

Wonderstruck Online Presents...

Major Malfunction

- a talk with demos

What's it about?

Travelling into space and returning to Earth is a risky endeavour.

This informative talk uses demonstrations and archive footage to look at some of the hazards we've overcome on our journey to the stars.

How do you start a rocket? What happens if you find yourself in space without a space suit? How does a heat shield help you get back to Earth and how can you make one?

Just a few of the questions we aim to answer!

Who's it for?

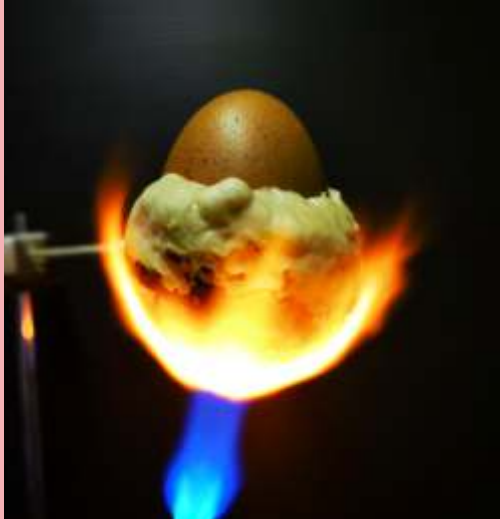
We recommend this talk for KS3 upwards.

What does it cost?

A snip at £100.00 plus VAT per session!



WONDERSTRUCK
SCIENCE ON FIRE



'I now know how to build a heat shield if I have to unexpectedly re-enter the Earth's atmosphere.'

KS4 Chemistry Teacher

Requirements

All you need is a decent broadband connection, Zoom or MS Teams and a big enough display so that everyone can see.

The Science

The STEM content of the show is wide ranging, but the main topics covered are:

- Pressure and the relationship with boiling point
- Properties of oxygen (liquid and gas)
- Combustion
- Heat transfer
- Heat shields and the role of pyrolysis

It may sound advanced but all of these topics are illustrated with demonstrations and should be accessible to the majority of KS3 students and above!



Duration

The talk runs for 45 minutes and we have a Q&A session for 15 minutes afterwards.

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 youtube.com/wonderstruckwow

'I've never seen liquid oxygen before.' KS3 Pupil