

### **WATCH AND LISTEN**





# ACTIVATING YOUR KNOWLEDGE

#### PREPARING TO WATCH

- 1 Work with a partner and answer the questions.
  - 1 What are the four 'STEM' subjects?
    - a Science, Technology, Engineering, Mechanics
    - b Science, Technology, Engineering, Maths
    - c Science, Technology, Economics, Maths
  - 2 Can you think of any famous people who work in a STEM industry? How did they become famous?
  - 3 What do you think makes somebody a good research scientist? What interests and abilities do they have?

# PREDICTING CONTENT USING VISUALS

- 2 You are going to watch a video about research scientists. Before you watch, look at the photos from the video. Discuss the questions with your partner.
  - 1 What is happening in each photo? Which job do you find most interesting? Why?
  - 2 What do you think the main topic(s) of the video will be?
  - 3 In the video you will hear about three inventions. What do you think these might be?

### **GLOSSARY**

fundamental (adj) more important than anything else

**treatment** (n) the use of medicine to make a sick or injured person healthy **immune system** (n) the system in the body that protects it against infection **vaccine** (n) a special substance that you take into your body to prevent a disease

**cataract** (n) a disease which affects somebody's eye so that they can not see clearly

pandemic (n) a dangerous disease that infects many people at the same time





#### WHILE WATCHING

3 Read the paragraph and try to predict the words you will hear. Then watch the video and complete the paragraph.

- 4 Watch again. Circle the correct answer. In some items, more than one answer is possible.
  - 1 Which type of thinking does the speaker say is 'fundamental to science'?
    - a critical
- **b** logical
- **c** practical
- 2 What did James Dyson use during his first attempt at creating a vacuum cleaner?
  - a cardboard
- **b** plastic wire
- c sticky tape
- 3 In which location(s) might a research scientist work?
  - a underwater
- **b** in space
- **c** in a lecture hall
- 4 Which area did the creators of BioNTech first want to research?
  - a Covid-19
- **b** cancer
- c the immune system

### DISCUSSION

- 5 Discuss the questions below in a small group.
  - 1 Which of the people mentioned in the video has had the most positive effect on the world? Why?
  - 2 Based on the video, what effects has the work of research scientists had on your life?

**SUMMARIZING** 

UNDERSTANDING DETAIL

# **LISTENING**

### **LISTENING 1**

### PREPARING TO LISTEN







- 1 Work in groups. Look at the photos and discuss the questions.
  - 1 Which of these inventions do you think is the oldest?
  - 2 Which do you think is the newest?
  - 3 Which do you think has been the most useful?
  - 4 Where in the world do you think they were invented? Why do you think this?
- UNDERSTANDING
  KEY VOCABULARY
  Middle

2 You are going to listen to a museum tour about inventions from the Middle Ages. Before you listen, work with a partner and complete each sentence with the correct form of a noun from the box. Use a dictionary to help you.

contribution device diagram discovery outcome scholar technology weapon

- In the twelfth century, al-Jazari drew \_\_\_\_\_\_ and gave detailed descriptions of machines for farming.
   Certain people who have made a huge \_\_\_\_\_ to science and the arts receive an award called the Nobel Prize.
- 3 Iron is a material that people first used to make \_\_\_\_\_ in the twelfth century BCE.
- 4 The \_\_\_\_\_ of electricity in the eighteenth century changed the organization of human society.
- 5 A baby monitor is a \_\_\_\_\_ which lets parents watch their child when they're in a different room.
- 6 Although we believe our company's new invention will be very popular with customers, it is too early to predict the \_\_\_\_\_
- 7 There are many important \_\_\_\_\_\_ at universities today whose work will have a huge effect on the world as we know it.
- 8 Modern \_\_\_\_\_\_, such as computers and mobile phones, has completely changed our lives over the past 50 years.

3	Work	with	а ра	rtner. M	atch th	ne inventi	ons (	1–4) to the p	ohotos
	(a-d).	Tell	your	partner	when y	you think	they	were invent	ed.

