

Topic: Light (Science)

Term: Spring 1

Year Group: 3

NC OBJECTIVES	KEY KNOWLEDGE AND VOCABULARY
<ul style="list-style-type: none">■ recognise that they need light in order to see things and that dark is the absence of light■ notice that light is reflected from surfaces■ recognise that light from the sun can be dangerous and that there are ways to protect their eyes■ recognise that shadows are formed when the light from a light source is blocked by an opaque object■ find patterns in the way that the size of shadows change.■ Think about why it is important to protect their eyes from bright lights	<ul style="list-style-type: none">• Know that we need light in order to see• Know that darkness is the absence of light, and that without light we cannot see.• Identify variety of light sources• Know that the Sun as a light source• Know why it is important to protect our eyes from bright lights• Know how to protect eyes from bright lights• Identify the difference between night and day• Understand how the Sun rises and sets• Know what shadows are and why they are formed• Know that shadows are formed when the light from a light source is blocked by an opaque object• Know which objects could be tested to determine whether or not they will make a shadow• Investigate which objects do and don't create a shadow• Know how the size of a shadow changes and investigate the reasons for this• Know how the size of shadows change throughout the day• Explore how light is reflected from surfaces• Know that some surfaces reflect more light than others.• Identify and describe a range of reflective surfaces