

Wonderstruck Presents...

# The Rocket Show

## What's it about?

It's about rockets!

The show looks at the science of how rockets work and also the history of their development from the invention of black powder up to the development of reusable boosters and space tourism.

The show includes demonstrations of a working pulse jet engine, a hybrid rocket motor and a full-size, working rocket car!

Our most frequently booked show, we've performed the Rocket Show at the Royal Institution, the Abu Dhabi Science Festival and many other prestigious venues!

## Who's it for?

Anyone!

In schools we can run the show for KS1 age groups up to post-16, differentiating the language & content appropriately.

It's also an exciting family show for festivals and public events.



**WONDERSTRUCK**  
SCIENCE ON FIRE



'Incredible!

Funny and packed with science and information. I learned a lot and laughed a lot too.'

Audience member  
Royal Institution  
August 2019

## Show Requirements

We usually perform our shows in halls or sports halls as we need at least 3 metres floor to ceiling height. The performance space needs to be approximately 5 metres wide and 4 metres deep with a 2 metre safety space between that and the audience. **Any smoke alarms or heat detectors in the hall or adjoining areas into which smoke might drift must be disabled for the duration of the show.**

## The Science

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

- Forces
- Combustion
- Energy

We can differentiate content according to age group and the show is just as frequently presented to KS1 pupils as to KS3 students. We even do it now and again for post-16 groups, in which case we can introduce more advanced concepts such as impulse etc.

## Duration

For schools, we typically run a one hour show with a maximum of three shows in a day.

We have a specific festival/public event version of this show which runs for 20-30 mins and has a much quicker turn around time.



[www.wonderstruck.co.uk](http://www.wonderstruck.co.uk)

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'Best show  
EVER!'

KS3 Student