

## Discover & Do Activity 1 – Were you listening carefully?



Listening is the receiving, retaining and processing of information or ideas.



10 mins

**Part 1:** Fill in the missing key information from the sentences below.

- Jess works as a ..... This job is in the ..... industry. One of the things she likes most about her job is.....
- Jess uses Maths in her job. This helps her because.....
- Jess uses lots of skills in her job including ..... This skill is important for this job because  
.....  
.....

**Part 2:** Talk to two or three people around you about what surprised you most about Jess the Speed Engineer, her job and the skills she uses.



## Discover & Do Activity 2: Design your own land speed car

Design a car which could be used in an attempt to break the land speed record.  
In your design you should think about the importance of aerodynamics and safety.



15-20 mins



## Discover & Do Activity 3: Make your own land speed car

Use junk modelling to create a car and see how fast it can go! Consider the importance of aerodynamics, concerns about streamlining and the addition of specific design elements to improve your chances.  
Bring your models in to share and evaluate the designs against the criteria discussed.



Extended Project