

## Year 3/4: Spring 2 Light (Strand: Physical Properties)

**Tranparent    Translucent    Opaque**

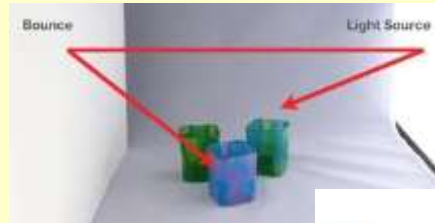


Shadow



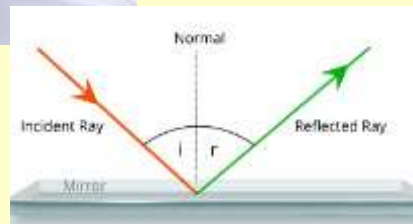
Dark / dull

Bright



Reflect

Mirror



### Vocabulary

Dark, dull, bright, very bright.  
Brighter, duller, and darker.  
Brightest, dulllest, and darkest.  
Opaque  
Translucent  
Transparent  
Shadow  
Block  
Absence of light  
Reflect  
Bounce  
Mirror  
Reflection  
Light source

### What I already know:

This is new learning for Year 3

### What I will learn now:

#### Year 3

- 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 a solid object
- Find patterns in the way that the sizes of shadows change.

#### Key facts

- Light reflects off a mirror or other reflective surfaces
- It is important to protect our eyes from bright lights
- Shadows are caused when light is blocked by objects

### What I will learn next:

#### Year 6

- Recognise that light appears to travel in straight lines
- Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye
- Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes
- Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them