

Primary Workshops

Enjoy science, stimulate curiosity and have fun

These are our workshops and the curriculum areas they support – they don't all cover everything!
They are designed, mainly for specific age groups, to develop scientific skills.

We can be flexible.
Please ask for details.

*These workshops need extra help from adults or older pupils. Please discuss this with the Workshop Leader.

Air*

How things move through the air and how their movement can be altered. These are a set of contrasting investigations making gyrocopters, hoopsters and kites.

Space: hall

Time: 1½ hours

Age group: P5-P7

Boats

How things float (and sink) using different materials and making different boat shapes.

This is a sequence of short investigations making boats and rafts.

Space: classroom with access to a tap

Time: 1½ hours

Age group: P4-P7

Buggies

How the energy from the release of air in a balloon powers a small car (buggy). As the pupils make buggies, they investigate the variables affecting how they work. The class keeps the buggies.

Space: hall or very large classroom

Time: 1½ hours

Age group: P4-P7

Carousel*

Materials and forces. This is a set of five investigations based around the theme of a circus.

Space: hall or classroom

Time: 1½ hours

Age group: P1-P3

Circuits*

This is a set of six short circuit investigations.

Space: hall

Time: 1¼ hours

Age group: Y3/Y4



Citrus

How much Vitamin C (relatively) is found in different citrus fruits. This is an investigation by pupils, discussing fair testing and accurate results.

Space: classroom with at least one sink.

Time: 1½ hours.

Age group: P5-P7

Fire

The origins and properties of waxes, changes of state and non-reversible changes. This is a lively interactive discussion, easily differentiated to focus on specific topics.

Space: classroom or hall with electrical point

Time: 1¼ hours

Age group: P1-P7

Fizz!

The pupils use litmus to identify acids and then design a fair test to investigate the effect of temperature on an acid/carbonate reaction.

Space: classroom with at least one sink.

Time: 1½ hours.

Age group: P5-P7

Light

This is a set of five short investigations comprising reflection, casting shadows, how shadows change during the day, light being an energy source.

Space: classroom

Time: 1¼ hours.

Age group: P4-P7

Recycling

Pupils think about recycling in general and then use old sugar paper to produce small pieces of new paper, and examine different combinations of new fibres.

Space: classroom with sink

Time: 1½ hours

Age group: P5-P7

Rollers

How the energy from the release of an elastic band powers a small toy (bandroller). This is an investigation, as the pupils make bandrollers, of the variables affecting how they work. The class keeps the bandrollers.

Space: hall or classroom

Time: 1¼ hours.

Age group: P4-P7

Separating

Pupils work through a sequence of activities to separate a dry mixture, look at dissolving gases, and observe an exciting nucleation.

Space: classroom

Time: 1¼ hours.

Age group: P5-P7

Solar Circuits

How a simple circuit is affected by a sequence of small changes. This is a number of small investigations some of which use solar cells.

Space: classroom and outdoors (weather permitting). Lamps will be used in bad weather.

Time: 1½ hours.

Age group: P4-P7

Space*

Simple investigations into phases of the moon, the solar system, stars, the night sky, and shadows.

Space: hall

Time: 1½ hours

Age group: P5-P7

Story *

Simple, accessible science investigations, linked to a story book. Parents and carers can be invited to take part.

Space: classroom

Time: 1 hour

Age group: N/R/P1 and P5-P7

Studying Substances

Pupils try ten different experiments to test their ability to follow instructions, observe carefully and record accurately.

Space: hall

Time: 1½ hours

Age group: P5-P7

Wind

Pupils design a model wind turbine and investigate variables to improve its efficiency.

Space: hall or large classroom

Time: 1½ hours

Age group: P5-P7

We have over fifteen years' experience of supporting and inspiring practical and investigative science in thousands of schools.
Tell us what you want.
Ask us what we can do.

To book workshops, please contact us:
on 01582 612214 (answerphone) or at email@spherescience.co.uk