

## History/Geography

**Geography:** Understand and identify sustainable energy sources such as, tidal power, solar power and wind energy. Ask and answer questions about the physical and human characteristics of sustainable energy. Use various resources and equipment to locate countries where energy farms are located, and express our views on sustainable energy.

## RE/PSHE

**RE:** Investigate the importance of ceremonies and how they are special to each religion. Children create a timeline of their life and discuss the important stages of life. Children will look at Christenings, why they are important and compare this to a Bar Mitzvah.

**PSHE:** Children will learn strategies for resilience and managing pressure and persuasion. Children will push past their fears and reflect upon emotions. To realise our actions have consequences in a number of circumstances.

## Science

To identify appliances that run on electricity and identify whether these run on main or battery powered electricity. Children can construct a simple series circuit, identifying all the basic parts. To understand the role a switch plays in a circuit, and its effects. To recognise common conductors and insulators.

**Investigation** - What materials best make a circuit?

## English (Genres: narrative, persuasion and poetry)

**Reading:** Apply knowledge to read and understand new words; listen to and discuss a range of fiction, poetry, plays and non-fiction; ask questions to improve understanding; make predictions and summarise main ideas.

**Writing:** Learn a range of spelling patterns; use consistently neat handwriting build up vocabulary; proofread; read aloud and use a variety of tenses.

**Spoken language:** Justify own ideas; explore different view-points; speak clearly and fluently in Standard English; take part in discussions, performances and debates.

Year: 4

Term: Autumn 2

Topic: A Magical Place

Special Events



## Computing

Design & write programs to achieve specific goals, including solving problems using logical reasoning. (turtle academy and scratch).

Use internet safely and appropriately.

Pupils will learn the importance of using and keeping safe their passwords (smart crew).

## Music

Understand the use of symbols for sharp and flat notes. To understand the purpose of and identify time and signatures.

Singing - Christmas performances

## Art/Design

### Art:

Design and create a lamppost (3D sculpture)

Christmas activities

### Design & technology:

Create circuits using electronics kits that employ a number of components. Create series and parallel circuits, deciding which would be the best to incorporate into their product. Diagnose faults in battery operated devices.

## Maths

### Multiplication and division:

Recall multiplication tables up to  $12 \times 12$ ; multiply and divide mentally; recognise and use factor pairs; use formal written methods and solve multiplication and division problems.

## PE

**Dance:** Complete through Christmas nativities

**Outdoor adventurous activities:** Forest school - Teamwork, using initiative and aware of weather changes and conditions

**Swimming:** Swim between 25 and 50 metres unaided, co-ordinate leg and arm movements and swim at the surface and below the surface.