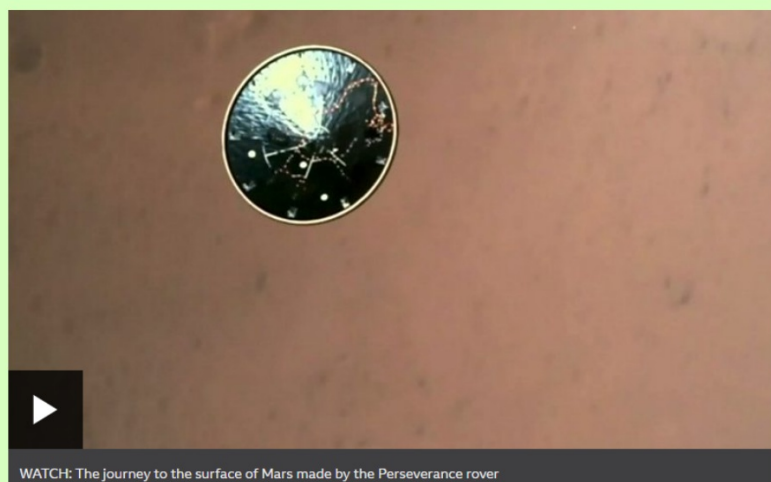


On Thursday 18th February 2021, the Perseverance rover landed on Mars after 8 months of travel

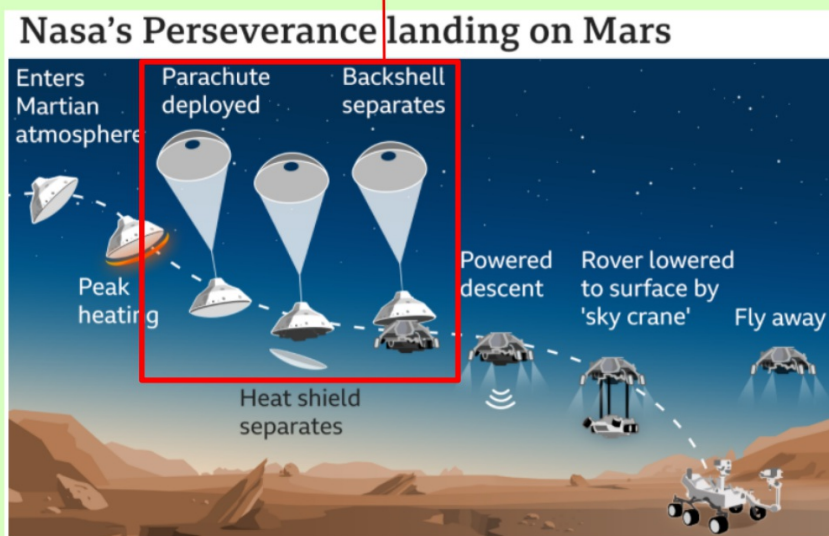
Watch this video of the moment the rover landed

<https://www.bbc.co.uk/news/science-environment-56158928>



Your task is going to be to recreate the landing of the Perseverance rover here on Earth. Unfortunately, we don't have a Mars rover but you will be using an egg.

We will be focusing on the parachute to get your egg to land safely

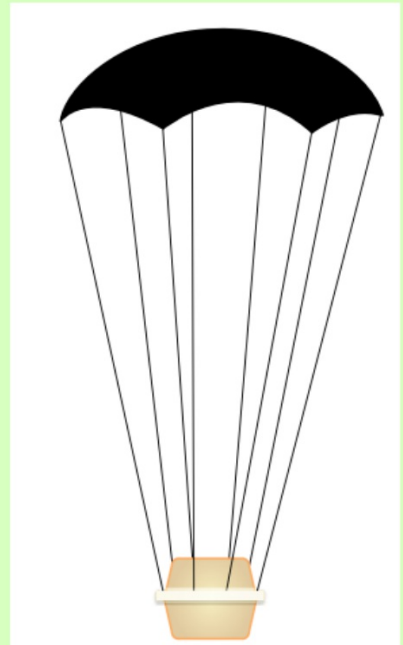


Your aim is to trial different bags to find the one which will get your egg down to the ground safely

What you will need:

- An egg
- 3 different sized bags (sandwich bag, carrier bag, bin bag)
- string
- tape
- timer or stopwatch
- Plastic cup

On Friday, the lighter learning day, you could design a carrier for the egg to sit in. Think about what materials you could use. How could you protect the egg in the best way?



To start with you must think about how you are going to keep this a fair test.

- What are you going to keep the same? (Control variable)
- What are you going to change? (Independent variable)
- What are you measuring? (Dependent variable)

Remember your aim is to get the egg to the ground without it being damaged at all

Now it's your turn to carry out your experiment!

Once you have finished your experiment, we would like you to write it up using the story board provided to explain:

- What you found out?
- Which bag got the egg to the ground the safest?
- If there is anything you would change about the experiment

Your teachers would love to see your experiments, so as part of your write up we want you to have taken lots of pictures or even a video of the experiment.

You will need to send these with your write up to your teacher today