

THE WONDERSTRUCK

COMPRESSED AIR ROCKET WORKSHOP

AGE SUITABILITY: KS1 TO KS3

UP TO 300 PARTICIPANTS

THE TASK

Pupils work in pairs or individually to build paper and card rockets. Once complete, we launch the rockets from our custom built launchers. These launchers can supply launch pressures up to 100 psi which can send a well-made rocket out to a range in excess of 200 metres! That's more than enough for an average school playing field!

We do have a smaller launchers for use indoors in a large hall if you don't have acres of playing field.



WORKSHOP FORMAT

The session starts with an introduction to rocket science which may include demonstrations of some small alcohol-fuelled rockets and the Wonderstruck Hoverchair. Children then build their own rockets and, once complete, we go out side to launch them. The session will typically last about an hour.

THE SCIENCE

The main STEM topics covered in this workshop are:

- Forces
- Aerodynamics
- Friction

This workshop also covers more holistic skills such as team working, communication, investigation etc.

WORKSHOP REQUIREMENTS

To run the workshop we need a space suitable for the number of participants to undertake a practical activity. For larger groups we will usually split into a number of separate classrooms for the rocket construction. For launching we will need access to a large outdoor space, preferably as far from roads etc as possible.

CONTACT US

If you've got a question or would like to make a booking you can contact us on:

T: 0845 5193 325

E: enquiries@wonderstruck.co.uk

 [FACEBOOK.COM/WONDERSTRUCKWOW](https://www.facebook.com/wonderstruckwow)

 [YOUTUBE.COM/WONDERSTRUCKWOW](https://www.youtube.com/wonderstruckwow)

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