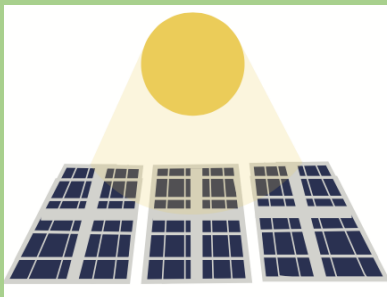
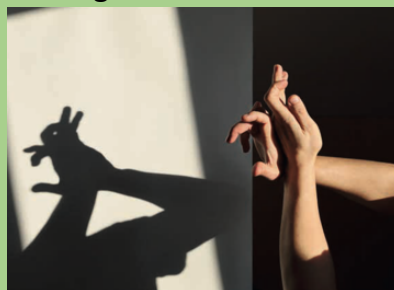


What are we learning this half term?

Autumn 2
Jemison Class – Year 5/6
Where does our energy come from?



Light and Reflection



D&T

Topic: Electrical systems -Doodlers

- Identify simple circuit components
- Provide examples of motorised components
- Remove and replace different parts of a Doodler
- Create a functional Doodler.
- Suggest ways to switch the configuration to amend the form or function of the doodler.
- Identify and list each of the required materials, tools and circuit components.

English

Core Text - Fiction:

Leon and the Place Between

- To write a setting description
- To write a portal story

Core Text - Fiction:

Kensuke's Kingdom

- To write an informal letter
- To write a set of instructions

Poem: Peeking Past The Curtains.

Geography

Topic: Where does our energy come from?

- Describe the significance of energy
- Give examples of sources of energy and their trading routes
- Define renewable and non-renewable energy
- Discuss the benefits and drawbacks of different energy sources
- Discuss the significance of Prime Meridian
- Identify human features on a digital map
- Discuss how transport links have changed over time
- Locate UK cities on a map
- Use six-figure grid references

Computing

Topic: Programming 2: Micro bit

- Tinker with Scratch and begin to block units together.
- Create own images to make the animation and recognise the difference between 'on start' and 'forever.'
- Identify inputs and outputs used.
- Break a programme down into smaller steps, suggesting appropriate blocks and match the algorithm to the programme.

Maths

Topic: Multiplication and Division

- Division using factors
- Long division
- Multi-step problems
- Multiply 4-digit number by 2- digit number
- Prime and cube numbers
- Mental calculations and estimations

Topic: Statistics

- Line graphs
- Bar charts
- Pie charts

Science

Topic: Light and reflection

- Compare sources of light
- Describe how light travels
- Explain how light is reflected
- Recall factors that affect the size of a shadow
- Use mirrors to make a working periscope
- Make observations about the property of light
- Use observations as evidence to support conclusions

PSHE

Topic: Health and well-being

- Describe the qualities and values you want to develop and create achievable goals
- Describe the importance of relaxation and suggest different strategies
- Describe how you take care of your physical well-being.
- Understand how technology can have an impact on physical and mental health
- Describe what resilience is, why it is important and explain some resilience strategies

What are we learning this half term?

Music

Topic: Dynamics, pitch and texture

- Engage in discussion about the sounds of an orchestral piece
- Have a selection of varied vocabulary in response to what they hear
- Change dynamic and pitch, differentiating between the two
- Take the role of a conductor and follow a conductor

PE

Topic: Outdoor Adventure Activities

Topic: Invasion Games -Football

RE

**Topic: Why does religion look different around the world?
Part II**

- Recognise some ways that Hindu worship is influenced by geography, history and culture
- List how some people in the Hindu community practise their religion in the UK
- Consider how a person may identify as Sikh
- List ways some Sikhs feel part of the community
- Consider the symbolism of light in different worldview stories

Home Learning

Please continue to support your child at home with the following:

- Weekly Maths
- Weekly English
- Daily Reading
- Weekly Spellings
- TTRockstars