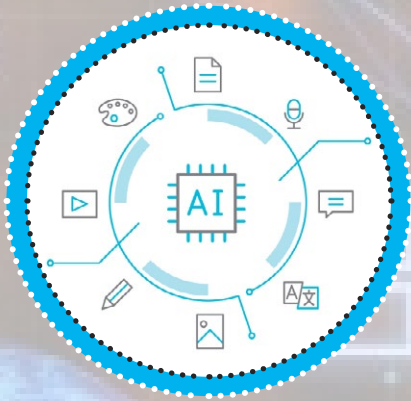


# All About Artificial Intelligence (AI)



Artificial intelligence (AI) Artificial intelligence is commonly known as AI. It is a technology that is used daily by people around the world. For example, in streaming TV services and car navigation systems.

## What Is AI?

AI is the **technology** that gives a computer, robot or machine the power to learn. AI uses the information and instructions it is given to solve problems.



## The History of AI

The first AI computer programs were created over 70 years ago. They were designed to play board games and use human-like intelligence. In 2016, the most advanced **humanoid** AI computer called Sophia was created by Hanson Robotics.

## How AI Is Used Today

Today, many smartphones use AI for face ID security and most modern cars have maps and directions systems that use AI technology. Streaming TV services also use AI to recommend shows to users based on what other users are watching. This includes services such as Netflix. Virtual assistants use AI to answer questions and complete tasks. An example of this is the virtual assistant known as Alexa. In addition, search engines use AI to search for information quickly. Banking, shopping and utility companies use AI to help their customers by using computers that answer phone calls and chat box questions.





## Advantages and Disadvantages of AI

AI technology can work non-stop, solve problems quickly and is less likely to make mistakes. AI robots can complete jobs that would possibly be too dangerous for humans, such as ocean or space exploration.

However, AI technology can break and go wrong. It is expensive to develop and fix. Additionally, AI only knows what it has previously been shown. Although AI has human-like intelligence, it cannot copy or understand human emotion.

## How Might AI Develop?

In the future, AI might be able to design video games, write music or poetry with little human help.

AI is a fast-developing technology. It is appearing more frequently in our everyday lives so it is important to keep ourselves safe when we use it.



## Glossary

**humanoid:** Something that is not human but made to look and behave like a human.

**technology:** Machines or equipment created to make tasks or living easier.

1. What is AI? Tick one.

- ☐ hardware that makes a computer turn on
- ☐ technology that helps a computer connect to the Internet
- ☐ technology that helps a computer learn
- ☐ technology that helps a computer print documents

2. How long ago were the first AI computer programs created? Tick one.

- ☐ over 100 years
- ☐ over 90 years
- ☐ over 80 years
- ☐ over 70 years

3. Which virtual assistant is mentioned in the text? Tick one.

- ☐ Netflix
- ☐ Alexa
- ☐ Deep Blue
- ☐ Sophia

4. What is one advantage of AI mentioned in the text? Tick one.

- ☐ It can work non-stop.
- ☐ It is expensive to develop.
- ☐ It can break.
- ☐ It cannot copy human emotion.

5. Look at the section called **The History of AI**.

Find and copy one word that means the same as 'having the most recent ideas and technology'.

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6. Fill in the missing words.

AI uses the \_\_\_\_\_ and \_\_\_\_\_ it is given to solve problems.

7. Summarise the advantages of AI technology.

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