

# Wonderstruck Presents... The Dangerous Science Show

## What's it about?

The Dangerous Science Show examines the impact that our ability to use the energy of expanding gases has had on human civilisation.

So where does the 'Dangerous' fit in?

It's there because we take the danger factor and turn it up to 11. This show contains some of our most dangerous demos:

- The Burning Bed of Nails
- The Fire Axe Pendulum
- The Exploding Helmet of Pain

And plenty more!

## 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



'It certainly looked dangerous!

I've never seen the conservation of energy explained with a burning axe pendulum before!' KS3/4 Science Teacher

## 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 3 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 focuses mainly on the work done by expanding gases, but the main topics covered are:

- Forces
- Pressure
- Combustion
- Work
- Energy

We can differentiate content for audiences from KS1 to adult!

## 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 called 'The Expanding Gas Show' which runs for 20-30 mins and has a much quicker turn around time.



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

T: 0845 5193 325

E: [enquiries@wonderstruck.co.uk](mailto:enquiries@wonderstruck.co.uk)

 [facebook.com/wonderstruckwow](https://facebook.com/wonderstruckwow)

 [youtube.com/wonderstruckwow](https://youtube.com/wonderstruckwow)

Wonderstruck Ltd. Brandize Hill Farm, Petrockstowe, Devon. EX20 3HW.  
Registered in England 657 7857 | VAT Registration Number 883 3214 22

'That was  
**AWESOME!**

KS3 Student