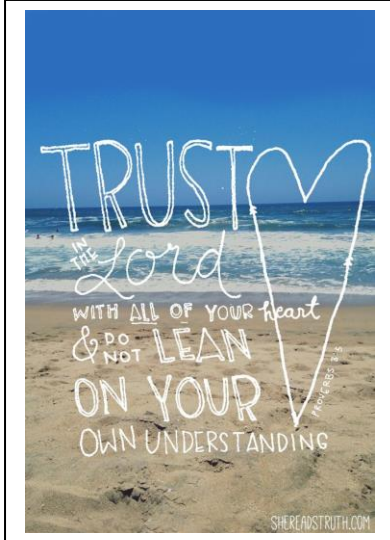


Topic Map: Year 3

Term: Summer 2



DT – Mechanical systems

Children will be looking at mechanical Systems this term with a focus on Pneumatic toys.

The children look at and research different mechanical toys and look at how they work.

They will design and create a toy with a pneumatic system, learning how trapped air can be used to create a product with moving parts.

Music – Three little birds

(Listen and appraise, music games, composition and improvisation, play and perform.)

Children will listen and appraise a variety of reggae songs. They will learn to play the glockenspiel, focusing on technique, pitch and rhythm, and will play, compose and improvise, creating a class performance of Three Little Birds

PE

Hockey

Pupils will learn to contribute to the game by helping to keep possession of the ball, use simple attacking tactics using sending, receiving and dribbling a ball. They will be encouraged to be a supportive teammate and identify why this behaviour is important.

Golf

Pupils will develop the skills and apply them to striking, chipping, putting, and playing a short and long game. They will develop their coordination, accuracy, and control of movements. These lesson plans will enable teachers to provide pupils with activities that help them understand the principles of the golf game and develop fluid movements that can be used in game situations.

R.E – Choices / Special Places

By the end of this topic children will be able to **retell** the stories about special places for Jesus and describe some ways in which religion is lived out by Christians in terms of pilgrimage and worship.

Class Novel/Book

We will be reading 'The Twits' by Roald Dahl.

Computing - Coding

Children will continue working through Code Studio to develop their coding skills, looking at creating loops in their code and multi-step lines.

PSHCE – Changes

Developing confidence and responsibility and making the most of their abilities.

Preparing to play an active role as citizens.

To face new challenges positively by making responsible choices.

English

Poetry – language play

Children will be covering poetry involving language play. They will read a variety of poems and perform so of the poems they read. They will write their own poems based on ones they have read.

Fiction – Plays and Dialogues

Children find key features of plays and dialogues and use this knowledge to create and perform their own short play script. They will spend time learning a play as well as different dialogues and use drama skills and techniques to perform these in groups to the class, building confidence with speaking and listening. They will learn how to correctly layout and punctuate a play and a dialogue and recognise the differences between them.

Creative Writing

Children will have a two week block of creative writing where they will be writing all sorts of different genres such as information texts, reports, descriptive settings and narratives.

Mathematics

Fractions

Children will begin the unit by counting using fractions and then making number pairs (the fraction equivalent to number bonds) before moving on to adding and subtracting fractions. Children will explore equivalent fractions and look at simplifying fractions before comparing fractions with different denominators. Towards the end of the unit, children will be finding fractions of whole numbers as part of set and looking at sharing 1 and more than 1. The units wraps up by applying content knowledge to sophisticated word problems.

Perimeter

Children will begin the unit by measuring the total length around a shape before moving onto grid paper to measure the combined lengths of each side. Children will be calculating perimeter by adding all of the lengths together and ending the unit by calculating the perimeter of a rectangle with unknown sides that need to be determined.

Lines and shapes

This unit has children exploring the different types of lines in addition to properties of shapes, both 2- and 3-D. To begin the unit, children will be identifying perpendicular and parallel lines, followed by horizontal and vertical lines. Children move on to describing 2-dimensional shapes and drawing them before making 3-dimensional shapes using nets and clay.

Science

Forces and Magnets

Children will compare how things move on different surfaces noticing that some forces need contact between two objects.

They will observe how magnets attract or repel each other and compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet.

They will identify some magnetic materials, describing magnets as having two poles and make predictions as to whether two magnets will attract or repel each other, depending on which poles are facing.

Working Scientifically

They will suggest ways of making a test fair or if it can't be fair how they could answer it by looking for patterns. Children will also start to make suggestions for which type of data they will need to collect.

They will apply their maths knowledge and use simple standard measures; m, cm, mm, kg, g, cm³, minutes, seconds, Newtons. They will measure to the nearest whole or half unit when reading scales to the nearest division both labelled and unlabelled.

They will record their data by constructing simple two column table and by drawing bar charts to different scales.

Finally, they will learn to give explanations for observations and simple patterns based on everyday experience and through what they have investigated.