



St Bernadette's Catholic Primary School

Beech Class

Science Spring 1 Light, Reflections and Shadows

Gospel Value - Joy

What I should already know...

- Explore how things work
- Talk about differences in materials and changes I notice
- Be able to describe what I see and feel whilst outside

Key Knowledge

- We see objects because our eyes can sense light
- We cannot see anything in complete darkness
- Some objects are sources of light (sun, light bulbs, candles)
- Some surfaces reflect light
- Light from the sun can damage our eyes
- Shadow are formed on a surface when an opaque or translucent object is between a light source and the surface and blocks some of the light

Key Vocabulary

Light – Energy that makes it possible to see

Light Source – Something that emits lights e.g. torch, sun, light bulb

Dark – absence of light

Transparent – light can travel through

Translucent – some light can travel through

Opaque –light cannot travel through

Shiny – smooth surface reflecting light

Matt – Not reflecting light

Surface – Outside or any one side of an object

Reflect – give back light Ray – beam coming from a light source

Mirror – surface that reflects and image

Sunlight – Light and energy that comes from the sun

Dangerous – Unsafe



When light hits a smooth object, it bounces off (reflects) making it appear shiny.

LIGHT SOURCES

