

How does light help us see?

How does light travel?

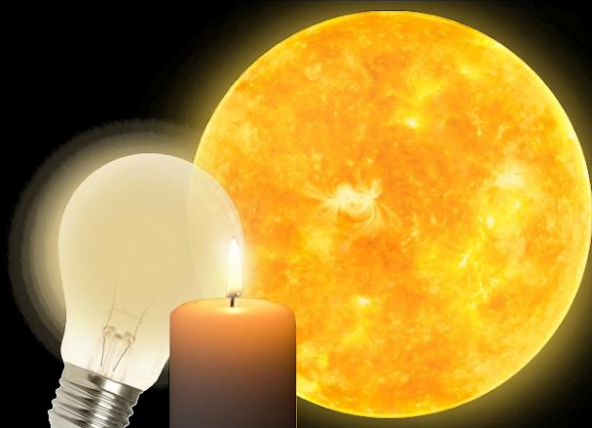
How does light enter our eyes?

What is reflection and how can we use it?

Which materials can change the direction light travels in?

How are shadows formed?

Can I investigate the number of shadows cast by an object?



This Term's Value is...

Determination

Class Book

Dragon Riders of Roar

(Jenny McLachlan)



English

- Write effectively for a range of purposes and audiences, selecting language that shows good awareness of the reader.
- Write a playscript to convey characters.
- Write an online news report.
- Write a discussion showing both sides of an argument.
- In narratives, describe settings, characters and atmosphere.
- Use a range of devices to build cohesion within and across paragraphs.
- Use verb tenses consistently and correctly throughout their writing.
- Use the range of punctuation taught at key stage 2 mostly correctly.
- Spell correctly most words from the year 5/year 6 spelling list and use a dictionary to check the spelling of uncommon or more ambitious vocabulary.

Maths

- Apply my knowledge to reasoning and problem-solving questions.
- Themed projects, consolidation and problem solving.
- Convert measurements in real-life contexts.
- Calculate money in real-life contexts.



Science – Light

- Recognise that light appears to travel in straight lines.
- Use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye.
- Explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes.
- Use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.

Geography: Can I carry out an independent fieldwork enquiry?

- Plan a route for a fieldwork trip.
- Carry out a fieldwork trip.
- Answer our enquiry question.

History: Mayan Civilisation

- What was everyday life in Mayan civilisation? How different was it for rich and poor?
- How can we possibly know what it was like there 1,000 years ago?
- If the Maya were so civilized, why then did they believe in human sacrifice?
- How can we solve the riddle of why the Mayan empire fell so suddenly?

PSHE – Changing Me

- Be aware of my own self-image.
- Explain how girls' and boys' bodies change during puberty and understand the importance of looking after yourself.
- Describe how a baby develops from conception through the nine months of pregnancy.
- Know the importance of a positive self-esteem and what I can do to develop it.
- Identify what I am looking forward to and what worries me about the transition to secondary school.

PE SWIMMING

- Swim confidently over a distance of at least 25 metres.
- Use a range of strokes effectively.
- Perform safe self-rescue in different water-based situations.

STRIKING/FIELDING

- Consolidate striking and fielding skills.
- Apply skills to a game.

Art – Take a Seat

- Engage with the 'design through making' approach.
- Create a 'seat' which shows their personality.
- Evaluate my finished result.

D&T: Waistcoats

- Assemble a waistcoat.
- Decorate a waistcoat.
- Evaluate my finished result.

RE – Islam

How is the Qur'an vital to Muslims today?

- Consider how written guidance might impact on my behaviour.
- Explain why I think some events were important during the Night of Power.
- Explain some actions a Muslim might take to show respect to the Qur'an.
- Interpret some sayings from the Qur'an and understand there may be different interpretations.
- Explain how I would like something important to me to be respected and treated.

French: Me in the World

Introduction to 4 friends/characters

Learning about celebrations and festivals

Eid and Christmas

Similarities and differences with friends

Protecting the planet

Computing: Exploring AI

- Recognise how AI can be used to explore and generate images.
- To apply AI-generated HTML code to the website Trinket.
- To debate the ethical implications of AI.

Music : Composing Leavers' Song

- Listen and describe music.
- Writing chorus lyrics.
- Organise lyrics into a song structure.