

**Year 6**  
**Term – Spring 2**

**Bright Sparks!**

**This term we will be  
learning...**

All about light!

Pupils will learn how light is used and how it travels. They will also research the invention of light based electronics.

Pupils will also spend time considering the impact of light pollution on our modern world. They will learn about urban sky glow and light trespass and will consider ways that they can warn others about the dangers of light pollution.



**Key Information**

Light is measured in 'waves'

Light waves are measured in the 'electromagnetic spectrum'.

The human eye sees specific areas of the spectrum, but other animals and insects can actually see parts of the spectrum that we can't.

A light wave is made up of energy in the form of magnetic and electric fields.

Light will travel in a completely straight line until it hits an object that will bend it.

Light is used by plants to convert the light into energy as their 'food'. The process is called 'photosynthesis'.

Light can be controlled and produced in millions of ways.

## English

- In Reading we will make and justify inferences using point + evidence + explain and identify effective language choices. We will also be focusing on language and implied meaning through analysis of author word choice.
- In Writing pupils will learn to add depth to their writing by focusing on language choice and the use of stylistic features. They will focus on figurative language in poetry with use of metaphor, alliteration and personification.

This half term's key text is:

**The Jabberwocky: C.S Lewis.**

## Mathematics

Pupils will learn to: **Algebra**

- Find one and two step rules
- Use an algebraic rule
- Solve substitution and formulae based problems
- Solve simple one and two step equations
- Find pairs of values
- Enumerate possibilities

## Computing

**We are advertisers!**

Pupils will look at different mediums to promote products. They will analyse current methods of advertisement and create their own adverts for a range of products.

## You might like to join in with our learning at home by:

### Reading

Expose yourself to a wide range of texts – newspapers, non-fiction, poetry, stories. Make sure you are reading **DAILY!**

### Watching:

Explore National Geographic to research light pollution.  
<https://www.natgeokids.com/uk/>

### Doing

Visit the Michael Faraday Museum if you haven't already!

### Making

Use G Suite to build a website to warn about the dangers of light pollution.