

Sticky Learning for Science (Physics)

Class 3

Frightening Light

Light (Year 3)

I can recognise that I need light in order to see things and that dark is an absence of light.

I can identify light sources and understand that light travels in a straight line.

I can understand that light is reflected from surfaces.

I can recognise that light from the sun can be dangerous and that there are ways to protect my eyes.

I can recognise that shadows are formed when the light from a light source is blocked by an opaque object.

I can find patterns in the way that the size of shadows change.

I can identify and classify different sources of light. **AQ IC MO RR**

I can investigate which types of surfaces reflect light. **AQ MO PE RR DC**

I can investigate how the shadow of a lego figure can change in size. **AQ MP MO EM PE RR DC AE**

Key Vocabulary to learn:

- **Light**
- **Straight**
- **Reflect**
- **Light source**
- **Object**
- **Shadow**
- **Mirror**
- **Transparent**
- **Translucent**
- **Opaque**

Working Scientifically:

AQ Asking and answering questions

MP Making predictions

MO Making observations

EM Equipment and measurements

IC Identifying and classifying

PE Engaging in practical enquiry (investigations)

RR Recording and reporting findings

DC Drawing conclusions

AE Analysing data, evaluating and raising further questions and predictions