

**Mathematics** – Following the White Rose Maths Scheme, we will primarily be working on: Place Value & Number, Calculation and Fractions during Autumn Term. We will develop a fluency in maths skills, practising rapid and accurate recall with varied opportunities to apply to problems through arithmetic, reasoning and problem solving. Children will reason mathematically using mathematical language and solve problems. Children will complete regular multiplication tasks so confidence in times tables is gained; this will be encouraged every week through homework tasks too.

### History

Through cross-curricular links children will learn more about the World Wars through work on Remembrance but also our English unit: Star of Fear, Star of Hope. We will also learn about significant mountaineers in history through our topic work – 'Mountains & Coasts'.

### PE – Monday & Thursday

Knowledge and skills in Physical Education will be developed through Football / Tag Rugby / Hockey, Dance & Gymnastics.

### Computing

Computing systems and networks - communication and collaboration  
Self image & identity

**English** - We follow schemes of work from The Literacy Company: Pathway to Read, Write and Spell, to deliver our English curriculum. This term, pupils will develop skills to speak and write fluently to communicate their ideas and emotions. Written tasks will be linked to personal experiences, experiences of others, real events, poetry and the use of role play. This term will focus on:

- To write a story with a flashback from another character's point of view.
- non-chronological report
- hybrid text type (information, explanation and persuasion)
- Poetry
- Debate & presentation (speaking and listening)
- Grammar, punctuation & spellings to be integrated throughout & contextualised, plus handwriting

*Through reading in particular, pupils will have a chance to develop culturally, emotionally, intellectually, social and spiritually. A love of reading is promoted & nurtured through shared and independent reading.*

### Geography – Mountains & Coasts

Our learning will focus on physical geography in this unit, particularly coastlines, hills and mountain regions in our locality and around the world.

Children will develop geographical knowledge, understanding and skills to enhance their locational and place knowledge using a variety of maps.

They will understand geographical similarities and differences through their studies of human and physical geography and be able to describe and understand key aspects of mountains and the water cycle. This will include fieldwork to observe, measure, record and present the human and physical features of an area.

Children will explore coastlines and the usage of coastlines around the world and how this has changed.



### Music

**Mrs Kessel-Fell** – Music & Choir on Wednesday  
**Mr Butler** – guitar Friday  
**Mrs Nowotarski** - Y5 Violins on Tuesday  
**Mr Clowes** – Percussion Y5 & individual Tuesday

### Art & Design & Technology

- Space Art (Robert McCall / Peter Thorpe, Creating movement, Watercolours, hatching & cross-hatching )
- Frame structures - bridges

**Science** – Pupils work scientifically by asking questions, observing systematically, performing practical enquiries, recording, reporting, evaluating and concluding their findings using scientific explanations and evidence which link back to the enquiry focus; analysing the outcomes. Opportunities to gain scientific knowledge and conceptual understanding:

### **Earth & Space**

Pupils study our solar system, learning about the relative movements of the planets and the Moon and relating these to the way we experience the Sun and the Moon on Earth. They carry out some research into planets and investigate the way meteorites have shaped the surface of the Moon.

### **Electricity**

Pupils build on their learning from LKS2 to learn more about circuits, including how to use recognised symbols to represent circuits. They investigate how to change the amount of electricity flowing round a circuit, looking at how different components affect the flow of electricity and at the difference that the length and thickness of wires can make. They learn about series and parallel circuits and they use their knowledge of electricity to build games that use electric circuits.

### RE

#### **Creation & Science: Conflicting or Complementary?**

We will explore the 'big story' of the Bible (Genesis) but also other religious beliefs.

We will deepen thinking of God as Creator & show understanding that many Christians find science and faith go together.

**Creation/Fall: Why do some people believe in God and some people not? What difference that might make in people's lives?** Through this unit, we will explore the following key questions: How many people believe in God? Is God real? What do people think? Why do people believe or not believe in God? What do people say about science and believing in God? What do people say about science and believing in God?

### PSHE

This term we will explore the topic of 'relationships' using resources from the PSHE Association. This will include friendships & respect for others in class, how to be a good friend, resolving friendship issues, feeling pressure or worry, respecting others and sharing, different cultures, family units managing loneliness & unhappiness. We will also focus on anti-bullying including online bullying for a focus fortnight. Safe relationships will be explored including online privacy and secrets. We will use daily news to reflect on current issues in the world.