

Reading:

The Visible Spectrum

Isaac Newton, an English scientist and mathematician, made an observation about light during a series of investigations made in the 1660s. After experimenting with shining light through a prism, he discovered that white light was in fact composed of seven different colours. These colours are those found in a rainbow (red, orange, yellow, green, blue, indigo and violet) and are called the '**Visible Spectrum**'.

Light appears white to our eyes as each colour within a ray of light has a different wavelength and the colours merge together. When light travels through a transparent material, such as a prism, it refracts or bends.

As each colour wavelength is different and bends slightly differently, the colours of the spectrum are separated.

1. What object was Isaac Newton experimenting shining light through?

2. Why might someone choose to read this text? Explain your answer.

3. Find and copy one word which shows that something is clear or see-through.

Mental Maths— answer the calculations using a mental strategy

1) $5.6 + 2.2$

2) $10.7 - 6.5$

3) $22.9 + 13.4$

4) $56.3 - 4.2$

5) $23.4 + 2.41$

SPAG

Underline the **relative clause** in each of these sentences.

1. Sam, whose dad was fighting in the war, wanted to protect his family.
2. Filey, where Sam and Lily were evacuated to, is a town in Yorkshire.
3. Mrs Scales, who was a large, intimidating woman, often got food from the black market.
4. Tom, who had blonde, curly hair, became a really good friend to Lily and Sam.
5. The Second World War, when this story is set, was one of the most significant periods in British history.
6. He'd always boasted that he could find his secret hiding place blindfolded.

Pick a challenge to complete this week.

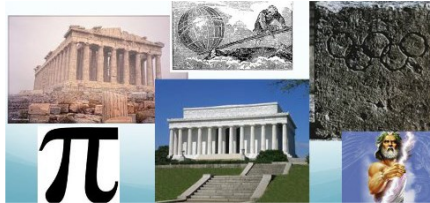
Art



Research a famous photographer and choose one of their pieces to recreate. This can be done using other objects, photomontage, drawing etc. Then take a photo of it using different filters on the camera.

History

Create a poster or a PowerPoint showing how Ancient Greece has influenced the modern world. Give examples of where this can be seen eg Buildings with Greek Columns.



Science

With a book move around your house into differently lit rooms— some darker and some lighter. Choose a page from your book, record how many words you were able to read in?

Explain why that is using a diagram and words.

What challenges did you have?



Music

What music do you play when you feel happy?
 What about when you are angry? Are they different?
 Put together a play list for different emotions.
 I wonder if any of you have the same songs for the same feelings.



RE

If you are upset, what makes you happier?
 Is there someone you go to that cheers you up?
 Create a picture showing this.



Computing

Look at different websites and answer the following questions:

- What makes them good?
- Is it easy to find information?
- Do they look appealing?
- Are they child friendly or easy to use?
- What could make them better?



Year 6's
 Home Learning

Homework due back on
 Wednesday 4th December