

LISTENING

- 1 What is artificial intelligence? How is it used in each of the photos?

1



2



3



4



- 2 Read the factfile and check your ideas. Can you think of any other examples of artificial intelligence?

AI

What is it?

Artificial Intelligence, or AI, is the ability of machines to do tasks that usually require human intelligence.

How old is it?

Early computers included some elements of artificial intelligence as long ago as the 1940s. For example, the first chess computer software was developed in 1948 by British scientist Alan Turing.

Where is AI used?

AI is being used in almost every area of our lives. Here are just some examples:

Medicine AI can detect early signs of disease. Millions of us already have apps that tell us how to improve our health.

Transport Self-driving cars and other automated vehicles will become a reality on our roads soon.

Business When we use the online chat on a company website, we're often chatting with a 'bot', which simulates human conversation.

Policing AI is used to fight crime in different ways, such as checking video from security cameras to search for someone's face, or detecting and blocking hackers.

How will AI change in the future?

Most AI is used to do just one main task – it's powerful but narrow. Scientists aim to make future AI adaptable to different tasks. One day, a machine may be able to do everything that the human brain can do, only many times faster. This may not happen for a very long time, but when it does, our everyday lives will be very different from how they are today.

- 3 Match the words in the box from the article with their definitions.

automated block bot
detect simulate software

- 1 a computer program
- 2 operated by machines
- 3 appear to be doing a certain action
- 4 stop something from passing
- 5 use scientific methods to find something
- 6 an online program that performs a specific task, often in a way that makes it seem like a person



When you're listening to someone, try to work out what their intention is. Are they explaining a process, making a suggestion or giving advice? Listen out for phrases that help you understand why they are talking.

- 4 Read the *Skill UP!* Match the phrases 1–3 to the speaker's intention A–C.

- 1 I get where you're coming from ...
- 2 I'm just not sure about ...
- 3 You say that, but ...

- A disagreeing with someone
B admitting that someone is right about something
C expressing doubt

- 5 25 Listen to a conversation between Isla, a computer science student, and her dad. How are their attitudes towards AI different?

- 6 25 Listen again. Choose the correct option.

- 1 What does Isla say about the effect of AI on employment?
A Her dad has nothing to worry about.
B The AI industry will replace other industries.
C This situation hasn't happened before.
D AI will help to create new jobs.
- 2 What is Isla's dad's attitude to smart devices?
A He doesn't have any.
B He doesn't like using them when he exercises.
C He doesn't think they are necessary.
D He thinks they're better than the human brain.
- 3 What does Judith Donath predict about bots?
A We won't have real friends, only bots.
B They'll remember a lot of information.
C We'll start interacting with them frequently after 2030.
D They'll cause problems for us.

- 4 Why might a bot's advice not be objective, according to Isla and her dad?

- A It was created to influence people.
B It isn't really interacting with you.
C It was created to make money.
D All of the above.

- 5 Isla says that:

- A the future of AI is unknown.
B we should learn to use AI.
C she is positive about the future of AI.
D she is certain about the future of AI.

Mediation skills

- 7 Discuss the questions.

- 1 How does the development of artificial intelligence make you feel? Why?
- 2 Have you ever interacted with a bot? What was the experience like?
- 3 Imagine life in 20 years' time. Describe your everyday routine. Which types of technology will you be using?

- 8 **MEDIATION** Look online and find three more examples of how AI is used in everyday life. Share them with the class.

PROJECT BUILDER 4

Develop your ideas and draw sketches.

Workbook **Project Log** p29

- 9 Discuss each idea that you chose in Project Builder 3 in more detail. Can you think of ways to make them modern and high-tech?

Our new apartment block will have 50 apartments. It will be made of glass.

The apartment block will use facial recognition, so only residents can enter.

- 10 Draw sketches of each idea. Don't worry if they aren't perfect – you will be able to improve and finalize them later. Decide who will draw each sketch.

