

Wonderstruck Presents...

HEAT!

The show that answers all of your
BURNING
questions about
heat & temperature

What's it about?

It's pretty self-explanatory - HEAT!
is all about the relationship between
heat and temperature.

We start off at the chilly end of the
scale at minus 196 Celsius and
finish at about 4000 Celsius.

Along the way we look at changes of
state, high temperature chemical
reactions, thermal insulators and
spacecraft heat shields and much
more.

Who's it for?

In schools we can run the show for
KS2 age groups up to post-16,
differentiating the language &
content appropriately.

We're currently working on a 25
minute version for public events
and festivals.



WONDERSTRUCK
SCIENCE ON FIRE



'He melted a
brick!! How
can that be
possible?'

KS3 Student

Show Content

As far as we know, this is the only science show in the world where
you can see:

- A thermic lance produce home-made lava
- A chemical reaction so hot it can burn through a steel plate
- A minus 196 Celsius cold shower (subject to venue restrictions)
- A steel pipe ice explosion
- Microwave plasma and much more*

We even make **genuine rubies** live on stage and the school gets to
keep them!

* Exact demonstrations performed will depend on the nature of the venue. This will be assessed before
a firm booking is made.

The Science

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

- Heat & temperature
- Changes of state
- Combustion
- Applications of science

We can differentiate content according to age group.

Duration

For schools, we typically run
a one hour show with a
maximum of two shows in a
day (there's a lot of resetting
to do!)

For festivals and public
events we can run 25 minute
versions of the show with a
tighter turn around time.



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Registered in England 657 7857 | VAT Registration Number 883 3214 22

'Real rubies? I'm retiring.'

KS2 Teacher