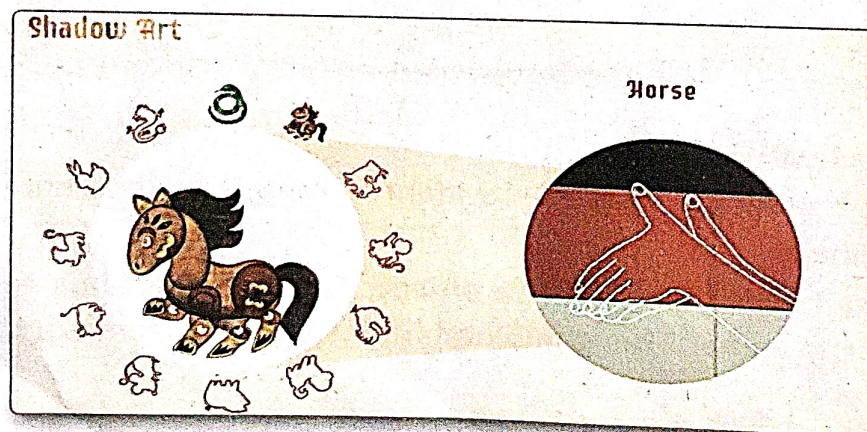
## Rock, Paper, Scissors

Rock, paper, scissors is a hand game typically played by two people. In this game, both players make one of three hand shapes at the same time: "rock," "paper," or "scissors."

In this game, the AI learns by first making random decisions and then adjusting them to promote interactions that lead to victories.

To play this game visit the following link or scan the QR code:

https://next.rockpaperscissors.ai/
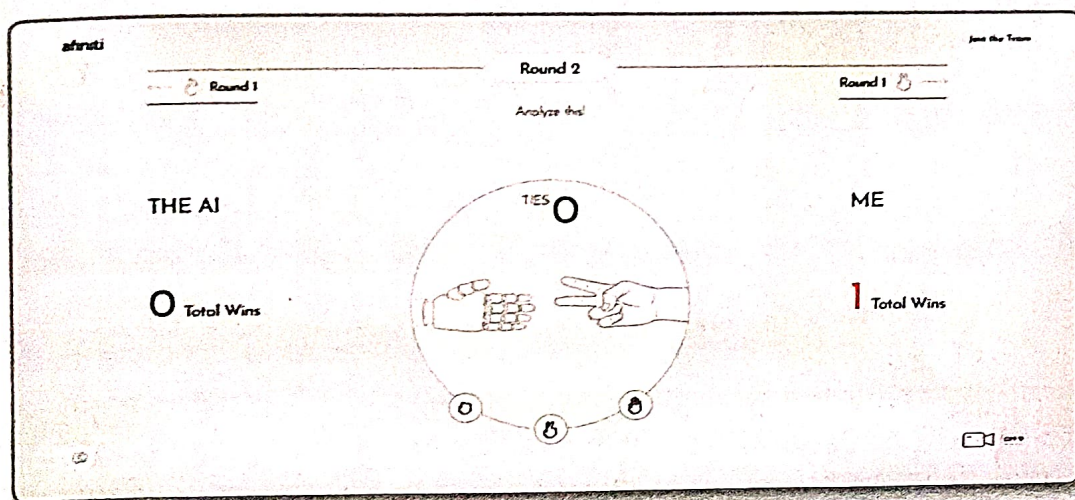




**Critical Thinking**
**Technology Literacy**

## AI QUEST

Mention the names of any two AI games.

