

THE WONDERSTRUCK SKIMMERS WORKSHOP

AGE SUITABILITY: KS2 TO ADULT

UP TO 150 PARTICIPANTS

THE TASK

Pupils work in small teams to build, test and modify a 'Skimmer'. Skimmers are small 'aircraft' that make use of an aerodynamic phenomenon called the 'ground effect'. This allows a good Skimmer to travel 8 or 10 metres whilst skimming just one or two centimetres above the ground.

We start our session with an introduction to the science behind the activity and demonstrations of the Skimmers in action. Teams then get templates with which to build their own Skimmers. They can test their Skimmers and try out modifications and then we have a competition to find the Ultimate Champions.

WORKSHOP FORMATS

We can deliver this workshop to groups of up to 150 in about 90 minutes.

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 Skimmer construction. We will need access to a large space with a smooth, flat floor for the introductory presentation and the final competition.

THE SCIENCE

The main STEM topics covered in this workshop are:

- Forces
- Pressure
- Aerodynamics

This workshop also covers aspects of experimental data collection and processing (taking multiple readings, averaging, fair tests etc) and more holistic skills such as team working, communication, investigation etc.



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)