1 the fountain pen \_\_\_\_

3 gunpowder \_\_\_\_\_

2 glasses \_\_\_\_\_

4 the crankshaft \_\_\_\_\_

а









### WHILE LISTENING

4 (1) 6.1 Listen to the museum tour. Number the topics (a–f) in the order they are mentioned.

a \_\_\_\_ A problem that fountain pens solved.

b \_\_\_\_\_ How and when glasses were invented.

 ${f c}$  \_\_\_\_\_ The inventions of a great engineer.

d \_\_\_\_\_ Where these inventions were brought from and to.

e \_\_\_\_ How gunpowder changed the world.

f \_\_\_\_\_ Why the Middle Ages were important in the development of science.

<u>Fountain pen</u>
invented in the year <sup>(1)</sup> in <sup>(2)</sup>
people previously wrote with (3) and they used to get
(4) on their fingers / clothes
first fountain pen used a small container to avoid this problem

# LISTENING FOR MAIN IDEAS



Glasses
invented in <sup>(5)</sup> in the <sup>(6)</sup> century
people held them in front of their eyes or rested them on their noses
al-, lazari
a famous <sup>(7)</sup> from the Middle Ages, lived in <sup>(8)</sup> in
the (9) century
examples of inventions:
• a mechanical clock that needed (10) and (11) to
work
• the crankshaft — a device that keeps machines going in a
(12) (used today in (13))
<u>Gunpowder</u>
invented in <sup>(14)</sup> in the <sup>(15)</sup> century
the inventors were searching for a way that would allow people to
(16)
first instructions for making gunpowder came in the (17) century
gunpowder had a big effect on the methods and outcomes of (18)
0 1

### **POST-LISTENING**

### Understanding references to earlier ideas

To refer to things they talked about earlier, speakers often use words such as *it*, *he*, *she*, *they*, *then* and *there*. This sounds more natural than repeating the same words. In this sentence, the word *it* refers back to the invention of the telephone:

In 1876, Alexander Graham Bell invented the telephone.  $\leftarrow$  It changed the way we communicate.

- 6 Read the sentences. Underline the words which the words in bold refer to.
  - 1 The first fountain pen was made in 953 in Africa. Before **then**, people used bird feathers and ink to write with.
  - 2 As some of you may know, the Middle Ages have often been called the 'Dark Ages'. During this tour, you will find out that **they** were not.
  - 3 Glasses were invented in Italy in the thirteenth century. Nobody knows who invented **them**.
  - 4 The invention of gunpowder has changed the way we fight wars. It changed the outcome of many medieval battles and affected the history of the world.

### PRONUNCIATION FOR LISTENING

### Weak and strong forms

In spoken English, people don't usually stress words which do not carry the main meaning in a sentence, such as a, an, in, the, do, does, to, from, and or of. When these words are unstressed, they are called weak forms.

The unstressed vowel in these weak forms is pronounced /9/ (to = /t9/, the =  $/\eth 9/$ , etc.). However, speakers sometimes stress these types of words to make them the main part of their message. When these words are stressed, they are called *strong forms*.

Andrea is funny and intelligent. (The speaker is stressing that Andrea has both of these qualities.)

7	<	6.2 Listen for the weak forms and complete the sentences.
	1	Inventions technology from India, China, North Africa, Middle East were brought
		Europe.
	2	first glasses were held in front the eyes or
		balanced on nose.
	3	crankshaft is long arm which allows
		machines move straight line.
	4	As we move along, you'll find one most
		important inventions medieval times.
8		6.3 Listen to the extracts. Match the extracts (1–3) to the easons for using strong forms (a–c).
	1	The Middle Ages <b>were</b> an interesting time and they were full of scientific discoveries.
	2	Inventions and machines designed by medieval scholars made a great contribution to society and many are still in use today. <b>And</b> some of these inventions are very common.
	3	Many people think gunpowder is <b>the</b> most important invention in history.
	St	trong forms are used
		to emphasize that there is nothing better or more than this. to contrast with an earlier idea that the Middle Ages were <b>not</b> an interesting time.
	С	to emphasize that there is more information.





### **DISCUSSION**

- **9** Look at the photos of some Chinese inventions. Think about the questions and make notes.
  - 1 How did the inventions make people's lives better?

