



# Year 5

## Spring Term 2019



### Mathematics

Over the Spring term, the children will be focussing on fractions, multiplication and division. They will multiply and divide whole numbers and those involving decimals by 10, 100 and 1000, add and subtract whole numbers with more than 4 digits, including using formal written methods. Children will also be comparing, ordering and writing fractions including mixed numbers, improper fractions and equivalent fractions. They will learn to add, subtract and multiply fractions and understand that percent relates to "number of parts per hundred" and write percentages as a fraction and as decimals.

### Literacy

The children will be developing their reading and writing skills by studying the novel *Kensuke's Kingdom* by Michael Morpurgo. They will study poems based on being a castaway and create their own poem. They will also write diary entries, write character descriptions and meeting stories.

Towards the end of the term children will be studying Greek mythology, this will include poetry based around Greek myths and short stories.

### Physical Education

#### Spring 1: Net and Wall Games

The children will learn new skills, techniques and tactics which can be applied to sport scenarios and games. They will become more competent learners and will gain more confidence and a better understanding of Net and Wall games.

#### Spring 2: Invasion Games

The children will participate in the following invasion games: tag rugby, handball and football. They will develop their skills with and without possession. They will learn how to receive different balls with different techniques and look to create space when available. They will also be working towards developing sending skills with a variety of balls for different sports. The children will explore different tactics when playing invasion games and when they are best applied.

### Science

#### Spring 1: Life cycles

In this unit the children will learn about the life cycles of plants, mammals, amphibians, insects and birds. They will look at the development of different animals from conception to adulthood and metamorphosis in insects. The children will explore reproduction in different plants and different methods of seed disposal.

#### Spring 2: Lets get moving

In this unit the children will learn about balanced and unbalanced forces, gravity, friction and the use of mechanisms such as levers, gears and pulleys.

### Computing

#### Spring 1: Game Developers

The children plan their own simple computer game. They design characters and backgrounds, and create a working prototype, which they develop further based on feedback they receive.

#### Spring 2: Web Developers

The children will work together to create a website explaining e-safety and responsible online behaviour.

### Religious Education

#### Christianity:

The children will be studying Christianity this term. The focus will be on symbols, religious texts, Christianity at home and festivals, including the Easter story.

#### Physical, Social and Health Education

In PSHE the children will explore the wider world around them by watching and responding to issues, some of which will be on Newsround.

### Humanities

#### Ancient Greece

Children will be studying modern and Ancient Greece. They will locate Greece on maps and globes and discuss the landscape, climate and the type of crops that can be grown. Their knowledge of climate and landscape will then be used to begin an investigation of Ancient Greece, which will include: Greek City States, war and weapons, Hoplites, Greek religion, clothing, Olympic Games, art and democracy.

### Design and Technology

#### Moving Toys

The children will learn how simple cam mechanisms work and will then design and make a moving toy using this knowledge. Your child will need a shoebox. Please can they bring one into school for them to use.

### Spanish

**Home:** children will be learning about different rooms in a house, future tense and directions. Children will be designing a future house.

**Present tense:** Children will be learning how to use verbs such as *ar, er, ir*.

### Music

Children will be exploring tempo, pitch, and rhythm by listening to and making music using their voices and instruments. Children also take part in a weekly singing assembly.

### Other Information

**Homework** is handed out on Thursday and is due in on the following Monday.

**Reading records** are collected and checked on a Monday. Please ensure all home reading is recorded and an adult has signed the book, house points are rewarded for PE is on a Thursday.

### Useful Websites/Resources

<http://www.bbc.co.uk/bitesize/ks2/>

<https://trockstars.com/>

<http://uk.mathletics.com/>