ENGLISH

Chapter 13 Week 13

SECONDARY

2nd



A BETTER PLACE



HELICOMOTIVATION





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How can we improve our environment?

Rooms and furniture

1 Look at the plan of a house. Complete the words with vowels to make rooms.

- 1 B<u>A</u>THR <u>O</u> <u>O</u> M
- 4 HALL

7 OFFICE

- 2 BEDROOM
- **5** KITCHEN

8 STAIRS

3 GARAGE

6 LIVING ROOM

9 YARD

Vocabulary: rooms and furniture; your environment

Grammar: will for predictions; might; first and zero conditional

Reading: a newspaper report about 3D home printing

Listening: a podcast about environment campaigners

Speaking: making decisions

Writing: an advertisement

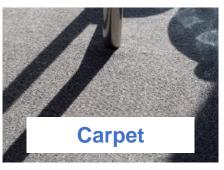
Project: conduct a green audit of your school and make proposals for change

armchair basin bookshelf carpet closet couch cupboard curtains fridge oven sink trash can washing machine

















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3 Complete the list in exercise 2 with the room in which you would find the items of furniture.

bookshelf – A – office, living room, bedroom

Furniture	Room
Armchair	Living room
Basin	Bathroom
Bookshelf	Office, living room, bedroom
Carpet	Living room, bedroom, hall, stair
Closet	Bedroom
Couch	Living room
Cupboard	Kitchen, office, garage

Furniture	Room
Curtains	Bedroom, living room
Fridge	Kitchen
Oven	Kitchen
Sink	Kitchen
Trash can	Kitchen, office, bathroom, bedroom
Washing machine	Kitchen

4 Work in pairs. Categorize the vocabulary in a different way.

Categorizing vocabulary

Categorizing is a good way to study vocabulary. As well as categorizing the words by room, try categorizing by use (e.g. things you can sit on), color (e.g. things which are white) or qualities (e.g. things with doors).

What about things with doors?

OK, oven, closet, fridge ...

Complete the sentences with a room or an item of furniture.

The **1** sink is under the window in the **2** kitchen, so I can see the yard while I'm doing the dishes.

I often wake up early because the 3 <u>curtains</u> in my 4 <u>bedroom</u> are very thin and it gets very light.

My favorite place to read is sitting in the big **5** <u>armchair</u> next to the couch in the **6** <u>living room</u> or lying on the **7** <u>carpet</u> on the floor.

My mom's a translator and she works from home. She has an **8** office with a desk for her computer. There's a **9** trash can for trash under the desk and a **10** bookshelf for all her dictionaries.

Work in pairs. Draw a plan of your home, with furniture and other items. Then describe two of the rooms to your partner.

My bathroom isn't very big. There's a shower, toilet and a small trash can, and it has a basin with a mirror where we wash, comb our hair and brush our teeth.

- Work in pairs. Watch the video and answer the questions.
 - 1 Why is the video called 'The nomadic life'?

 Because it's about a nomadic group of people,the Evenki.
 - 2 What kind of video is this? A mini-documentary.
 - What do you think the message
 There are still nomadic people like the Evenki in
 Europe and their lifestyle is very different from that
 of most other people in Europe.
 - 4 Who would you recommend this People who are interested in travel, geography, sociology, anthropology and traditional lifestyles.

Print your own home

Building a house is often a very long and expensive job. But this might change in the next few years. The reason? 3D printing.

1 _

A merican engineer Chuck Hull introduced 3D printing in 1986. Now we can build many different things using 3D technology, including bridges and buildings.

It's quick: in Russia they built one house in just 24 hours. This means it's a very good way to build houses to help people in an emergency situation.

It's more environmentally friendly: you can make 3D houses from **recycled** materials.

It's cheap: Chinese company Winsun says 3D houses use 60% fewer materials and 70% less time than traditional buildings.

It's strong: 3D houses are better in a strong wind than many normal houses.

3 _

In the Netherlands, the **architects** at Van Wijnen are working on what they say are the first 3D printed houses that people will actually be able to live in.

The houses will have unusual **shapes**. The first house will be on one **floor**: it won't have any stairs. The other houses will be bigger, with more floors and several bedrooms. If everything goes to plan, people will move into the houses next year. Many people think this will completely change the way we build houses.

4 _

In the future, people will be able to design their own personalized homes much more cheaply. And some organizations, like charity New Story, think 3D printing might help with housing problems in **the developing world** But 3D technology could also be important in space. The European Space Agency is working on a 3D-printed **space station** and NASA is planning to use 3D technology to build on Mars.

- 3 Four headings are missing from the text. Match questions a—e with paragraphs 1–4. There is one question you don't need.
 - a What's happening in the Netherlands? 3
 - **b** How will 3D printing change things in the future? 4
 - c What problems are there with 3D printing?-
 - d How did 3D printing start? 1
 - e What are the advantages of building with 3D 2 printing?

Phrases with the same meaning as sentences 1–7.

- 2 Chuck Hull invented 3D printing more than 30 Chuck Hull introduced 3D printing in 1986. years ago.
- 3 Russian experts took one day to build a house. In Russia they built one house in just 24 hours.
- 4 3D houses don't take as long to make. 3D houses use 70% less time than traditional buildings.
 - 5 Many normal houses aren't as good in bad weather.

 3D houses are better in a strong wind than many normal houses.
- 6 The houses in the Netherlands will probably be ready next year.

 If everything goes to plan, people will move into the houses next year.
- 7 A 3D space station could open in the future.
 The European Space Agency is working on a 3D-printed space station.

7 Complete the sentences with words from exercise 6. Change the form if necessary.

- 1 The <u>architect</u> Frank Gehry designed the Guggenheim Museum in Bilbao, Spain. He also designed a hat for Lady Gaga.
- We can use <u>recycled</u> plastic bottles to make T-shirts, sweaters and carpets.
- **3** A **shape** with 16 sides is called a hexakaidecagon.
- 4 With a population of 28 million, Jabodetabek in Indonesia is one of the biggest cities in the developing world.
- **5** The Burj Khalifa is one of the tallest buildings in the world. It has over 160 __floors_ .
- 6 The International <u>Space</u> travels at 27,724 km per hour. Station

HOMEWORK

6 Word work Match the definitions to the words in bold in the text.

- 1 a level in a building _____
- 2 used again, often to make something different
- 3 people who design houses and buildings
- 4 place where astronauts work _____
- **5** countries where people have less money and fewer public services _____
- 6 the physical forms of things

shapes

THANK YOU