

# SCIENCE AT WORK

A chance to meet **Dr Jane Strachan** - a climate scientist  
and **Dr Suzie Imber** - a space scientist

## JANE STRACHAN

Jane is a climate scientist and works for the Met Office. She uses instruments like thermometers, rain gauges (which measure how much rain falls) and anemometers (which measure wind) to find out what the weather is like all over the globe. She also uses measuring instruments on satellites which orbit the Earth. The information she collects can help people growing crops in parts of Africa and Asia to be better prepared for changes in the weather. Jane doesn't only look at the weather of the Earth, but also investigates 'space weather' as this can affect how well our phones, TVs and the internet work.



Find a [weather forecast](#) for anywhere in the world  
Find out more what scientists know about all [different kinds of weather](#)



## SUZIE IMBER

Suzie is a space physicist at the University of Leicester. She specialises in studying space weather and is one of the scientists involved in sending measuring instruments on board a spacecraft to Mercury – it is due to arrive there in 2025! Suzie was the winner of the TV series, 'Astronauts: Do You Have What it Takes?' She endured challenges such as taking her own blood, speaking Russian while spinning round very fast, and carrying out emergency procedures on the NASA undersea astronaut training facility. Suzie also loves exploring new regions of our planet, including climbing mountains that have never been climbed before.

Find out about [space suits](#)  
Find out what it is like on [the International Space Station](#)

**Important note:** The Primary Science Teaching Trust is not liable for the actions or activity of any person who uses the information in this resource or in any of the suggested further resources. The Primary Science Teaching Trust assumes no liability with regards to injuries or damage to property that may occur as a result of using the information on this sheet. An adult must take full responsibility for completing the online form.



How old was **Tim Peake** when he first flew a plane? See if you can find out [here](#)  
How does an astronaut go to the loo in space? Tim Peake explains [here](#)

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## WHAT TO DO

### 1 FIND OUT ABOUT JANE AND SUZIE

On the other page, you will find some information and ideas to get you thinking. What else would you like to know? What questions could you ask them?

Write your questions here .....

### 2 DRAW A PICTURE

Can you draw a piece of equipment that Jane or Suzie might use?  
Maybe a satellite, or a spacesuit?

### 3 SEND IN A QUESTION AND YOUR DRAWING

- \* Choose your **favourite** questions that you would like to ask Jane and Suzie.
- \* Ask an adult to **complete the form** online with your first name, city or region where you live, and your question for Jane or Suzie. You need to do this by **3pm on 14<sup>th</sup> May**.
- \* If you have drawn a picture, please send this in as well! You can take a photo of it and upload it with the form.

### 4 WATCH THE VIDEO NEXT WEEK

- \* The video of Jane and Suzie will be available to watch from 11.00 on Tuesday 19<sup>th</sup> May.
- \* Ask an adult to **find the video** for you.
- \* You might see your picture, or hear your question being answered!

[CLICK HERE TO SEND IN YOUR QUESTION AND DRAWING](#)

[CLICK HERE TO WATCH THE VIDEO \(FROM 19<sup>TH</sup> MAY\)](#)