

St Bernard's Catholic Primary School- Science

Topic: Light

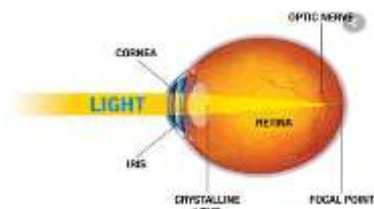
Year 4

Strand- Physics- Spring

What should I already know?

- That dark is the absence of light
- Identify different sources of light
- We need light in order to see

Diagrams



What will the children know about by the end of this unit?

- 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 size of shadows change.

Key Vocabulary

- Shadows
- Reflective
- Source
- Visible
- Bounce
- Ray
- Beam
- Glare
- Pupil
- Retina
- Translucent
- Transparent
- Opaque

Working Scientifically

1. Ask relevant questions and explore.
2. Identify differences, similarities or changes related to simple scientific ideas and processes.
3. Use straightforward scientific evidence to answer questions or to support their findings.
4. Set up simple practical enquiries, comparative and fair tests and make careful observations of findings.
5. Record these findings appropriately

