

**Maths:**

Multiply and divide whole numbers and those involving decimals by 10, 100 and 1000. Add and subtract decimals with the same and different numbers of decimal places. Use all four operations to solve problems involving measure [for example, length, mass, volume, money] using decimal notation, including scaling. Multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams.

**English:**

We will use the book *Kindlekrax* to develop skills of inference and make inferences of characters' feelings, thoughts, and motives from their actions. Write in role to explore and develop understanding of character. Write a range of texts in role based on fictional experiences. Write non-chronological reports.

**Science:**

- Identify, compare and group together based on their properties, everyday materials, including through their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets
- Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, woods and plastic
- Demonstrate that dissolving, mixing and changes of state are reversible changes
- Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible

**Year 5**  
**Topic: Living in a Material World!**

**Wellbeing Curriculum:**

This half term, we will discuss:

- how to show compassion for the environment, animals and other living things
- about how resources are allocated and the effect this has on individuals, communities and the environment
- the importance of protecting the environment and how everyday actions can either support or damage it
- about the way that money is spent and how it affects the environment
- to express their own opinions about their responsibility towards the environment
- how they can take small steps to protect the environment around them

**Global Scholars:**

In Unit 4, children will research global distribution. They will create surveys and present their findings on an infographic.

**Computing:**

We will be covering privacy and security, health wellbeing and lifestyle and online relationships.

**Music:**

In music this half-term Year 5 will be further exploring the musical concepts of ostinato and pentatonic scales by using Songmaker to compose their own pieces. They will be introduced to the sequencing software 'Ableton'. Linking in with their discovery topic of 'Materials', Year 5 will be examining how the different families of the orchestra are able to produce such a wide range of sounds because of the instruments' construction. Benjamin Britten's *Young Person's Guide to the Orchestra* will be used to demonstrate this.

**MFL:**

We will learn about body parts and food vocabulary in Spanish,

**RE:**

Our focus will be Christianity, specifically