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# WATCH AND LISTEN









**ACTIVATING YOUR KNOWLEDGE** 

#### PREPARING TO WATCH

- 1 You are going to watch a video about bicycle design. Before you watch, circle the statements you think are true about cycling in your country. Explain your answers to a partner.
  - 1 Cycling is more popular today than it used to be.
  - 2 Cycling is a fashionable way to travel.
  - 3 Cycling is the best way to get around a city.
  - 4 People care what their bicycles look like.
  - 5 There are too many different bicycle designs to choose from.
- **2** Look at the diagram and discuss the question with your partner.

How could a designer make each part of a bicycle special or luxurious?





#### **GLOSSARY**

fashion statement (n) something that you own or wear in order to attract attention and show other people the type of person you are

classic (adj) having a simple, traditional style that is always fashionable

gap in the market (n) an opportunity for a product or service that does not already exist personalize (v) to make something suitable for a particular person

accessory (n) something added to a machine or to clothing that has a useful or decorative purpose

status (n) the amount of respect, admiration, or importance given to a person, organization, or object



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WHILE WATCHING			
3	_	Watch the video. Number the main ideas in the order you hear them.  A Japanese designer has started making luxury bicycles instead of boats.  Hermès have launched two designer bicycles.  Hermès' designer bikes are extremely popular.  People are using bicycles to show how much money they have.  Shops in Paris sell a variety of expensive cycling products.	
4	C	Watch again. Complete the sentences.	
	1 Hermès started making designer bicycles because there was a		
	2	The Japanese artisan thinks it is the first time that the whole world	
	Paris shops are increasing their sales by		
	4	These days bicycles are becoming a showcase for	
5	C	Watch again. Answer the questions.	
	1	What are the special features of Hermès' 'Le Flâneur Sportif'?	
	2	How much does Hermès' 'Le Flâneur Sportif' cost?	
	3	How much do some designer bikes cost in Tokyo?	
	4	What material does the Japanese artisan make bicycles from?	
	5	What examples are given of cycling accessories sold in Paris?	

#### **DISCUSSION**

- **6** Work in a small group. Discuss the questions.
  - 1 What kind of people do you think buy the designer bicycles you saw in the video? Why?
  - 2 What other kinds of cycling accessories do you think that cycling shops sell? How might they be made luxurious or personalized?
  - 3 Do you think that the bicycles you saw in the video would sell well where you live? Why / Why not?
  - **4** Think of another type of product that people use to show off their wealth. What are the features of an expensive model of this type of product?
  - 5 Are status symbols important to you? If so, which one(s) would you like to have? Why? If not, why not?

WATCH AND LISTEN

**UNDERSTANDING** 

**UNDERSTANDING** 

**DETAIL** 

MAIN IDEAS



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# **LISTENING**

# LISTENING 1

## PREPARING TO LISTEN

USING YOUR KNOWLEDGE

1 You are going to listen to a presentation on current and future uses for 3-D printing. Before you listen, work with a partner. Discuss which of the items in the photos you think were produced by a 3-D printer. Then discuss the questions below.







- 1 All these items were made with a 3-D printer. Does that surprise you? Why / Why not?
- 2 What kind of objects cannot be created with a 3-D printer today?
- **2** Read the definitions. Use the correct forms of the words in bold to complete the sentences below.

UNDERSTANDING KEY VOCABULARY

**customize** (v) to make or change something to fit a user's needs **downside** (n) disadvantage

drastically (adv) severely; with very noticeable effect

fabric (n) cloth; material for making clothing

foundation (n) the thing on which other things are based

junk (n) things of no use or value

**mass production** (n) the process of producing large numbers of one thing in a factory

**rejection** (n) the failure of the body to accept a new body part that has been put in during surgery

- 1 When computers go out of date, they become \_\_\_\_\_ that has to be thrown away.
- 2 You can \_\_\_\_\_ the software so that it only includes the functions that you need.
- 3 Early 3-D fashions used a flexible plastic instead of the \_\_\_\_\_you find most clothing is made of.
- 4 With a 3-D printer, I can print just about everything. The \_\_\_\_\_\_, however, is that it is much more expensive than a traditional printer.

