

MATHS

In maths we will continue to look at different calculation methods for addition, subtraction, multiplication and division. They will study properties of shape which will include measuring angles using a protractor. In our measure topic the children will convert between different units of metric measure and they will use approximate equivalences between metric units and common imperial units such as inches, pounds and pints. The children will read co-ordinates, look at reflections and translation of shapes. Later in the term we shall spend some time on decimals. Arithmetic and number club assessments will take place on a weekly basis.

ENGLISH

In reading we will continue to develop the VIPERS skills using a range of age-appropriate texts. There will be choral, echo and individual reading opportunities as well as encouraging reading for pleasure.

In writing the following genres will be covered this term:

Non-chronological reports, argument and debate, short stories and poetry on a theme. Grammar skills this term include punctuation for parenthesis, use of descriptive writing for setting and character, and technical vocabulary. Spellings and handwriting will be taught weekly.

The children will apply spelling, punctuation and grammar skills taught in cold and hot tasks.

SCIENCE

In science we will first explore the topic of Forces in Action. We will look at the concepts of gravity, friction between moving surfaces, air resistance and water resistance. We will then investigate how levers and pulleys allow a smaller force to have a greater effect and look at the relationship between gears and forces. We will then relate our findings to everyday mechanisms. Our second area of study will be

Changes and Reproduction. The children will draw comparisons between the development of humans and other animals. Then consider the stages of development during childhood and understand how the body changes during adulthood and into old age.

GEOGRAPHY

In geography our topic is Investigating Rivers. We will begin by explaining and understanding the water cycle. The children will find out about rivers, how they erode, transport and deposit materials.

We will be using our research skills to find out why rivers are important, and consider the causes of river pollution and the effect it has on the environment. An in-depth study of a local river during a geography field trip will form part of our learning. Finally, we will find out about the major rivers in the UK.

MFL

In French the children will develop an understanding of new vocabulary, use these words in sentences and have the opportunity to practise conversational French. Our first theme this term is A School Trip and following on we will look at The Environment.

Year 5 Summer Term 2022

HOME LEARNING

For your home learning, each week number clubs and spellings shall be sent to practise at home. To help us build on the children's learning inside the classroom, there are a few projects that you can complete. These projects are based on different subjects covered in school, or children could choose to decide upon their own project linked to school learning.

- *Art and Design—Create a painting in the style of Leonardo da Vinci*
- *Geography—Carry out your own river study OR make a water cycle model.*
- *Design and Technology —Make a model of a moving toy*
- *Science—Design an experiment to show air resistance*

We are hoping to have a homework showcase. Could projects be completed by the week beginning 4th July. If we are able to host a homework showcase, further information will be shared closer to the time.

P.E.

In P.E. the children will further develop their range of skills through dance, gymnastics, athletics, and striking and fielding games. Year 5 PE will take place on Wednesdays.

COMPUTING

The children will explore spreadsheets using Microsoft Excel and then use 2Design and to look at and make packaging.

DESIGN AND TECHNOLOGY

In design and technology the children will be exploring moving toys. The children will investigate different types of cam mechanisms and make links to car manufacturing in the area. They will plan, design and create a moving toy.

ART AND DESIGN

In art the focus will be Leonardo da Vinci and what he was famous for during the Renaissance Period. The children will learn about his use of perspective and composition in his religious paintings and explore inventions designed by Leonardo da Vinci.

PSHE

In order to support the children in their learning, we will revisit resilience. They will then look at positive relationships before moving onto hazards in the environment and ways of keeping safe. The children will learn the skills needed in an emergency situation.

LEARNING SKILLS

We will focus on memory and learn a range of skills to help us to develop our capacity for remembering things that we have learned.