

The Wonderstruck

STEM in the **BOX**

Compressed Air Rocket Workshop

What happens?

Compressed Air Rockets are simple rockets powered by compressed air!

Students build their own launchers and design and build their own rockets. We also supply pdf templates for airplane wings that generate lift so you can build aircraft to. Bonus!

Who's it for?

KS1 all the way to adult!

How does this work?

We send you a box filled with most of the bits you need to build 30 Compressed Air Rockets plus pdf templates, pdf instruction sheets, a Powerpoint showing how to build the cars and covering the basic science. There are also teacher notes explaining all the science and how to run the workshop.

What don't we provide?

You'll need to provide basic stuff like scissors and tape. You'll also need to provide a 1 to 2 litre PET fizzy drink bottle for each rocket. Exact details of what you need to provide are in the teacher notes.



WONDERSTRUCK
SCIENCE ON FIRE



'Some great science, great supporting resources and a great activity!'

KS2 Science Teacher

Workshop format

The workshop starts with an introduction which covers the necessary science. This is included in the Powerpoint file accompanying the workshop. We can also organise a live intro via Zoom if you prefer.

Participants can then build, test and modify their Compressed Air Rockets. The workshop finishes with an exciting rocket race!

The science

The STEM topics covered in this workshop are:

- Forces
- Aerodynamics and lift
- Pressure

We can differentiate content for participants from KS1 to adult!

What's the cost?

A class box of 30 Compressed Air Rocket parts plus all supporting resources is £70.00 plus VAT. Discounts are available for additional boxes.

Duration

Exact workshop duration depends on exactly how you decide to run things and how many participants you have.

For a workshop with 30 participants we would allow 60 to 90 minutes.

'Wow!

My rocket went a really long way. I want to build a bigger one!'

KS1 Pupil



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