

# The Wonderstruck... Micro Planes Workshop

## What happens?

Participants work in teams to build simple rockets or aircraft from card templates. We then launch them with our unique compressed air launchers to see how well they fly.

If you don't want to work from templates, why not go free style and have your pupils use their own scientific knowledge to try their own designs?

## Who's it for?

KS1 all the way to adult!

## How many can take part?

We can run this workshop with up to 100 participants.

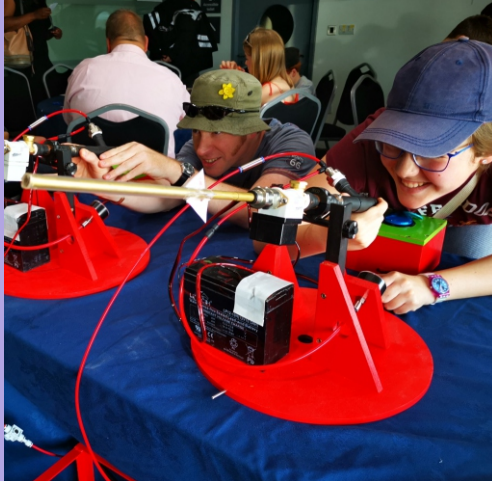
## Workshop requirements

We will need access to a suitable space for the introductory presentation. Micro Plane construction and testing is usually done in classrooms.

The final competition usually takes place in the school hall.



**WONDERSTRUCK**  
SCIENCE ON FIRE



'Pupils learned about forces and drag and how flaps can be used to control the performance of their planes.'

Really fun, plus they got to take them home at the end of the workshop.'

KS3 Science Teacher

## Workshop format

The workshop starts with an introduction to all participants which covers the science and the process of the workshop. Participants then work individually or in pairs to build one of a number of different Micro Planes. Current templates we can provide include rockets, fast jets, witches brooms etc.

The session ends with a competition using our special launchers to launch the Micro Planes at target hoops.

## The science

The STEM topics covered in this workshop are:

- Forces
- Aerodynamics

We can differentiate content for participants from KS1 to adult!

## Mix & match

Micro Planes makes an ideal accompaniment to our Rocket Show and a great alternative to our Compressed Air Rocket Workshop if you don't have much space.

## Duration

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

'My plane did a loop the loop.'

It didn't hit the target the first time, but we changed the flaps and I think it did the third time!'

KS2 Pupil



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