Science – Out of This World

- Describe the movement of the Earth and other planets relative to the Sun in the Solar System.
- Describe the movement of the Moon relative to the Earth.
- Describe the Sun, Earth and Moon as approximately spherical bodies.
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky.

French – On the Way to School

- listen attentively and show understanding by joining in and responding.
- read carefully and show understanding of words and phrases
- speak in sentences, using familiar vocabulary
- understand feminine and masculine forms

Geography – Alpine Region

- use maps to focus on countries, cities and region in Europe
- understand that fold mountains occur when two tectonic plates meet
- explain the climate patterns of the Alpine region
- explain that there are advantages and disadvantages to tourism in the Alps
- explain how avalanches are caused
- explain some of the ways avalanches can be prevented.

Music

This term we will begin learning written notation of rhythms, working up to creating our own compositions

English

Reading

This term, we're reading 'Cosmic' and we'll be focussing on different skills such as prediction, visualisation, using our background knowledge and inference skills.

Writing – Poetry, Explanation and Information booklets

- Using figurative language
- Using bullet points, subheadings and other structural features
- Linking ideas across paragraphs using adverbials of time
- Brackets, dashes or commas

YEAR 5 SPRING 1
We will be learning

RE – What does it mean if God is holy and loving?

- Identify some different types of biblical texts, using technical terms accurately.
- Explain connections between biblical texts and Christian ideas of God, using theological terms.
- Make clear connections between Bible texts studied and what Christians believe about God; for example, through how churches are designed.
- Show how Christians put their beliefs into practice in worship.
- Weigh up how biblical ideas and teachings about God as holy and loving might make a difference in the world today.

Maths - Multiplication and Division and shape

- Understand the terms multiples, factors, prime numbers
- Understand square numbers and cube numbers
- Multiply by 10, 100 and 1000
- Divide by 10, 100 and 1000
- Measure perimeter
- Calculate perimeter of rectilinear shapes
- Count squares to find area of rectangles
- Calculate area of compound shapes
- Multiply up to 4 digits by 1 digit
- Multiply up to 4 digits by 2 digits
- Divide by 1 digit
- Divide with remainders

Computing – We Are Cryptographers

- send and receive messages using Morse and semaphore beyond line-of-sight
- decrypt messages using the Caesar **cipher** with an unknown key
- recognise the importance of using complex passwords
- understand how to check if a web page is encrypted.

DT – Structures

- Using a variety of equipment and materials to create different structures
- Understanding the best ways to strengthen and reinforce structures
- Measuring accurately
- Evaluating structures and offering improvements