    The compass made people's lives better by ... After somebody invented paper, people ...
  - 2 Which inventions were very important in the past but are less important now?
    - All of the inventions were important because ...
  - 3 Which invention was the most important in the past? Is it the same now?
    - In the past, I think paper was the most important invention because ...
- **10** Work in a group. Take turns explaining why the invention you chose is the most important.







## **O LANGUAGE DEVELOPMENT**

### USES OF THE VERB MAKE

The verb make has three main meanings: force, cause or produce. Force: My boss made me work late last night.

Cause: Water and weights make the mechanical clocks work.

**Produce**: The first fountain pen was made in 953.

- 1 Work with a partner. Discuss the meaning of make in each sentence. Write C (cause), F (force) or P (produce).
  - 1 Gunpowder was first **made** in China. P
  - 2 My professor **made** me rewrite my assignment because there were too many mistakes. \_\_\_\_\_
  - 3 Social media makes it easy for people to stay in touch. \_\_\_\_
  - 4 The new discovery **made** a lot of people very happy. \_\_\_\_\_
  - 5 I made myself stay up late to finish the work. \_\_\_\_\_

**VOCABULARY** 

2 Work with a partner. Which of the nouns in the box below are used with *make*? Which nouns are not used with *make*? What verb do you use instead?

attempt comparison contribution decision difference experiment improvement investment public research

3	Complete the sentences with the correct form of <i>make</i> and a noun from Exercise 2. Then compare your answers with a partner.
	1 If you between these two TVs, you'll see that this one has a much clearer picture.
	2 I like both of these bikes a lot. I'm finding it hard to about which one to buy.
	3 Medieval scholars to the world by inventing things that allowed societies to grow and become wealthier.
	4 Inventors on many occasions to build flying cars, and they are getting closer to something drivers can buy.
	5 Ten years ago, Andrew in a new technology company. He's now a millionaire.
	6 The invention of the light bulb to people's lifestyles. After it was invented, people could work indoors for longer, even when it was dark.
	7 This is a good smartphone, but they could still to it, like longer battery life.
	8 The government won't who the people are until the police confirm the details.
1	Work with a partner. Match the sentences (1–8) in Exercise 3 to the definitions (a–h) of $make + noun$ .
	a to try b to choose
	<ul> <li>c to make a situation better for people</li> <li>d to consider the similarities between two things</li> </ul>
	<ul> <li>e to change or add to something to make it better</li> <li>f to put money into something to make more money</li> <li>g to share information about something to a wider group of people</li> </ul>
	h to create, give or do something to create more success for something else
5	Write two questions using the correct form of <i>make</i> + a noun from Exercise 2. Then ask your partner.
	Do you think planting trees will make a difference to climate change?

### PASSIVE VERB FORMS

In an active sentence we focus on the person or thing that causes an effect or a result. In a passive sentence the focus is on the person or thing that experiences the effect of an action, or what comes as a result of an action.

Active: Alan Turing invented the digital computer. (focus on the inventor)

Passive: The digital computer was invented in 1936. (focus on the invention)

You can use the passive when you don't know who does an action, when it is not important to give that information, or when it is obvious.

The wooden cannon was invented in the thirteenth century. (It's not known or not important who invented the cannon.)

Maria Ressa and Dmitry Muratov were awarded the Nobel Peace Prize in 2021. (It's obvious that the Nobel Prize organization gave them the award.)

If you want to make it clear who did something, use by at the end of a passive sentence.

The digital computer was invented in 1936 by Alan Turing.

To form the passive, use be + past participle. (Remember: the passive can be used in all tenses, and with regular and irregular past participles).

All students are invited to attend a talk by one of the country's most successful inventors.

Many museum members complained they were not told about the new science exhibition.

- **6** Work in a group. Time yourselves to see who is quickest to find the correct number of passive verb forms in these extracts from Listening 1.
  - 1 The Middle Ages were an interesting time, and they were full of scientific discoveries. During this time, inventions and technology from India, China, North Africa and the Middle East were brought to Europe.
  - 2 And some of these inventions are very common. For example, the first fountain pen was made in 953 in Africa.
  - 3 Glasses were invented in Italy in the thirteenth century. No one knows who invented them. The first glasses were held in front of the eyes or balanced on the nose. They were developed to help people with bad vision to read.
  - 4 His most important invention was the crankshaft. The crankshaft is a long arm which allows machines to move in a straight line. It was first used for watering gardens.
- **7** Compare your answers with a partner and check that you have both underlined the correct verbs.

