

The Wonderstruck... Mini-Rocket Car Workshop

What happens?

Rocket Cars are small cars powered by simple water rockets.

Participants investigate how altering various different factors affect their car's performance. This is a 'make and take' version of our popular Rocket Car Workshop.

Who's it for?

KS1 all the way to adult!

How many can take part?

This workshop is designed as a high capacity rolling workshop for festivals and other events but we can also run it for schools.

Workshop requirements

We will need access to a large space with a smooth, flat floor for the introductory presentation and a large, flat outdoor space (tennis court size or bigger) with a concrete or tarmac surface for the final competition.

Construction will need to be done in a space suitable for simple practical work.



WONDERSTRUCK
SCIENCE ON FIRE



'I'm not sure who got more excited, me or my daughter!'

We had great fun doing this together and were surprised how fast it went.'

Workshop Participant, age 33

Workshop format

The workshop starts with an introduction to all participants which covers the science and the process of the workshop. Participants can then build, test and modify their Mini-Rocket Car. They are encouraged to consider the factors that affect their car's performance such as pressure, volume of water used etc.

The science

The STEM topics covered in this workshop are:

- Forces
- Momentum/inertia (older/more able groups)
- Pressure

We can differentiate content for participants from KS1 to adult!

Mix & match

The Mini-Rocket Car Workshop makes an ideal accompaniment to our Rocket Show as it focuses on the application of many of the topics covered in the show.

Duration

Exact workshop duration depends on the particular number of participants. We can run this workshop in its most basic form in 60 minutes with 30 - 60 participants.

Dwell time for rolling events is about 20 minutes.

'That was fun!'

I'm looking forward to showing my car to my friends back home'

Workshop Participant, age 8



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