

Key THEME or question

(whole school)

How is light used as symbol?

Our value: Respect

How do we celebrate difference?



Science

This term's science is about light; we will be learning about that light appears to travel in straight lines and that objects can be seen because they give out or reflect light into the eye. We will also investigate the fact that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

CELEBRATION

Whole school science investigation

AUDIENCE:

Whole school

YEAR 6 T2

Learning map

SYNOPSIS

This term our overarching theme is LIGHT and we will be incorporating this into our Science and RE learning. In addition, we will be looking at data handling in Computing by learning how to use Excel to input, sort, filter and calculate data and represent the data in different ways. In geography, we will be discovering more about South and Central America—comparing locations/landscape and geographical terms.

LAUNCH

Creepy reflections, floating finger, optical illusions

Key question 1

Was Guy Fawkes a hero or villain?

Why do we commemorate Guy Fawkes?

Retell the story of the gun powder plot.

Why do we include fireworks as part of this festival?

Examine traditions surrounding the remembrance of Guy Fawkes and his co-conspirators attempt to blow up parliament. Link to fireworks as symbolism of light and their use in many celebrations.

What opposing views could people have about Guy Fawkes actions?

Investigate the reasons behind the gunpowder plot and the opposing views of different sides in the conflict.

Key question 2

How does light enable us to see our world?

Why is light important to our world?

We will consider the importance of light to our world, how it is the source of all life; how it is necessary for us to see objects and how light sources have developed through scientific discoveries.

How do we know how light travels?

We will examine how we can scientifically prove that light travels in straight lines and the impact that has in what we can/ cannot see. We will consider how much variation in our world, from shadows, to reflections, to colour, is as a result of light.

Key question 3

How is light used as a symbol in Judaism and how do Christians use light as a symbol at Christmas?

How does Judaism use light to understand God?

We will compare how light can guide us, enlighten us and be used in celebrations to how it is used as a symbol in religion. In the synagogue, the Ner Tamid, eternal light, symbolises the presence of the Almighty and the value of the Torah.

Why do Jews light candles?

The festival of Hanukkah retells the story of miraculous light from the time of the Maccabees when God gave a miracle of light to his people which is remembered and celebrated by the lighting of 9 candles on a Menorah during the Jewish festival of Hannukah.

Why do Christians light candles at Christmas? (Christingle)

Examine how Christians use lights/candles to be a symbol of Jesus and the light, hope and good he brings to the world.

Maths

Simplify fractions.
Find equivalent fractions.
Compare and order fractions
Generate and describe linear number sequences (with fractions).
Add and subtract fractions with different denominations and mixed numbers.
Multiply pairs of proper fractions,
Divide proper fractions by whole numbers.
Associate a fraction with division and calculate decimal fraction
Recall and use equivalences between simple fractions, decimals and percentages.
Describe positions on the full coordinate grid (all four quadrants).
Draw and translate simple shapes on the coordinate plane, and reflect them in the axes.

Key text in English

A Christmas Carol – Charles Dickens

You may wish to buy a copy for your child.