- 8 Find and correct the verb errors in the sentences (one sentence does not have an error). Then compare your answers with a partner.
  - 1 The first smartphone, named Simon, were created by IBM.
  - 2 The first newspaper was print in 1605 in Germany.
  - 3 The first computer program was wrote by Ada Lovelace.
  - 4 Hearing aids were developed to help people hear better.
- **9** Work with a partner. Write each sentence in the passive form.
  - 1 Apple's first tablet computer develop the 1990s Apple's first tablet computer was developed in the 1990s.
  - 2 the law of gravity discover Isaac Newton the seventeenth century
  - 3 the first computer chip invent the 1950s
  - 4 the first smartphone create after 1997
  - 5 penicillin first discover 1928 Alexander Fleming
- 10 Work with a partner. Take turns reading the sets of words (1–8). Your partner says a complete sentence with the verb in the correct active or passive form.

Student A: paper discover ancient China

**Student B:** Paper was discovered in ancient China.

- 1 first email send 1971
- 2 telephone invent 1876
- 3 Edison develop first light bulb 1879
- 4 720,000 hours video share social media every day
- 5 Egyptian architect called Imhotep design pyramid of Djoser
- 6 very early calculator **create** Blaise Pascal
- 7 millions people **download** smartphone apps every hour
- 8 letters write fountain pens many years now.
- 11 Work with a partner. What do you know about the inventions mentioned in Exercises 8, 9 and 10?

### **LISTENING 2**

### PREPARING TO LISTEN

# PREDICTING CONTENT USING CONTEXT

1 Read the introduction to a lecture about an invention. Answer the questions.

1	Can you guess the name of the invention?		
2	What two words are used to refer to it?	and $\_$	

In today's lecture, I want to discuss an invention which has changed our lives. This product has made a huge difference in the way we work, travel, communicate and socialize with friends. Can you guess what it is?

I'm talking here about mobile phone The word comes from Traditionally, were used in computers to help them perform better. However, with the invention of smartphones, the word is used to refer to phone In this lecture, we'll start by discussing the very first and their development. We will then discuss how have changed our lives. Finally, we'll focus on some of the most popular used by people today.



UNDERSTANDING KEY VOCABULARY

2		6.4	Listen to	the ir	ntroduction.	Check your	answers to	Exercise	1
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3	Work with a partner. Circle the best word to complete each
	sentence. Then write the words next to the correct definitions (a-g)
	on page 137.

1	I need a password to _	the Wi-Fi co	onnection in this café.
	a access	<b>b</b> connect	c enter
2	After you download th	e app, it or	n your smartphone.
	a produce	<b>b</b> install	<b>c</b> add
3	This software lets you .		
	great ideas I'd like to t	ry to design.	
	a create	<b>b</b> start	c form
4	In a recent study, 45%	of American smartpho	ne said
	they would rather give	up their holidays than	their phones.
	a keepers	<b>b</b> holders	c users
5	I always read	reviews before I buy	an expensive item.
	a goods	<b>b</b> equipment	<b>c</b> product
6	IT (information technolo	ogy) is an extremely fast	-growing
	a industry	<b>b</b> custom	<b>c</b> trade
7	Smartphones		with each other.
	a mean	h allow	c let

a the people and activities involved in one type of business \_\_\_\_\_\_
b somebody who uses a product, machine or service \_\_\_\_\_\_
c the right or opportunity to use something \_\_\_\_\_
d something that is made to be sold \_\_\_\_\_
e to make something new, or invent something \_\_\_\_\_
f to make it possible for something to happen \_\_\_\_\_
g to put a program onto a computer so you can use it \_\_\_\_\_

### WHILE LISTENING

- 4 Discuss the questions below in a small group.
  - 1 How have smartphones and tablets changed our lives?
  - 2 What would your everyday life be like without your smartphone?
- 5 Work with a partner. Read the text and answer the guestions.