1. _Code Monkey Jr._
2. _Shadow Art_

## AI Fact

One of the oldest hand games still played today was invented in China and is called rock, paper, scissors. To coordinate each move, players typically say "rock, paper, scissors" aloud.
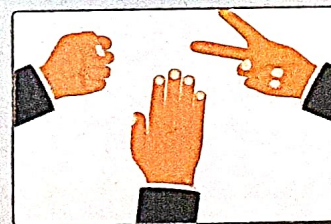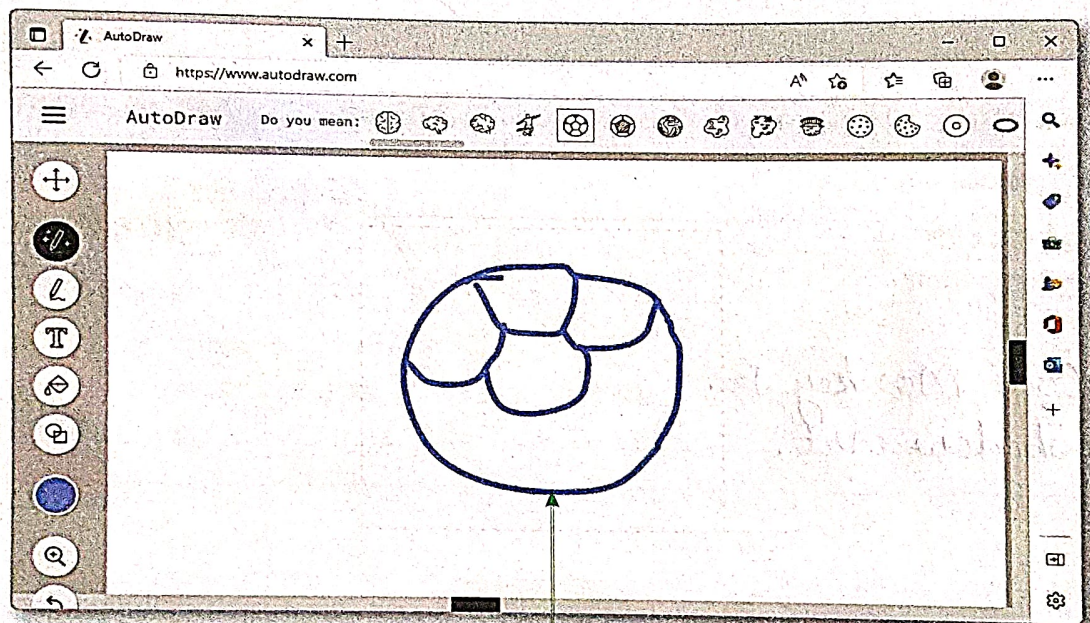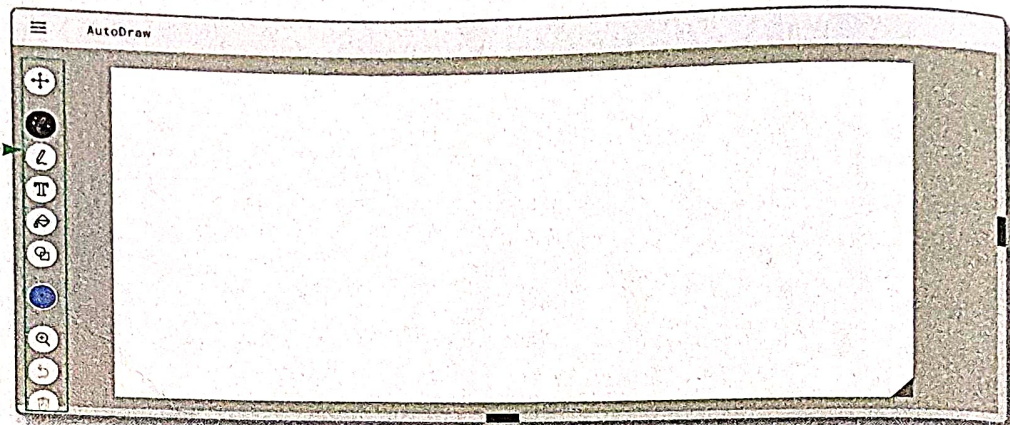
# AutoDraw

Drawing is a fun activity for both children and adults, but drawing on a digital platform can be difficult. Catering to this problem, Google came up with a solution, AutoDraw. AutoDraw is a powerful tool used for drawing images. It deploys AI features to enhance the images drawn. Follow the given steps to use AutoDraw: Visit https://www.autodraw.com/ or scan the QR code.



