5.5 Listening and Vocabulary

A record-breaking adventure

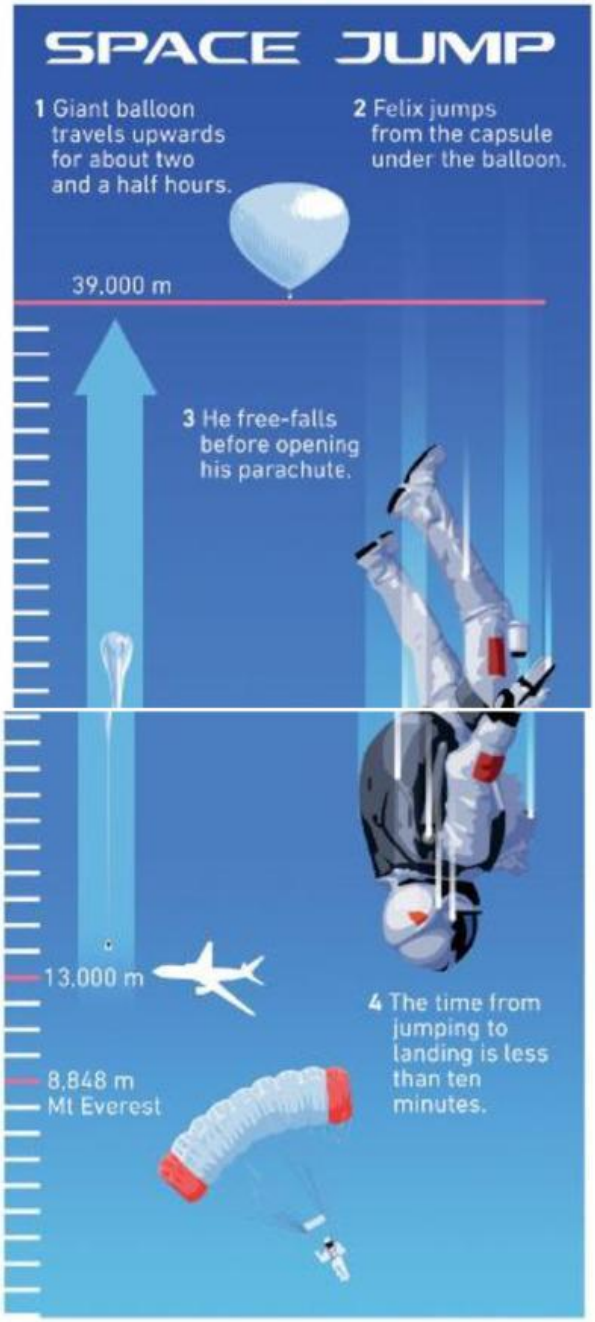
1 Would you jump out of a plane or a hot air balloon using a parachute? Why?/Why not?

2 5.13 Study the Vocabulary box and check you understand the words.

VOCABULARY Space science

balloon capsule engine force helium oxygen parachute sound barrier

3 Look at the pictures in the infographic. Which words from the Vocabulary box can you see?



4 Choose the correct option.

1 Humans need *oxygen / helium* to breathe.
2 The *Concorde* was a jet plane which broke the *engine / sound* barrier.
3 The *capsule / force* which attracts objects towards the Earth is gravity.
4 *Oxygen / Helium* is a very light gas which is used in balloons.
5 A jet *engine / balloon* is very powerful.
6 If you jump out of a plane, you need a *balloon / parachute*.

5 Read the infographic in Exercise 3. What do you think happened? Why?

6 5.14 Listen to the first part of a report about Felix Baumgartner and check your ideas from Exercise 5. Then summarise what happened. Use these prompts to help you.

1 First, Felix put on …
2 Then he got into …
3 The balloon took him …
4 When he reached the right height, …
5 Finally, he opened …

7 5.15 Listen to the second part of the report and complete the notes.

