Wonderstruck Presents...

# The Super Sonic Sideshow

# What's it about?

## Who's it for?



WONDERSTRUCK

SCIENCE ON FIRE



KS3 Student

# Show Requirements

We usually perform our shows in halls or sports halls as we need at least 3 metres floor to ceiling height. The performance space needs to be approximately 5 metres wide and 4 metres deep with a 2 metre safety space between that and the audience. Any smoke alarms or heat detectors in the hall or adjoining areas into which smoke might drift must be disabled for the duration of the show.

# The Science

The STEM content of the show is wide ranging but the main topics covered are:

- · Wavelength, frequency and amplitude
- · Longitudinal and transverse waves
- The speed of sound in different materials
- Sonic booms
- Resonance

We can differentiate content according to age group from KS3 upwards upwards.

# Duration

For schools, we typically run a one hour show with a maximum of three shows in a day.

### Great demos!



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