It's hard to imagine life before smartphone apps! But let's try anyway. Imagine for a moment that you're taking a road trip in the days before smartphones were invented.

- 1 How can you find information about the place that you want to visit?
  - 2 Which forms of entertainment could you use in the car while you drive?
- 3 How will you find your way to your destination? What will you do if you get lost?
- 4 Where are the address and phone numbers of the hotels where you want to stay?
- 6 6.5 Listen to the lecture. Are your answers to the questions in Exercise 5 similar to the speaker's? Check your notes and add ideas.
- **7** Work in groups of three students, A, B and C. Your teacher is going to give a text to each student in the group. Read your text and underline the key information in it. Then make notes about it.
- **8** Work in your group from Exercise 7. Use your notes to tell each other about the key information in your text.
- 9 Work in your groups again. Use your notes to underline eight mistakes in the notes. Write the correct words or numbers in gaps 1–8 on page 138.

USING YOUR
KNOWLEDGE

# LISTENING FOR MAIN IDEAS



TAKING NOTES:
JIGSAW READING

first apps used for:	second generation apps:	another effect of apps:	negative effects of apps:
- accessing the	- first app store opened in 2009	- there is a need for	- people are more
internet	- by 2011, 20 billion downloads —	skilled IT specialists	stressed
- check voicemail	people used apps more than	,	- people are less
- send photos	internet browsers		tolerant
,	- by 2018, 180 billion downloads		

# LISTENING FOR DETAIL

10 (a) 6.5 Listen to the lecture again. Check your answers to Exercise 9.

### **POST-LISTENING**

# Understanding lecture organization

Lecturers often use special phrases to help the audience follow the lecture. In the introduction, they explain what they'll talk about and in what order.

First, we'll discuss ... I'd like to start by talking about ...

They also use special expressions to show transitions from one topic to another. Next, I will discuss ... Now I'd like to talk about ...

Transition phrases like these are very common in academic contexts. Lecturers use them to help you understand the material and to take better notes while you are listening. They are also useful for organizing presentations.

- 11 Read the extracts from the lecture. Underline the expressions the lecturer uses to say what will happen next.
  - 1 We'll start by discussing the very first apps and their development.
  - 2 We will then discuss how apps have changed our lives.
  - 3 I'd like to start by talking a little bit about the first apps.
  - 4 I'm going to briefly talk about how these apps have changed our lives.
  - 5 Now I'd like to mention another important effect of the invention of apps.
  - 6 In the next part of the lecture, I'll discuss some of the most common apps in more detail.

### **DISCUSSION**

#### **SYNTHESIZING**

- **12** Think of an app that you use very often. Then work with a partner to answer the questions below.
  - 1 What is the app designed to do?
  - 2 What do you use it for?
  - 3 What are the advantages and disadvantages of the app?
  - 4 Who would you recommend it to?
- 13 Write a review of the app you discussed in Exercise 12. Use the language from Exercise 11 and the Skills box. Start by saying what the app is called. Write between 150–180 words.

An app which I use a lot is called ... This app is designed for ...

# **SPEAKING**

### **CRITICAL THINKING**

At the end of this unit, you will do the speaking task below.

Give a presentation about an invention or a discovery which has changed our lives.

### Summarizing information using Wh-questions

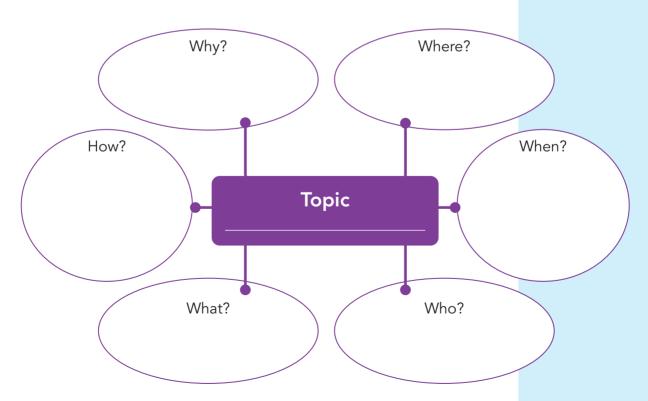
When you do research on a topic, try asking yourself the following questions: Who? What? When? Where? Why? Many researchers add How? to this list. Then search for the answers to these questions. To organize your research, it is helpful to make an ideas map like the one in Exercise 1. This is a quick and easy way to focus on the key details of a topic.

