

### Dates for your diary:

Bike Ability at Damerham- 8<sup>th</sup>/9<sup>th</sup> January  
Wales/ SATs meeting-Tuesday 20<sup>th</sup> January  
Parent Consultations- 10<sup>th</sup>/ 12<sup>th</sup> February

### Routes to Roots



**Oak Class: Does trade benefit everyone equally?**

### Maths:

This term learning is largely based around fractions, decimal, percentages; ratio and algebra which **can be quite a challenge without multiplication and division facts.**

In addition, we will study properties of shape, angles and statistics.

### Facts to learn:

Equivalence between fractions, decimals and percentages.

Recall of multiplication and division facts so that relationships between numbers and be identified.

Conversions between metric units of measurement:

1km= 1000m

1kg=100g

1litre=1000ml

1m=100cm

1cm=10mm

### Key Vocabulary to discuss:

Fraction, decimal, percentage.

Percent= out of 100

Equivalence

For every

### Science: Sound and The Circulatory System

We will learn about sound: describing sound, how sound is made and travels and pitch and volume changes.

Vocabulary will include: pitch, frequency, vibrations, and amplitude.

We will look at the circulatory system, the role of the heart, the lungs and blood which carries nutrients and oxygen around the body.

We will be carrying out investigations to answer the scientific questions we have devised and work in a scientific way to suggest a hypothesis, ensure our testing is fair, collate results, describe and analyse data and reach a conclusion.

### English

We will begin the term by completing our unit on The Wonder Garden.

Our main narrative focus is around how authors write to imply danger and threat. Our class reader will be Stormbreaker by Anthony Horowitz. Often listening to this novel will be set as home learning, so your support with this would be appreciated.



In the second half of the term we will begin by writing a leaflet persuading our reader to visit Baghdad. This will develop their persuasive techniques as well as revising learning from the autumn term.



Our narrative writing will be based around The Arrival: a story written without words. It deals with the issues of immigration and why people choose to leave their homelands. We will write for a variety of purposes from narrative, to diary writing.

### Ideas for reading:

The Breadwinner- Deborah Ellis

The Boy at the Back of the Class-Onjali Q Raúf

Azzi in Between- Sarah Garland

The Silver Sword- Ian Seraillier

Shadow- Michael Morpurgo

Nadine Dreams of Home- Bernard Ashley



## **Geography**

We will look at how trade operates at local and global scales, paying particular attention to the global supply chain describing how Peru, Turkey and India are linked through the trade of cotton. We will look at how climate impacts on what can be traded, how economic activity impacts on the wealth of a country and the main imports and exports to/from the UK.

As well as looking at atlases, games are a great way to do this, for example: <https://world-geography-games.com/> and <https://worldle.teuteuf.fr/> is challenging fun too!

**Art:** We will use The Arrival by Shaun Tan to inspire cityscapes, thinking particularly about line, shape and space.

**RE:** In RE we will focus on Islam looking in particular at the way Muslims find peace. We will then focus on the resurrection through our study of Christianity.

**PSHE:** In our Happy Minds unit called appreciate, we will look at gratitude and how we can use this to help us through difficult times. Expressing opinions and respecting other points of view, including discussing topical issues. Influences and attitudes to money; money and financial risks.

**Computing:** We will use Scratch to create a variable on a game. We find out what variables are and relate them to real-world examples of values that can be set and changed. Then we will use variables to create a simulation of a scoreboard. Finally, we will apply knowledge of variables and design to improve games in Scratch. In online safety, we will consider, online reputation, online bullying and managing online information.

**PE:** We will be focusing on two areas: fitness and rugby. In fitness, we will look at how exercise releases endorphins, to create a feeling of wellbeing and how it can also reduce stress and anxiety, improve sleep and give you more energy. Tests will develop the following: agility, balance, co-ordination, speed, stamina and strength. In rugby we will discuss the skills needed in an invasion game paying attention to making quick decisions about when, how and who to pass to will help you to maintain possession and transitioning quickly between attack and defence will help your team to maintain or gain possession.