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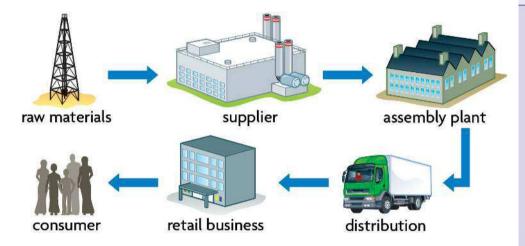


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- 5 The maths skills that you acquire in secondary school provide a \_\_\_\_\_ for the more advanced work you do at university.
- 6 Kidney transplants have a very high success rate these days; the chances of \_\_\_\_\_\_ during the first year are only seven percent.
- 7 The market for compact disc players dropped \_\_\_\_\_\_ in the early years of the 21st century, as the public switched to MP3 players, and later to streaming.
- 8 The \_\_\_\_\_\_ of cars began in the early twentieth century. Prior to that, cars had been produced to order.
- **3** Work with a partner. Look at the diagram of a supply chain. Discuss what happens at each stage.

USING YOUR KNOWLEDGE



#### WHILE LISTENING

- 4 ② 2.1 Listen to the presentation. Circle the best summary of each main idea in the presentation.
  - 1 a Replacement body parts are routinely printed.
    - **b** Methods of printing replacement body parts are in development.
  - 2 a Fashion designers are using 3-D printing in their collections.
    - **b** 3-D printing is widely used in the production of fashion items.
  - 3 a Mass production will be more profitable with 3-D printing.
    - **b** Manufacturing small quantities could be profitable with 3-D printing.
  - 4 a 3-D printing will totally change the manufacturing process.
    - **b** 3-D printing will benefit everybody who works in manufacturing.
  - 5 a We do not know if 3-D printing will increase or decrease waste.
    - **b** 3-D printing will reduce the amount we throw away.

LISTENING FOR

MAIN IDEAS

LISTENING 1 4



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# Using a table to take notes on main ideas and detail

When a speaker makes the structure of upcoming information clear, it can be helpful to use the same structure as you take notes. Using a table to capture this structure helps you separate the main ideas from the detail. This makes it easier to review and study your notes later. Listen for signposts like numbers (e.g. *There are two ...* .), and phrases that indicate that a main idea is coming (e.g. *the most important ...* .). Don't try to write down everything you hear. You want your table to provide an outline of the talk, not everything the speaker said.

## TAKING NOTES ON MAIN IDEAS AND DETAIL

5 4) 2.2 Listen to an excerpt from the presentation and complete the table.

AM (Additive Manufacturing) dis	rupts two elements of manufacturing:
(1)	(2)
parts made as a single piece	won't need (5)
(3)	or <sup>(6)</sup>
stronger	fabricated on demand
(4)	reduce (7)
reduced fuel consumption =	short supply chains
cost savings	

# LISTENING FOR DETAIL

5	② 2.1 Listen to the presentation again. Write $T$ (true), $F$ (false)
	or DNS (does not say) next to the statements. Then correct the
	falso statements

raise sta	tements.
1	3-D printing is a very new technology.
2	3-D printing can create body tissue which is a perfect match for the patient.
3	Clothing is printed using natural fibres, like cotton.
4	Most 3-D fashions will probably be printed in developing countries.
5	There has been a lot of opposition to 3-D printing from manufacturers.
6	One man printed several parts of an aeroplane and assembled

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them himself.



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	3-D printing will reduce the need for companies to hold items in stock.
8	3-D printing may help criminals to escape from prison.

7 🜒 2.1 Listen again. Take more detailed notes on the presentation.

#### **POST-LISTENING**

# Reviewing and organizing your notes

After a lecture, while the information is still fresh in your mind, rewrite your notes in an outline structure. This helps you understand the main ideas and details of the lecture. Doing this can also help you reflect critically on the content of the lecture, which is difficult to do while you are listening.

8 ② 2.1 Use your answers from Exercises 4–7 to make a set of notes. Start by listing the main ideas (1, 2, 3, etc.) and supporting details for each main idea (a, b, c, etc.). Leave space to add more details. Listen to the presentation again. Check that your notes are accurate and add more detail if necessary.

1. Methods of printing replacement body parts are in development.
a. can create body tissue
b
2.
a.
b.
3.

**9** Work with a partner. Complete the tasks.

- 1 Use your notes from Exercise 8 to recap the talk on 3-D printing. Include only the main points and important details. Present it aloud to your partner.
- 2 As you listen to your partner's presentation, write down any important details that your partner included that you missed. Add them to your notes.
- 3 Whose recap do you think was more accurate and complete? Does the order of main points make a difference? Were the details presented with the relevant main points?