**1** Select any tool from the left-hand toolbar.



**2** Drag on the drawing canvas to draw any shape.

Once you have drawn on the canvas you will see that a toolbar appears on the top of the drawing canvas.
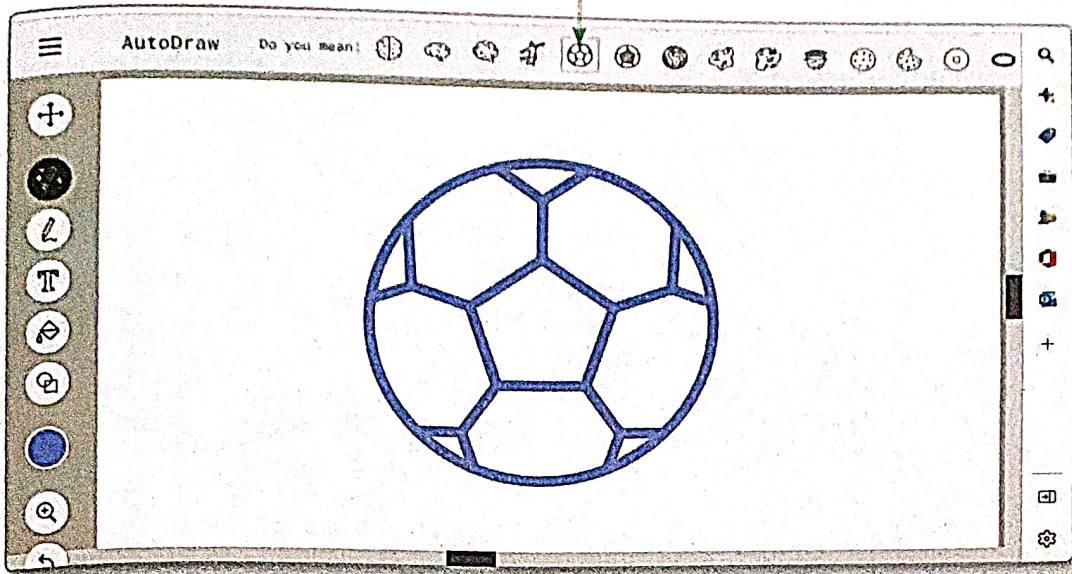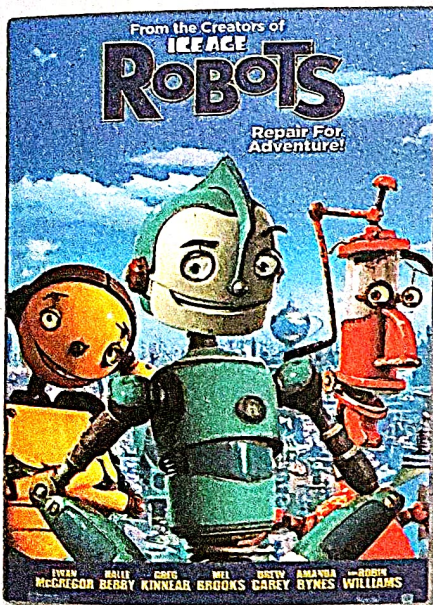
## AI in Movies

