

# Light

## Year 3 Spring Term I



### What I already know and can do:

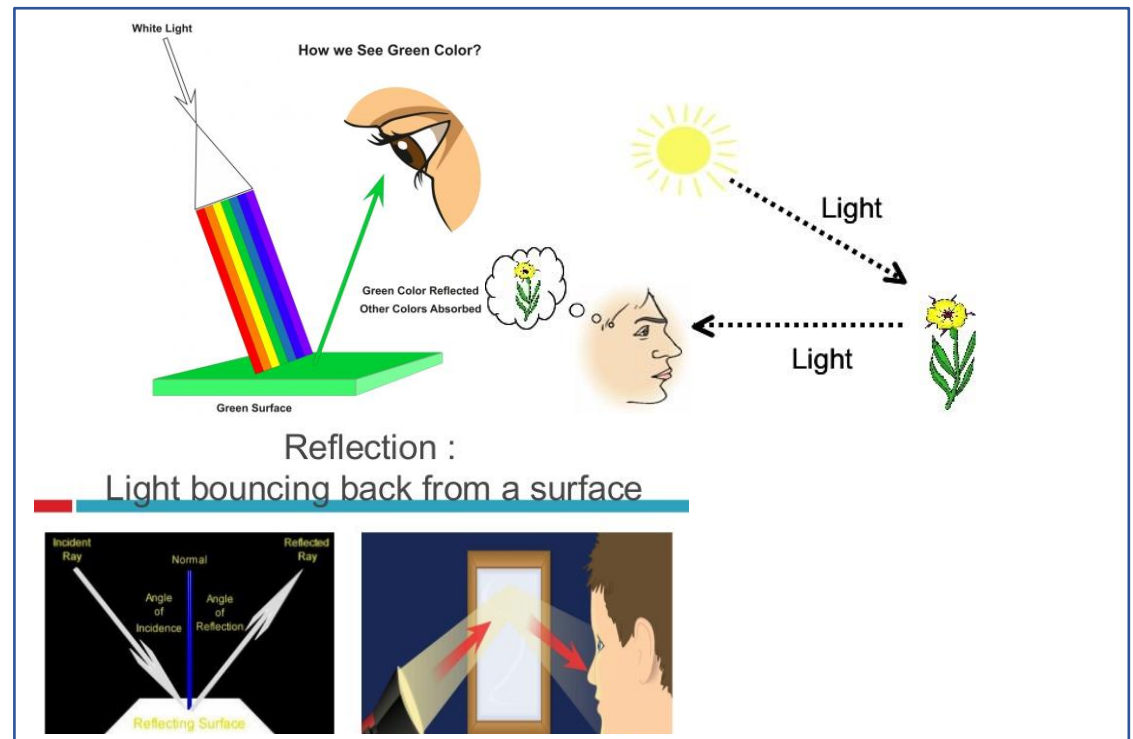
- Describe the simple physical properties of a variety of everyday materials.
- Compare and group together a variety of everyday materials on the basis of their simple physical properties.
- Observe and describe weather associated with the seasons and how day length varies.
- Say which part of the body is associated with each sense.
- Classes are named after famous artists. Barbara Hepworth is a famous sculptor.

### Key Vocabulary I will learn:

Dark	The absence of light.
Light source	An object that emits light
Emit	To give out / produce
Natural	Natural light comes from natural sources.
Artificial	Artificial light is produced by man-made sources
Opaque	Light cannot pass through an opaque object
Transparent	Light passes easily through a transparent object
Translucent	Some light will pass through a translucent object
Reflection	Light bouncing off reflective / shiny surfaces.
Refraction	Splitting light into different colours
Spectrum	The colours of light.

### My new learning is:

- 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 an opaque object.
- Find patterns in the way that the size of shadows change.
- Create a light shadow puppet theatre.
- Artist study of Steve McQueen





**Year 3 will be exploring the topic 'Light'. This unit will have a focus on developing the children's knowledge, skills and understanding in Science. They will also study the famous artist Steve McQueen.**

### Maths Learning

Number: Multiplication and Division

- Consolidate 2, 4 and 8 times tables
- Recognise related calculations
- Multiply 2 digits by 1 and 2 digits
- Divide 2 digits by 1 and 2 digits
- Solve problems involving scaling

Measurement: Money

- Count money in pounds and pence
- Convert pounds and pence
- Add money
- Subtract money
- Calculate change

Statistics:

- Make tally charts
- Draw and interpret pictograms
- Create and interpret bar charts
- Create and interpret tables

### English Learning

We will be reading –

'The Firework Makers Daughter' by Phillip Pullman

The Lighthouse (Short film)

Narrative

- Children will write an extended version of the letter that Lila writes to her father.
- Children will write a missing chapter or a character's backstory that could be included in the Firework-Maker's Daughter.
- Children will write a description of the Fire-Fiend's Grotto using a range of sentences and powerful vocabulary.
- Children will write an extended version of the letter that Lila writes to her father.
- Interview writing with direct speech.
- Write a recount of events

### Home Learning

Parents can support

- Read at home regularly
- Practise handwriting and spelling commonly used words in a sentence.
- Play TT Rockstars.
- Practice spellings set for week.
- Complete homework tasks set using 'Google Classroom.'
- Find light sources and explore shadows.
- Create shadow puppets.

