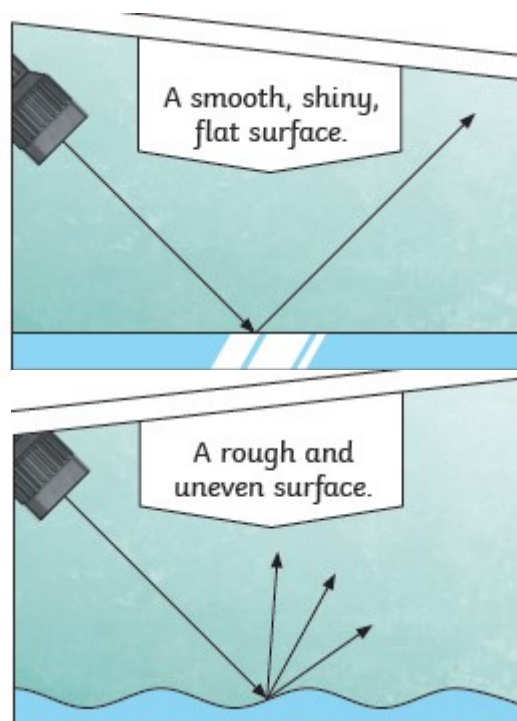


Science - Light Year 3 - Spring 1



Key Vocabulary

Light	A form of energy that travels in waves from a source
Light source	An object that makes its own light
Dark	Dark is the absence of light
Reflection	The process where light hits the surface of an object and bounces back into our eyes
Reflect	To bounce off
Reflective	A word to describe something which reflects light well
Ray	Waves of light are called light rays. They can also be called beams
Shadow	An area of darkness where light has been blocked
Transparent	Describes objects that let light travel through them easily, meaning you can see through the object
Translucent	Describes objects that let some light through them
Opaque	Describes objects that do not let light pass through them

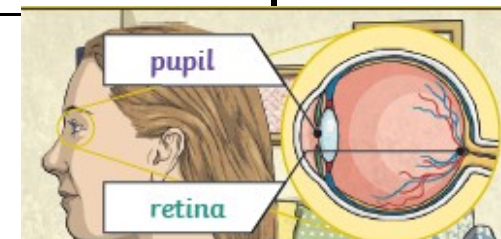


Resources

- Torches
- Sellotape and den-building material

Safety Cards

Card 29 - Light



What key knowledge will I have by the end of this unit?

- Light is generated from a source
- We need light to see things, even shiny things.
- Darkness is the absence of light.
- Light bounces off reflective materials.
- Opaque objects don't let light through.
- Transparent materials let light through and you can see through them.
- Translucent materials let light through and you cannot see through them.
- Shadows are formed when a light source is blocked.
- Explore patterns of how shadows are changed.

What key skills will I have by the end of this unit?

- Safety in science
- Ask Questions
- Observing darkness, materials and shadows
- Labelled diagram
- Comparative test, prediction, conclusion
- Similarities, differences and changes

In KS1:

In Year 3:

In Year 4:

In Year 5:

In Year 6

- Understanding how we see
- Learning how to reflect light