Movies are fun to watch. The best ones are those which entertain and guide you at the same time. Some AI movies for children are engaging and provide a great learning experience. Let us learn about some AI movies.
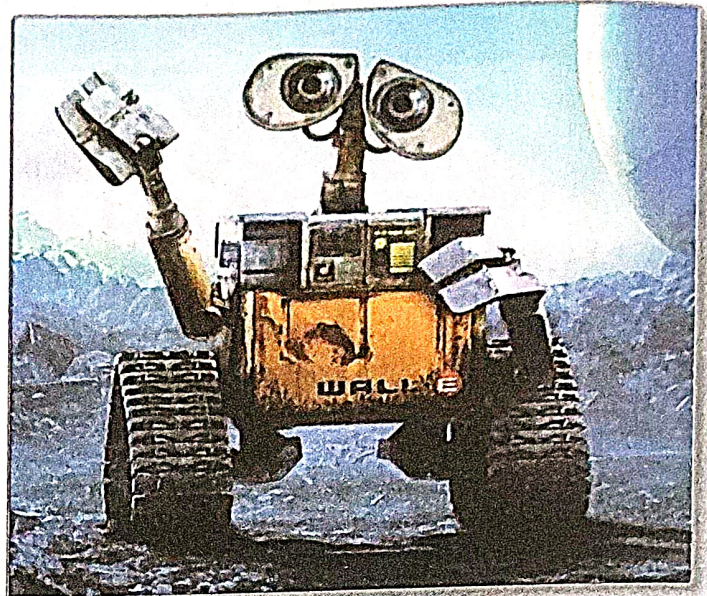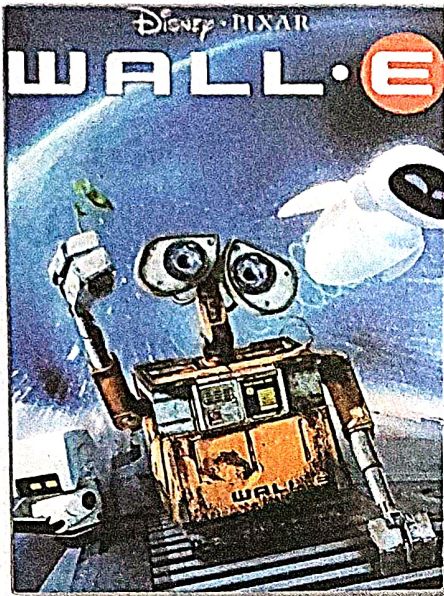
## Robots

The Robots movie is based on a maverick inventor who travels to the big city to meet his inspiration and to work for him.
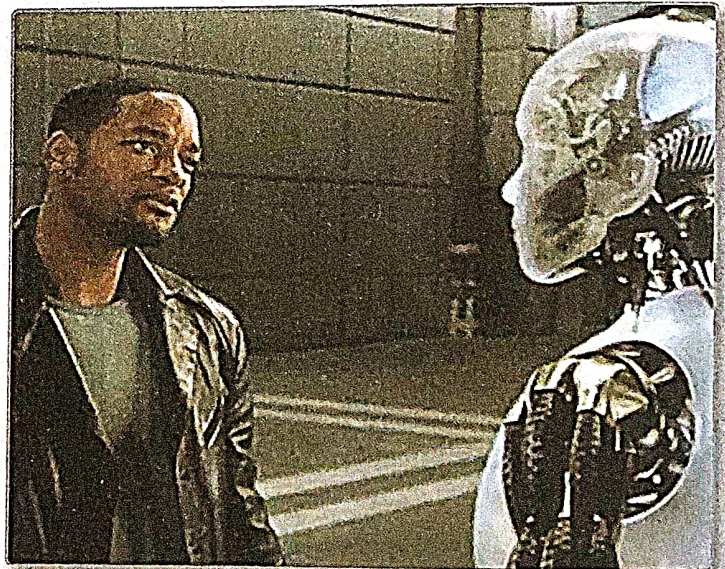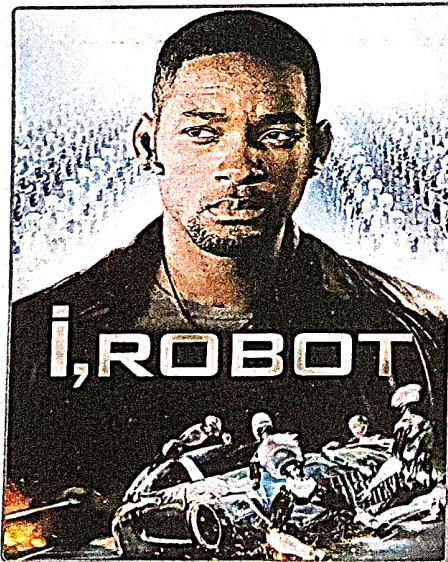
## Wall-E

