



Light Fantastic KS2 Year 3

Full Day Schools Programme

Main science themes:

- Recognise that we need light in order to see things and that dark is the absence of light.
- Notice that light is reflected from surfaces.
- Recognise that shadows are formed when the light from a light source is blocked by a solid object.
- Pupils should explore what happens when light reflects off a mirror or other reflective surfaces

A provisional timetable is shown below.

Light Fantastic Programme Introductions to the Team				
Time	Spectrum Set Group A	Ultra violets Group B	Infra-reds Group C	Lasers Group D
1015	Planetarium Light Show: Bending, breaking, and bouncing light	Shadow Puppets Workshop	Discovery Trail Sight, vision and optical illusions	Periscope making workshop
1100	Periscope making workshop	Planetarium Light Show: Bending, breaking, and bouncing light	Shadow Puppets Workshop	Discovery Trail Sight, vision and optical illusions
1145	Short break			
1200	Discovery Trail Sight, vision and optical illusions	Periscope making workshop	Planetarium Light Show: Bending, breaking, and bouncing light	Shadow Puppets Workshop
1245	Lunch break			
1330	Shadow Puppets Workshop	Discovery Trail Sight, vision and optical illusions	Periscope making workshop	Planetarium Light Show: Bending, breaking, and bouncing light
1415	Review session Departure approx. 1430			

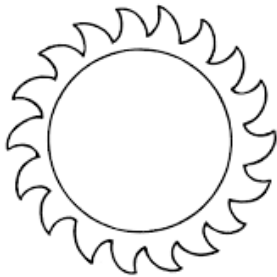
Remember - your school will have **Exclusive Use** of our Gallery.

Spectroscope Workshop (Year 6)

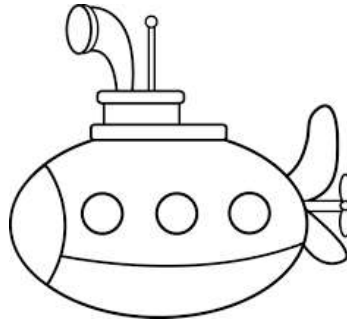
Ever wondered how we see the **colours** around us?
Let's learn about **wavelengths of light** in our **Spectroscope** making workshop!

Light Show

Enter the **Planetarium Dome** and experience our light show!
This **presenter-led show** will also give you a fantastic introduction **to light sources, shadows, how light travels** and colours!



Light Fantastic



Discovery Trail

Follow our trail around the gallery to learn more about light! This independent discovery trail will promote research skills and involve an overview of sight, vision and optical illusions.

Periscope Workshop

What is a **Periscope**? When do we use them? Find the answers to these questions while making a periscope and learning how **light moves!**

Shadow Puppets Workshop (Year 3)

What are shadows?

Students will recognise that **shadows** are formed when light is blocked by a solid object through the use of **shadow puppets**.

