

**YEAR 5**

**Term 3**

**Spring**

## Key Vocabulary

English – implore, validate, crucial, ravage, incite, condemn  
Maths – divisor, multiple, dividend, remainder, decimal, percentage  
Computing – component, condition, selection, input, output, algorithm  
Science – structure, adaptability, sustainability, drought, construct, climate  
Geography – Nordic, sub-Arctic, Fjords, glaciers, Tundra, diverse  
RE – compassion, contentment, equality, humility, moral, consideration

## English

Our learning journey begins by considering and exploring the effects and impact of a flood through a beautiful, poignant book. Linked with our Geography and Science learning, we will write and present a persuasive speech encouraging others to prevent climate change, and the devastating effects such as flooding, by making changes to their everyday lives

Within our journey, we will cover:

- Model verbs and adverbs of possibility
- Relative clauses
- Emotive and exaggerated language
- PEE Paragraph structures

As part of this unit, children will be selected to represent Thameside in the VAT Mini=Speaks competition.

## Mathematics

In Year 5 Maths, we will be learning about:

- Multiplication and Division: multiplying and dividing up to 4-digit numbers by 1 or 2-digits using area models and formal written methods.
- Fractions: multiplying; fractions of amounts
- Decimals and percentages: decimals to 2dp; round to 1dp; understand percentages; equivalent fractions, decimals and percentages

To develop out mathematical thinking and learning, we will use concrete, pictorial and abstract representations, as well as apply our skills to reasoning and problem solving.

## Science

Our Science learning will help to solve a global issue and achieve sustainable development goals – the Floating Garden Challenge. At the end of our Science unit, we will have designed and built a model of a structure that people can grow their crops on, even when their land becomes flooded.

## Computing

In this unit, we will use physical computing to explore the concept of selection in programming through the use of a Crumble microcontroller. We will learn how to connect and program components, while being introduced to conditions as a means of controlling the flow of actions.

## RE

We are focusing our learning on Sikhism and exploring how the religious beliefs are relevant in the modern world. Through the exploration of Sikh morals and meanings, we will express our beliefs which are synonymous with Sikhism in a poem.

## PE

In PE this term, we will be participating in Dance and Football. Dance supports children's mental health and well-being by giving them the opportunity to express emotions and channel their feelings through physical activity. Football will support communication and teach social skills, as well as enhancing team skills and teamwork

## Spanish

In Spanish we will explore going to the market to buy fruits and vegetables. Taking part in a role play to practise our Spanish, we look at prices of fruits and vegetables at an authentic Spanish market. Using our Spanish skills we will also read and follow instructions for a fruit salad recipe.

## Geography

In Geography, we travel to Scandinavia and explore the diverse culture, climate and landscapes. Showcasing our learning and knowledge we will produce some literature to help encourage tourists to visit the area.

## Art

Linking our Art with English and Geography, we will be creating a vase designed around a Climate Change theme. Exploring a range of techniques and materials will allow us to communicate our own views on the theme in a creative and unique way.

## PSHE

Our PSHE will focus on identity, society and equality. Within this unit, we will consider and challenge stereotypes, discrimination and prejudice. Understanding these concepts will support us in our emotional and mental well-being, as well as encourage acceptance of those who are different from us.

## Music

We will explore the human life cycle in this unit with music from Brahms, Berio, Liszt and Monteverdi. The wide variety of musical moods, styles and genres will inspire singing, performing and composition using new techniques, including contrasting pitch and combining musical structures.

## Learning to Learn

Our Learning to Learn skill this term will be 'Noticing' which provides the first step in a process that can ultimately lead to deeper understanding. Through sensory information, children notice details and links allowing information to become their own.