The WALL-E movie is about a kind-hearted garbage collector robot called Wall-E, responsible for collecting waste from Earth.
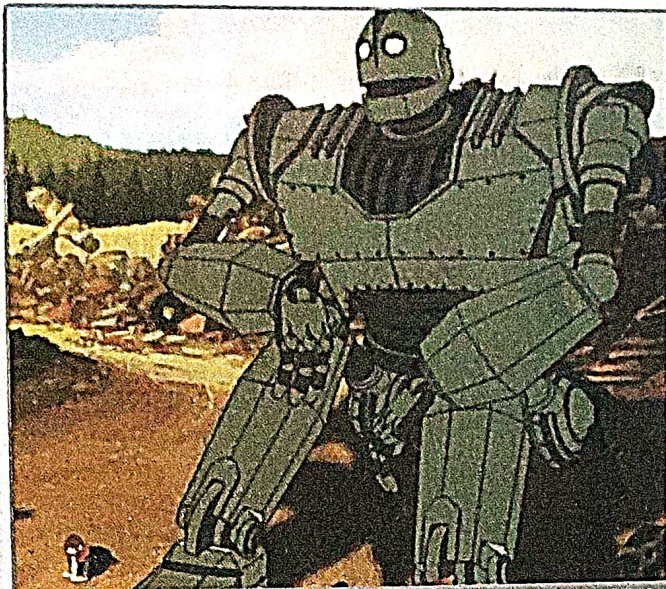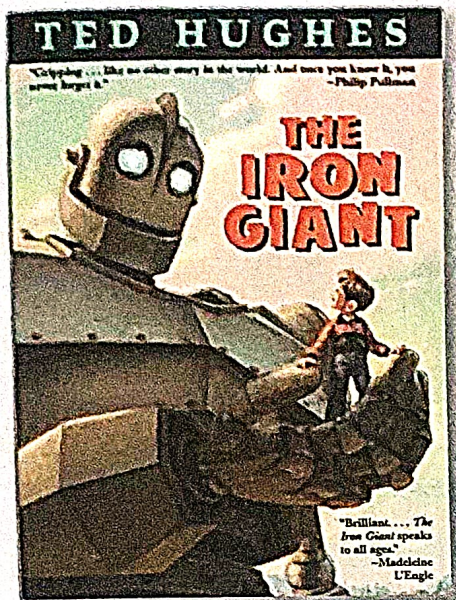


## I, Robot

The I, Robot movie is based upon the three laws of robotics devised by Isaac Asimov in 1942, which direct the interaction between robots and humans.

## The Iron Giant

The Iron Giant movie is about a giant "killer" robot from outer space who has landed on Earth. The robot befriends a little boy who tries to save the robot from the government and military.
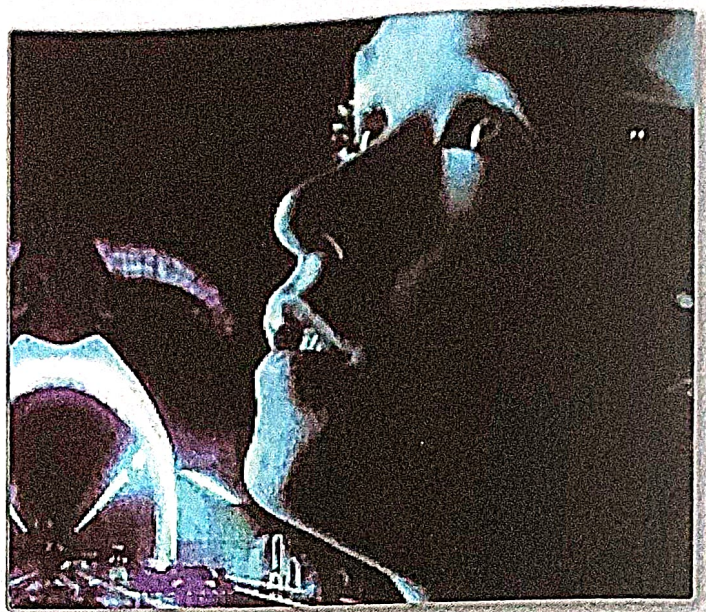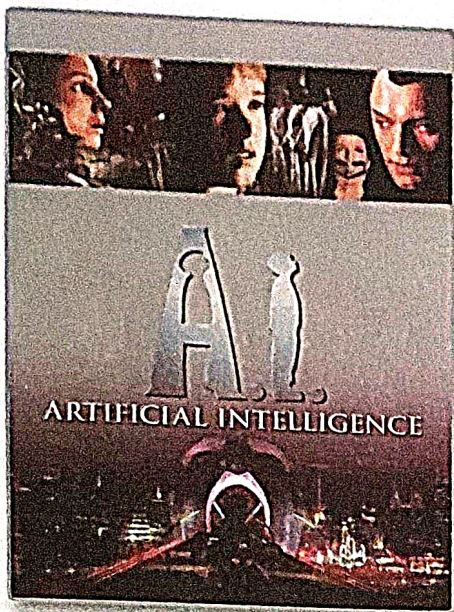


