

# Curriculum Overview

Year 5  
Autumn 2 2022



## Key Areas of Learning

As **Scientists**, we will be learning about 'Properties and Changes of Materials'. In this topic, we will be investigating different materials and thinking about what they are used for based on their properties. We will also investigate thermal conductors and insulators, electrical conductors and insulators as well as dissolving.

As **Design Technologists**, we will be learning about bridges. We will begin by researching different types of bridges and examples of these from around the world. We will then design and create our own bridges before evaluating our designs.

As **Geographers**, we will be learning about the oceans. Firstly, we will learn about the oceans and seas of the world before looking at the ocean in more detail. We will learn about the layers of the ocean, the human uses of the ocean and the problems the ocean faces as a result of human activity. This will link to our English lessons in which we will be writing an explanation text about climate change.

### ENGLISH

The book we will be focusing on, in our Power of Reading lessons, this half term will be Dark Sky Park Poems by Philip Gross. In our Writing lessons, we will be exploring explanation texts. We will focus on organising our text to engage and guide the reader as well as using causal conjunctions to explain a process clearly.

### MATHEMATICS

In Maths we will first be learning about graphs and charts with a focus on interpreting graphs. We will then move on to multiplication and division in which we will use formal written methods and then move on to answering word problems.

### RE

In RE our key question are:  
'How can following God bring freedom and justice?'  
'Why is light an important symbol at Christmas?'

### PSHE

In PSHE we will be focusing on 'Celebrating Differences' which includes learning about other cultures and strategies to reduce conflict.

### Computing

We focused on computing last half term when we planned our own interactive game. We will revisit computing in the spring term.

### PE

In PE we are working to create sequences of movement in gymnastics. We are also learning how to attack and defend in invasion games.

### Music

We will be focusing on the song 'Livin' on a Prayer' by Jon Bon Jovi. We will be singing and playing the glockenspiel.

### French

In topic in French this half term is 'Eating Out'. We will learn new vocabulary and participate in role plays.

### Our Class Value

Our class value is 'Forgiveness' – we are thinking about how important it is to be forgiving when someone makes the wrong choice and also to ask for forgiveness when we make mistakes.

### Curriculum Enrichment

Linked to our Science topic of 'Properties and Changes of Materials' we will be carrying out various investigations to understand more about dissolving, thermal conductors and electrical conductors.

### Weekly Homework

Homework is set every Friday on Purple Mash. We have spellings to learn for a dictation test the following week and can practise using the quiz. We also use Times Table Rock Stars to practice our multiplication facts.

### Homework Project

Our optional homework project is for the children to choose from any of the topics we are covering this half term – they can produce a piece of work of their choice using any style or medium they would like to work with – all details are on Class Dojo.