# Science Knowledge Organiser Working Scientifically (Term 6)

## Year 4

### **Our learning**

In our science lessons this term, we will be working scientifically with our knowledge of light and shadows. This is part of the physics aspect of science and will help us to develop the skills to become a scientist.

We will look at using our scientific knowledge to identify patterns from the data we collect and use them to explain our findings.

#### Ask a question

Plan an investigation

Make a prediction

Complete your investigation

Display your results

Explain what you found out

#### **Information**

#### Lurking in the shadows

Dark is the absence of light.

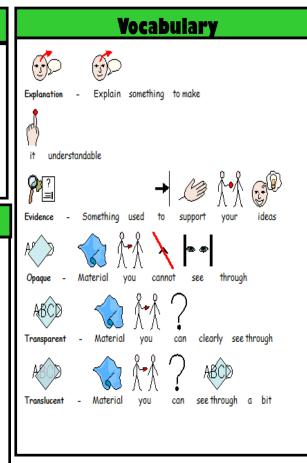
Shadows are **formed** when light from a **light source** is blocked by a solid (opaque) object.

Shadows can be different sizes, shapes and tones.

#### As a scientist I will...

- Recognise when a fair test is necessary.
- Use data to make predictions.
- Make careful and accurate observations
- Use scientific evidence to support my findings.
- Identify similarities and differences when talking about scientific processes.





Eratosthenes discovered lots about shadows and how they worked.