## Big Hero 6

Big Hero 6 movie is based on a medicare robot "Baymax" and a 14 year old genius Hiro. They fight with an unknown villain who is a dangerous new type of robot called "microbots."

# A.I. Artificial Intelligence

A.I. Artificial Intelligence is a movie of a "Kid Robot" with real emotions like love, jealousy, etc.

Write the names of any four AI movies.

_Robots_

_Wall-E_

_I, Robot_

_Big Hero 6_

## 🔄 REFRESH

- Modern education revolves around game-based learning and Artificial Intelligence ensures that children learn and have fun together.
- Some AI movies for children are engaging and provide a great learning experience.

# TECH READY

## A. Tick (✓) the correct option.

1. Which of the following is a block-based coding platform?

   (i) CodeMonkey Jr. ✓    (ii) Thing Translator ☐

   (iii) Emoji Scavenger Hunt ☐    (iv) Shadow Art ☐

2. Which of the following allows kids to learn how to make shadow puppets just by using their hands?

   (i) CodeMonkey Jr. ☐    (ii) AutoDraw ☐

   (iii) Shadow Art ✓    (iv) None of these ☐

3. The hero of _____ movie is a garbage collector robot.

   (i) Wall-E ✓    (ii) Big Hero 6 ☐

   (iii) I, Robot ☐    (iv) Robots ☐

4. _____ movie of 2001 revolves around a "Kid Robot" with real emotions.

   (i) I, Robot ☐    (ii) The Iron Giant ☐

   (iii) Robots ☐    (iv) A.I. Artificial Intelligence ✓

5. _____ is the medicare robot in the movie Big Hero 6.

   (i) Da Vinci ☐    (ii) CyberKnife ☐

   (iii) Baymax ✓    (iv) Microbots ☐

## B. State whether these statements are true or false.

1. Artificial Intelligence ensures that children learn and have fun together. _____ True

2. Modern education revolves around game-based learning. _____ True

3. I, Robot is an AI game. _____ False

4. Rock, paper, scissors is a shadow game played by two players. *False*

5. 'Baymax' is a dangerous robot. *False*

C. Answer the following questions:

1. Which movie is based on the three laws of robotics?

*I, Robot.*

2. Name the game which uses AI to identify emojis in the real world using the mobile phone's camera.
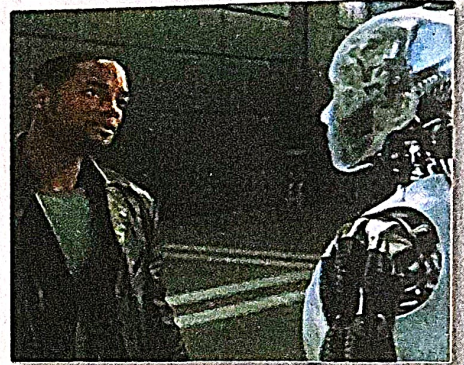
*Emoji Scavenger Hunt.*

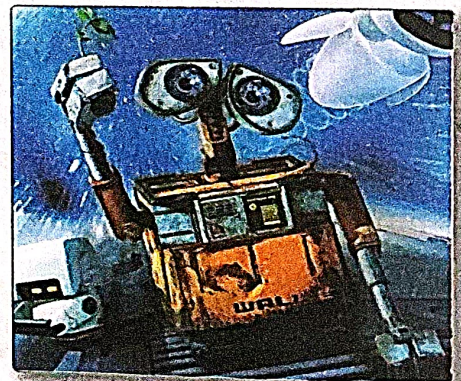## TECH TWISTER

Identify the following movies and write their names:

1.
*Big Hero 6*

2.
*I, Robot*

3.
*The Iron Giant*

4.
*Wall-E*