

Lesson 8 Technology All Around Us

Functions

- 알고 있는지 묻고 답하기

A: Have you heard about smart chairs?

B: Yes, I have. / No, I haven't.

- 놀람 표현하기

I'm surprised that a chair can do so many things.

Forms

- 가주어/진주어

It is hard **to understand** your explanation.

- 의문사 + to부정사

Then it decides **what to recommend**.

Topic 1 Listen & Talk

A Listen and Check

1

G Look at this chair! It looks comfortable.

B It's a smart chair. Have you heard about smart chairs?

G No, I haven't. What are they?

B They are chairs with special sensors. They can check your health while you are sitting.

G I'm surprised that a chair can do so many things.

2

G Have you heard about 3D printers?

B Yes, I have. Actually, I have seen smaller ones before, but this one is very big.

G Yeah. It's because this is used for making buildings.

B I see. I'm surprised that a 3D printer can build buildings.

G Me too. Let's take a closer look at it.

3

B Look at that drone! The man over there is flying it.

G Yes, I see that. What is the drone for?

B It helps farmers. It makes their work easier.

G Really? How does it do that?

B It can plant seeds. Then it can fly over the fields and water them.

G Wow. I'm surprised that a drone can do all that.

C Listen Up

B There are so many things to see at this show!

G You're right. What would you like to see first?

B Have you heard about self-driving bikes? I'd like to see them first!

G Oh, I'm surprised that a bike can drive itself! How do self-driving bikes work?

B They have cameras and sensors. So, they can check the area around them, and they can choose the best way.

G They sound similar to self-driving cars. What else can they do?

B They can stop by themselves if there is something in the way.

G Wow, that's interesting.

Topic 2 Real-Life Communication

M Hi, everyone! Today's special guest is Emma Brown. She has made a lot of amazing items.

W Hi! Thanks for having me today.

M Thank you for coming. Please tell us about your new item.

W Sure. I made smart glasses. Have you heard about them?

M Yes, I have, but I don't know much about them.

What is special about these glasses?

W They can show digital information, such as maps, in front of your eyes.

M Wow! Then I don't need to use my smartphone for directions anymore.

W Exactly. Also, they can recognize your voice and send texts.

M I'm surprised that glasses can do all that! Can I take a look?

W Of course. Let me show you.

Lesson Review

B Juhee, have you heard about smart refrigerators?

G No, I haven't. What is a smart refrigerator?

B It's a refrigerator that can scan the things inside and show you recipes.

G That sounds interesting. How does it work?

B It uses special sensors to see what is inside it and then finds recipes.

G I'm surprised that a refrigerator can do that. I want to have one at my house.

B Me too. It would make cooking easier.

8과 본문

A Chat with an AI Chatbot

Today's Lesson: What is AI?

(1) Talk to an AI chatbot, and ask it some questions.

(2) Share your chat with your classmates.

- Hi, nice to meet you!

- Hello! Nice to meet you, too! I'm your AI friend

ANNIE. I can answer ANY questions that you have.

How can I help you?

- Can I ask you some questions about AI?

- Sure! I'd be happy to answer your questions!

- My first question is: What is AI?

- AI stands for "Artificial Intelligence." It is a kind of computer system. AI can understand language, learn from experiences, and make decisions like humans.

- It is hard to understand your explanation. Can you give me an example?

- Sure! Imagine that you have a new pet dog and you want to teach it how to sit and stay. Your dog will learn from information and experiences. AI is similar. But you don't have to give AI a snack!

- How is AI used in everyday life?

- AI is used in many situations. For example, AI technology can recommend new videos that you may like. It studies which videos you have already watched. Then it decides what to recommend.

AI can also recognize your face to unlock your smartphone. It learns what your face looks like. Over time, it gets better at recognizing you, even if you change your hair or wear a mask.

- Here is my last question: What should I be careful about when I use AI?

- You should keep the following things in mind:

1. Accuracy: AI is not always correct, so you should always carefully check the information that it provides.

2. Originality: Even if the information is correct, do not blindly copy it. Make sure you understand it, and then write it in your own words.

3. Privacy: It is not safe to share your personal information with AI.

If you are careful about these things, you can use AI safely and wisely.

- Got it, thanks!

- You're welcome! If you need help in the future, feel free to ask. Have a great day!