1 Choose one of the inventions from Listening 1 or one of the apps from Listening 2. Write this in the Topic box below. Complete the ideas map for the invention or app. Use information from your notes on page 130 or 137. Try answering some of these questions:





- 1 When was the last time you used this thing?
- 2 What are its uses?
- 3 What would life be like without it?
- 4 How has it affected our lives?

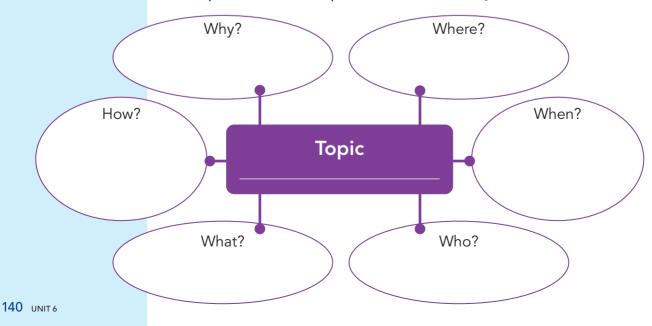


**APPLY** 

- **2** Work with a partner. Share your ideas map. Make suggestions about information which your partner could add.
- **3** Choose an invention to talk about in the speaking task. You can talk about one of the inventions in the photos below or use your own idea.



4 Complete an ideas map about the invention you chose.



5 Work with a partner. Share your ideas map. Make suggestions about information which your partner could add.

### PREPARATION FOR SPEAKING

### PREVIEWING A TOPIC

In the introduction to a presentation, give a preview of what you will talk about. This helps your audience follow your talk. Here are some examples of language you can use to preview a topic:

I'd like to begin my talk by looking at ...

After that, I'm going to explain ...

Then, I'll discuss ...

Finally, I'll explore ...

1 🚺 6.6 Listen to an introduction to a presentation which previews what the speaker will talk about. Circle the things that the speaker does.



- 1 mentions the invention's name in the first sentence
- 2 gives a description of the invention
- 3 says how you can use it
- 4 gives specific details of how it was invented
- 5 explains what will happen next in the presentation
- 2 Work with a partner. Practise giving an introduction about a simple invention. Use the preview below to organize your ideas.

Student A: give an introduction to a presentation about the paperclip.

Student B: give an introduction to a presentation about the ballpoint pen.

I would like to present an invention which has changed the way we It's a simple invention and we have all used it.
It's the
A is
(explain the invention here)
You can
(explain how it is used in general)
First, I am going to talk about Then, I will explain how it has
improved our lives.

### **ORGANIZING IDEAS**

Before you write a presentation outline, decide in what order you will present your ideas. First, brainstorm some ideas and write them down. Then put them in order to create the framework for your outline. This will help you make sure that your ideas are in a logical order when you start writing. For example, it is logical to tell your listeners background information before you tell them why something is useful. You can use *Wh*- questions to organize your presentation.

- 3 Read the next part of the presentation. Number the questions (a–g) in the order they are answered in the presentation. Then compare your answers with a partner.
  - a Why do people use them? \_\_\_\_\_
  - b Who invented them? \_\_\_\_\_
  - c Where can people use them? \_\_\_\_\_
  - d Why were they invented? \_\_\_\_\_
  - e When were they invented? \_\_\_1\_\_
  - f What is the best thing about the invention? \_\_\_\_\_
  - g When were they first sold? \_\_\_\_\_

To start with, Post-it® notes were invented in 1974 by Art Fry. Fry needed a bookmark which would stay inside the book and didn't fall out. He used a special type of glue invented by his colleague Spencer Silver. The glue was not very strong and made it easy to remove the notes. In 1977, the first Post-it® notes were sold in shops. Since then, they have become a global phenomenon. People all over the word recognize the small, yellow sticky notes. We use them at work, at school and at home.

