


## 6 CLIL • Technology: GPS and survival

I can understand how GPS works.

- 1  2.11 Check the meaning of the words in the box. Then read and complete the text with the words from the box. Listen and check.


applications  
receiver speed track

- 2 Read the text again and match 1–6 with a–f.

- 1 The USA developed GPS
  - 2 Millions of people
  - 3 The system needs to be
  - 4 You must know which way
  - 5 To track your movement, you should
  - 6 Smartphones now have
- a. can now use GPS.
  - b. you are moving to survive.
  - c. lots of ways to help people survive.
  - d. find your position at different points in time.
  - e. for soldiers to use in war.
  - f. in contact with satellites in space.

- 3 Read the text again and answer the questions.

- 1 When did the USA invent GPS?
- 2 What can anyone use GPS for?
- 3 How does GPS provide information on your speed and direction?
- 4 What four things must explorers carry to survive?

- 4  **USE IT!** Invent a new smartphone application. Say what it does, and write instructions for how to use it. Tell your class about your application. Vote for the most interesting one.

If you use my application, you'll ...

To use it, you must ... and ...

You should / shouldn't ...

The USA invented the Global Positioning System (GPS) in the 1970s. At first, it was a military project, but now anyone can use the system to find out exactly their locations, and <sup>1</sup>..... their movements.

For GPS to work, your <sup>2</sup>..... (or smartphone) must be in contact with four or more satellites in space. Then it uses the data to calculate the exact time and position on Earth.

However, it is not enough for survival situations (escaping the jungles or deserts) because you must know your direction (which way you are moving) and your <sup>3</sup>..... (how fast you are moving). GPS provides this information, by tracking your position over time.

For modern explorers, a smartphone and GPS are as important as a compass, torch and map. With the right <sup>4</sup>....., your smartphone will help you survive.

