



# Oak Class - Curriculum Overview

Autumn 2 - 2021

## English

Our English learning will be made up of a combination of grammar, spelling, reading, handwriting and composition work.

We have dedicated reading journals to explore a range of ERIC skills – E(explore) R(retrieve) I(Interpret) C(choice). In these sessions we will be looking at 'The Boy in the Tower' by Polly Ho-Yen which explores a lot of sensitive issues and creates a lot of discussion! In addition to extracts from a variety of fiction and non-fiction texts.

Our writing will focus on **explanatory texts** – explaining those every-day machines in unusual ways! We will then move to investigating **warning stories** and as always our TfW units will start by learning an oral story, developing a toolkit, boxing up a model and then innovating our own examples.

In addition, we will be looking at poetry, specifically **poetry linked to new technology** to support our Big Question.

## Design Technology (DT)

### Will robots replace people?

By popular request, we are going to look at creating control systems and using different circuit boards to create specific functions. The idea is to examine the idea of artificial intelligence and explore the concept of simple robotic machines and the logic systems required to perform repeated actions.

## MFL (Spanish)

This half term we will focus on examining regular verbs and using them in conversations.

## Science

### How can we control electricity?

During this question we will create and represent a variety of circuits. We will look at ways to change the brightness of a bulb, controlling different variables and generate a set of accurate data from which we can interpret patterns and draw conclusions.

## Home Help

Please support your child by talking to them about their learning in school. Please read and discuss texts with your child as regularly as possible. Reading records are checked each Thursday and there is a spelling test each Friday.

## Geography

### Should we all learn Chinese?

As we move through this question we will develop our understanding of the human and physical features of China. We will look at the objects manufactured there and consider why so many products originate from China. Lots of map work is essential!

## PSHE and Religious Education

In our **PSHE** unit of work we will be developing our understanding of citizenship which will involve recognising our own strengths and skills and understanding how we can utilise them to support others.

In our **RE** lessons, we will be investigating the question: **How significant is it that Mary was Jesus' mother?**

## Mathematics

Our maths topics this half term will include:

**Fractions** – simplifying fractions, finding equivalences, comparing and ordering fractions. We will add, subtract, multiply and divide fractions. Then we will link that knowledge to exploring decimals and percentages.

**Geometry** – exploring reading and plotting co-ordinates in the four quadrants. Translating and reflecting shapes across the quadrants, revising the names of key polygons.

Each session aims to reinforce learning with fluency questions and then we encourage the children to apply that learning to a context to develop reasoning and problem-solving skills. It would be useful if you could continue to support the recall of key multiplication facts and link them to division, especially the seven, eight and twelve times-tables. We have also looked at square numbers, cube numbers and finding factors and multiples. The Top Marks website has some useful links to quickly recall these facts.

## Computing

We will continue to develop our understanding of coding using a variety of different software packages, including those on Purple Mash so use this resource at home to keep skills active.

## Physical Education

On Thursday and Friday afternoons, we will have our sessions with Active Sports.

Please ensure appropriate outdoor PE kits are in school.