

Light Innovation

Prior Knowledge

Previously, in Class 1 you have explored a range of materials, looking at their properties. In Class 1 you have also learnt about shadows and used shadow puppets.



My Component Knowledge:

Lesson 1: I can understand key vocabulary.

Lesson 2: I can understand what light sources are.

Lesson 3: I can understand what reflectors are.

Lesson 4: I can understand how to protect myself from the sun.

Lesson 5: I can understand what shadows are and how they are formed.

Lesson 6: I can use my knowledge to draw conclusions and explanations.

My Composite Knowledge:

I can understand the difference between light sources and reflectors. I can understand how shadows are formed and change over time. I can understand how to protect myself from the dangers of the sun's UV light.

My Powerful Knowledge:

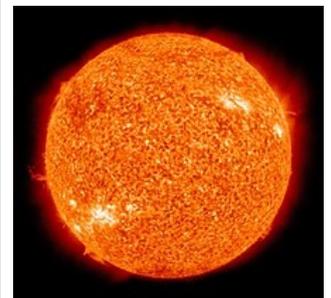
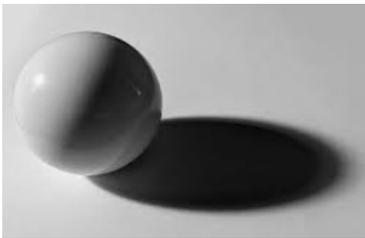
I understand that light is required to be able to see. I know that some objects are reflectors and some are light sources. I know that shadows are formed when an object blocks the light from a light source.

Key Vocabulary

Tier 1: block, light, shortest, highest

Tier 2: shadow, direction, light source, light beam

Tier 3: transparent, opaque, translucent



How does the moon shine?

How do shadows form?

What is the difference between a light source and a reflector?