

Teacher Notes (Lower Key Stage 2)

Rosa chats to Jess the Speed Engineer



Jess is a Speed Engineer. A speed engineer looks at how fast something can go and ensures it is safe. A speed engineer is also called a 'Vibrations Engineer' and they can work in many industries including the motor industry and aviation.

Other related jobs:

Buyer

Manufacturing Engineer

Submarine Engineer

Equipment Build / Repairer

Aircraft Engine Mechanic

External Communications Manager



Guided Reflection – to structure a conversation after the film



- ☐ What was the most interesting thing you found out from Jess?
- ☐ What did you like about Jess's job?
- ☐ What would you enjoy most about Jess's job and what would you find most difficult?
- ☐ What have you learnt about being a Speed Engineer?
- ☐ How might you go about becoming a Speed Engineer?



5
mins

Discover & Do Activities – to run alongside the Discover & Do printed worksheets

Activity 1 – Were you listening carefully?



10
mins



In this activity, pupils apply Steps 2 and 3 of Listening from the Skills Builder Framework.
Listening Step 2: I can listen to others and ask questions about what I heard.
Listening Step 3: I can follow a conversation and tell somebody else what it was about.

Share the definition: "Listening is the receiving, retaining and processing of information or ideas".

Using the Discover & Do worksheet, ask pupils to:

- ☐ Write down 3 questions they would ask Jess
- ☐ Tell a partner what they recall from the conversation

Activity 2 – Land speed records



15-20
mins

In this activity, pupils will consider and research land speed cars and their records.

Give your pupils time to look at the pictures on the worksheet of different cars, 3 of them are involved in land speed record attempts. Ask them to identify them and put them in order from fastest to slowest, discussing why they think this.

Give pupils time to research the questions on the worksheet (this should result in them finding out about the current land speed record). Can they find out about future attempts to break the land speed record?



Reflection Question: When might Jess need to work with other people on how to make cars faster?

Activity 3 – Timeline of land speed records



Extended
project

In this activity, pupils will research the history of land speed records.

Encourage pupils to research land speed records over time. Ask them to think about how the cars have changed and why. They might want to use ICT to present their research or they could print pictures of the cars they have found.



Reflection Question: Why is it important for Speed Engineers to think about work that people have done in the past?