



# DO YOU KNOW?

## HIGH SPEED

Video  
Transcripts

Level 4

### Did you hear a bang? (Book page 9)

- <0:10> This is the sound of a plane travelling faster than the speed of sound.
- <0:15> That's faster than 332 metres a second.
- <0:21> The plane pushes air to the sides as it goes forward.
- <0:25> This makes a shock wave or sonic boom.

### Who uses wind tunnels? (Book page 15)

- <0:10> Look at this new car in a wind tunnel.
- <0:14> At high speed, air can make you slower, but look at the air moving over the car.
- <0:22> The shape of the car makes it go faster.
- <0:27> Engineers use wind tunnels to make new cars.
- <0:32> But it is not only engineers that use wind tunnels.
- <0:36> These people are having fun!
- <0:39> Wind tunnels are great for practicing sky sports!

### Is a person heavier on the moon or on Earth? (Book page 27)

- <0:10> When these children jump up, they always come back down again.
- <0:16> Gravity holds them on the ground.
- <0:22> These astronauts are on the moon.
- <0:26> Jumping on the moon is fun!
- <0:29> There's gravity on the moon too, but there's not as much gravity as on Earth, and people don't feel heavy.