

Prior Knowledge

You will have learned about staying safe in the Sun in Year 1 in the module Changing Seasons – Summer

In Year 1 and Year 2 you will have learned a little about the reflective, opaque and transparent materials in Everyday Materials.

Key Vocabulary:

light		a form of energy that allows our eyes to see	shadow		a dark image that is formed when an object blocks the light
reflect		the process that describes light bouncing off a surface	ray		a thin beam of light
vitamin D		a vitamin that come from sunlight or food and important for bone strength	cast		to throw or project
ultraviolet rays		type of light that can be harmful	position		where something is placed
fluorescent		gives a highly visible reflection of light	shape		the outline of something
high visibility		can be seen easily	puppet		a doll that looks like a person or an animal

Key learning: How do we see light and how can this be affected?



Week 1: Identify the difference between light sources and non-light sources

What is a light source?



Week 4: Discover how shadows are formed

How are shadows formed?



Week 2: Explore the light that comes from the sun and how to stay safe

How do we stay safe in strong sunlight?



Week 5: Investigate how shadows change throughout the day

How do shadows change over a day?



Week 3: Explore materials which are reflective

Why do some materials reflect light?



Week 6: Investigate how you can change the size of a shadow

How do you change the size of a shadow?

Next Steps

In Year 4 you will learn more physics when we learn about sound.