LISTENING 1



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#### PRONUNCIATION FOR LISTENING

#### **Word stress**

In words with more than one syllable, one syllable is stressed more than the others. A stressed syllable is generally longer, louder, and higher in pitch than an unstressed syllable.

down-side (n) ad-vance (v) con-sum-er (n)

Although stress is sometimes difficult to predict, there are some rules. For example, always stress the syllable that comes directly before these suffixes: -ical, -ion, -ity, -logy.

tech-no-log-i-cal cog-ni-tion poss-i-bil-i-ty tech-no-lo-gy

10 Underline the stressed syllables in the words below.

1	a	tech-no-lo-gy	<b>b</b> pro-cess	<b>c</b> ob-ject (n)
2	a	com-pu-ter	<b>b</b> soft-ware	<b>c</b> sce-nar-i-os
3	a	dra-ma-tic	<b>b</b> bi-o-med-i-cal	<b>c</b> re-search (n)
4	a	at-tracts	<b>b</b> pos-si-bil-i-ty	<b>c</b> cus-tom-iz-ing
5	a	pro-duc-tion	<b>b</b> fa-cil-i-ties	<b>c</b> in-dus-try
6	a	el-e-ments	<b>b</b> foun-da-tion	c man-u-fac-tur-ing
7	a	en-tre-pre-neur	<b>b</b> fac-to-ries	<b>c</b> as-sem-bled

11 ② 2.3 Listen to the excerpts from the talk to check your answers in Exercise 10.

#### **DISCUSSION**

- 12 Work with a partner. Discuss the questions.
  - 1 The speaker mentions the disruptive power of AM several times. What do you think the long-term consequences might be for the clothing industry? For example, what would happen if all clothing could be printed at home?
  - 2 Use your imagination to think of an application for 3-D printing that was not discussed by the speaker. Share your ideas with another pair of students or the class.



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# **O** LANGUAGE DEVELOPMENT

#### **USING CAUSE-AND-EFFECT PHRASES**

#### To express a cause using a phrase

What's more, by printing it as one piece, he created a part that was five times stronger than the original part and 83% lighter. What's more, he created a part that was five times stronger than the original part and 83% lighter by printing it as one piece.

Notice that, although the subject is not expressed in the cause-and-effect phrase, you can infer it. Such phrases can only be used if the inferred subject is the same as the subject of the whole sentence – in this case, *he printed it as one piece*.

#### To express an effect using a phrase

The blouses appear on shelves the following week, encouraging the trend.

This is a reduction of a non-defining relative 'comment' clause:

The blouses appear on shelves the following week, which encourages the trend.

	C	omplete the sentences with a phrase that explains the cause.	
	1	, manufacturers ensure that consumers buy	
		new items on a regular basis.	
	2, clothing companies encourage people to bu		
new clothes more often.			
	3	, the team completed the project just before	
		the deadline.	
	4	, they were able to find a better design for	
	_	the product.	
	5	, manufacturers can print small quantities and	
		keep costs low.	
2			
4	Re	ewrite each non-defining relative clause as a phrase expressing the effect.	
_			
_		Clothing can be made very cheaply today, which makes it	
_			
_	1	Clothing can be made very cheaply today, which makes it psychologically easier to throw things away.	
_	1	Clothing can be made very cheaply today, which makes it	
	1	Clothing can be made very cheaply today, which makes it psychologically easier to throw things away.  AM makes it easier to complete all production steps in one place, which	
2	2	Clothing can be made very cheaply today, which makes it psychologically easier to throw things away.  AM makes it easier to complete all production steps in one place, which leaves assembly plants in developing countries out of the process.  AM even has the potential to be used to print human organs, which	
2	2	Clothing can be made very cheaply today, which makes it psychologically easier to throw things away.  AM makes it easier to complete all production steps in one place, which leaves assembly plants in developing countries out of the process.	



LANGUAGE DEVELOPMENT



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3		omplete the sentences with a phrase that expresses an effect. Use your vn ideas.
	1	Clothing companies respond immediately to consumer preferences,
	2	Thousands of people throw away their mobile phones every year,
	3	Many resourceful consumers have made their own repairs independently,
	4	The cost of consumer electronics has dropped significantly,
4		rite three sentences using phrases for cause and/or effect about a ruation in your own life. The sentences can be on any topic.
	_	working on my essay last weekend, I was able to hand it in time.
	_	

## **DEGREE EXPRESSIONS**

Sometimes you need to measure the amount or degree of something against a standard. When the amount or degree does not match the standard, use the adverb *too +* an adjective or adverb for the degree and the *to +* infinitive form of the verb for the standard.

The cost of printing is too high to make this practical.

degree standard

When the amount or degree does match the standard, use an adjective, adverb, or verb + *enough* for the degree and the *to* + infinitive form of the verb for the standard.

The costs have fallen enough to make these scenarios more than a dream. degree standard

5	Complete the degree expressions in the sentences with your own ideas.
	1 My phone is too old
	2 Some consumer electronics are cheap enough
	3to be used with the latest software.
	4are not comfortable enough to wear all day long.
	5 Some video games are too complicated



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