Name:	Felix Baumgartner
Date of jump:	14 October 2012
Location:	2 _____, USA
Nationality:	3 _____
Age:	42
Height of jump:	about 4 _____ kilometres
Speed:	5 _____ kilometres per hour
Time in free fall:	6 _____ minutes and _____ seconds
Cost:	7 _____ of US dollars

8 What is your opinion of Felix's achievement?

YOUR WORLD

9 In pairs, talk about what you would do and how you would feel if:

1 you had to climb ten metres up a climbing wall to win a big prize.
2 you won a bungee jump as a prize in a school lottery.
3 your friend invited you to fly in a hot air balloon.

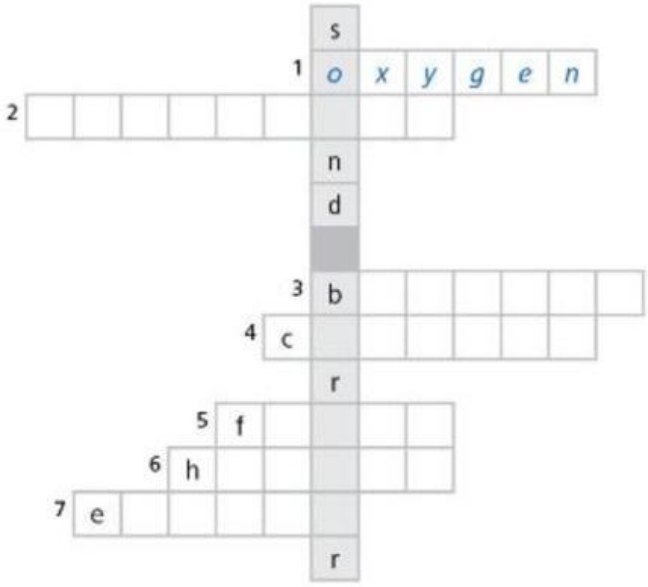
If I had to climb ten metres up a climbing wall, …

LIVEWORKSHEETS

5.5 Listening and Vocabulary

Space debris

1 Read the sentences and write the words in the crossword. What is the hidden word?



1 We need this gas to breathe.
2 This large piece of material fills with air and helps the wearer fall slowly to the ground.
3 A large bag filled with gas or air so that it can float in the air.
4 The part of a spacecraft which contains the astronauts.
5 Physical power which moves something.
6 A gas which is lighter than air and is often used to make things float.
7 A machine which produces power to make a vehicle move.

The hidden word is: _____.

2 Complete the words in the sentences.

1 After jumping from the plane, Sam opened his pa r a c h u t e and soon landed safely on the ground.
2 The f_____e astronauts feel when they take off from Earth is very powerful.
3 The astronauts all felt nervous as the c__s____ left the rest of the spacecraft.
4 We need o__g__ to breathe.
5 The car has a very powerful __n__i__ and can go from 0 to 100 kilometres per hour in nine seconds.
6 If you travel faster than 767 kilometres per hour, you break the s_____d b_____r.

3 5.1 Listen to the first part of a podcast and choose the correct answer.

What is space debris?

a a type of satellite
b parts of old spaceships, satellites, etc. orbiting the Earth
c everything that's in orbit around the Earth



4 5.2 Listen to the rest of the podcast and tick the topics which are mentioned.

1 ☐ the number of small pieces of debris
2 ☐ the problems large debris can cause
3 ☐ missions to other planets
4 ☐ the most dangerous area
5 ☐ space debris falling to Earth
6 ☐ Earth's orbit around the Sun
7 ☐ cleaning up the debris

5 5.2 Listen again and complete the notes.

Space debris

- *more than [1] 170 million pieces of debris smaller than 1 cm*
- *just one piece of debris can damage a [2] _____ or satellite*
- *International Space Station (ISS) uses Whipple shields to make debris [3] _____*
- *nearly 30,000 pieces larger than [4] _____ cm*
- *some larger pieces can survive the [5] _____ temperatures of the atmosphere*
- *on average, one piece has landed on Earth every day for last [6] _____ years*
- *we don't clean it up because it's too [7] _____*

LIVEWORKSHEETS