



# Topic Map: Year 4

## Term: Autumn 1



### PE – Fitness

Pupils will take part in a range of fitness challenges testing and record their scores. They will learn about different components of fitness, speed, stamina, strength, coordination, balance and agility. They will be given opportunities to work at their maximum and improve their fitness levels.

### Yoga

Children will learn yoga poses and techniques that will help them to connect their mind and body, building strength, flexibility and balance. The learning includes breathing and meditation taught through fun and engaging activities.

### R.E – People/ Called

**People** – Children will begin by looking at their family tree and then move onto exploring Jesus’ family. Know and understand the family of God through Scripture.

**Called** – Children will learn People are chosen for different things at different times and people are chosen for different reasons. Another way of explaining this is that people are called to help or contribute in a special way. They will discover how various people from the bible were chosen by God, How Jesus called his Apostles and how we are called through the Sacrament of confirmation, how we ourselves can live in the light and how the Holy Spirit can inspire us to be the best version of ourselves.

Reading: God Story 3, Book of Proverbs Gospel Scripture, Class Assembly.

**WOW Experiences** –swimming & gardening

### Computing – Coding and Digital Literacy

Children will design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. Use Code Studio/Scratch with increasing confidence

Children will combine digital images from different sources, objects and text to make a final piece of work (e.g., posters, scripts, information texts, ppt) They will use shortcuts such as cut, copy and paste, use font sizes appropriately use spell check and the thesaurus.

### Geography - Why can our world be so challenging?

Children will explore extreme weather across the world such as Hurricanes, Tornadoes, flooding, drought and Forest fires. They will compare floods both at home and further afield and will consider human behaviour and the effects global warming has on these catastrophic events

### Art – Observing Insects

Children will be introduced to the life and work of Louise Bourgeois. They will be given opportunities to make observational drawings of sculptures and questioning methods as well as technique when producing their work. They will experiment with colour using pastels before making a sculpture of their own using a variety of materials

### Spanish

This term the children will ask and answer familiar questions linked to where they live, birthdays, pets and feelings in Spanish.

They will recognise which nouns are feminine and which are masculine.

### PSHE – New Beginnings

To create a classroom code of conduct. To share one special thing about themselves and learn special things about each other. To think of ways to find out what others have to offer. To know something about everyone in the class. To feel valued at school.

### Class Novel/Book

Harry Potter and chamber of Secrets

## English

### Spelling, Punctuation and Grammar

Children will learn about independent and subordinate clauses. They will be able to identify these types of clauses within sentences. Children will extend their range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although. They will be taught what a pronoun is and will choose nouns or pronouns appropriately for clarity and cohesion and to avoid repetition.

### Transformation Narrative-The secret sky garden

Children will immerse themselves in the narrative -The secret sky garden by Linda Sarah and Fiona Lumbers. They will analyse the text focusing on vocabulary and language features to help them plan, write and edit their own transformation narrative.

### Setting Narrative-The Whale

Children will immerse themselves in the narrative-The whale by Vita Murrow. They will focus on the use of noun phrases expanded by the addition of modifying adjectives and nouns/ prepositions to help them write descriptive settings for their own narrative. The children will also focus on the use of fronted adverbials to extend their writing further.

## Mathematics

### Numbers to 10,000

Children will explore mathematical concepts such as counting in hundreds, thousands, tens and ones. They will develop their understanding of place value which will then be used to compare and order numbers. Children will be given the opportunity to make number patterns, round numbers and use estimates.

### Adding and Subtracting to 10,000

Children will be taught to add and subtract with numbers up to 10 000. They will use the column method for addition and subtraction and they will also learn mental methods for addition and subtraction. Pupils will be encouraged to think about when is the most appropriate time to use each method. They will use the methods taught to solve word problems: visualising the problems using the bar model.

## Science

### Living things and their Habitats

Children will identify habitats and consider why their conditions are important for the animals living in them. They will then either describe habitats in their own words or explore a local habitat on the school grounds or in the wider community. Children will organise animals into groups according to some of their characteristics. They may then either continue to sort animals according to some of their own criteria or examine some animals and group them based on observations. Children will use classification keys to identify and sort animals into groups. They may also study a range of sources to find out about a particular group of animals. Children will identify a range of animals from different environments using classification keys. Children will use Venn Diagrams and Carroll diagrams to sort plants according to some of their characteristics. Some children may choose their own ways of sorting and classifying plants, too. They will consider ways in which animals living in environments are affected by human behaviour, then suggest ways in which we can help protect and sustain habitats.

### Scientific Enquiry

Use different ideas and suggest how to find something out.

Make and record a prediction before testing.

Plan a fair test and explain why it was fair.

Set up a simple fair test to make comparisons.

Explain why we need to collect information to answer a question.