Because the glue does not leave any stains, people can stick Post-it® notes to anything. They allow us to remember important information and take notes. The best thing is that you can stick a Post-it® note anywhere to help you remember something.



### **EXPLAINING HOW SOMETHING IS USED**

We can use the words and expressions in bold to talk about how something is used. Without the crankshaft, car engines wouldn't work. (without + noun) Post-it® notes help people to remember things. (help + noun/pronoun + to + infinitive) The light bulb allows us to see at night. (allow + noun/pronoun + to + infinitive)The microwave makes it possible to cook food quickly. (make + it + adjective) Social media is useful for communicating with friends. (useful + for + gerund)

**4** Complete the sentences with phrases from the box.

	allows us	are useful for	helps people to	makes it	without	
1	GPS places.		to find our way	around un	known	
2	The mobi	le phone	S	tay in touc	h.	
3	Translatio	n apps	lear	rning anoth	ner	
	language					
4	Television	l	easy to lea	arn about t	the world.	
5		t	he computer chip, v	we wouldn	't be able to	
	use laptor	os.	·			
У	our choice	. Use phrases	our sentences abou from Exercise 4. Do in the Critical Think	not use t	he same	
_						

6 Work with a partner. Take turns saying your sentences. Do not say the name of your invention - instead, say 'this invention'. Your partner should try to guess what is being described.

> This invention allows us to work or study at home more easily.

Is it a smartphone?

No. I'll give you another clue. Without this invention, we would have to sit in one place to work or study ...

# **SPEAKING TASK**

Give a presentation about an invention or a discovery which has changed our lives.

### **PREPARE**

1	Look at the ideas map you created in Exercise 4 in the Critical
	thinking section. Add any new information. Decide in what order
	you will answer the Wh- questions and write them below.

)	
3	
ļ.	

2 Make notes about the language you will use. Use language like this:

To preview your topic	To explain how something is used
I'd like to start by talking about	helps people to
Then, I'll discuss	Without,
Finally, I'll explore	makes it to
Passive verbs	References to earlier ideas
The Post-it® note was invented in	After it was invented

3 Refer to the Task checklist below as you prepare your presentation.

TASK CHECKLIST	<b>V</b>
Use phrases with <i>make</i> correctly.	
Clearly preview a topic and explain how something is used.	
Logically organize your ideas and make references to earlier ideas with words such as <i>this</i> , <i>it</i> , etc.	
Use passive verbs correctly and appropriately.	

### **PRACTISE**

**4** Work with a partner. Take turns practising your presentation.

### **PRESENT**

5 Work in small groups. Take turns giving your presentations. Discuss which one of your inventions or discoveries has had the biggest influence.

The laptop computer has had a huge effect on our lives, because is has allowed us to ...

### **OBJECTIVES REVIEW**

1 Check your learning objectives for this unit. Write 3, 2 or 1 for each objective.

3 = very well 2 = well 1 = not so well

#### I can ...

watch and understand a video about research scientists.

understand references to earlier ideas.

understand lecture organization.

summarize information using Wh- questions.

use passive verb forms.

preview a topic.

organize ideas. \_\_\_\_\_

explain how something is used.

give a presentation about an invention or a discovery which has changed our lives.

**2** Use the *Unlock* Digital Workbook for more practice with this unit's learning objectives.

### **WORDLIST**

access (v) 🧿

allow (v) **@** 

app (n)

contribution (n)  $\boldsymbol{\mathcal{O}}$ 

create (v) 🧿

device (n) 🧿

diagram (n) 🧿

discovery (n) O

industry (n) 🧿

install (v)

make a comparison (v phr)

make a contribution (v phr)

make a decision

(v phr)
make a difference
(v phr)

make an investment (v phr)

make attempts (v phr) make improvements

(v phr)

make public (v phr)

outcome (n) 🕖

product (n) 🧿

scholar (n) 🧿

technology (n) 🧿

user (n) 🧿

weapon (n) 🧿

• high-frequency words in the Cambridge Academic Corpus