

Year 5 Spring Curriculum Outline

I would like to take this opportunity to welcome the children back to school after the holidays and wish you all a Happy New Year!

Outlined are the main topics that we will be learning about this Autumn Term. The learning intentions are taken from the 2014 National Curriculum.

Those children who exceed these national expectations will be given further enrichment activities that allow them to broaden and deepen their understanding; whilst others who are working towards these national expectations and will be given necessary support.

English

This term, we will begin by linking our work in English to the environment and sustainability. One of the key areas we will look at in Year 5 is persuasion within our English work which will be approached through different contexts such as written arguments and spoken debates. We will use the 'A Planet Full of Plastic' by Neal Layton as a form of inspiration to explore environmental issues (on both a local and global scale). After the half-term, our English lessons will take a space-themed focus when we read the novel "Cosmic" by Frank Cottrell Boyce. This is a lovely story about a boy called Liam who ends up going to space! We will link this to our other work on Earth and Space.

The children will be thinking about persuasion and will be writing a variety of persuasive texts this term.

Our key objectives will be:

To maintain positive attitudes to reading and understanding of what they read by:

- identifying and discussing themes and conventions in and across a wide range of writing
- drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence

Pupils should be taught to:

- continue to distinguish between homophones and other words which are often confused
- use dictionaries to check the spelling and meaning of words

Pupils should be taught to draft and write by:

- identifying the audience for and purpose of the writing, selecting the appropriate form and using other similar writing as models for their own

Mathematics

Our key objectives for Maths will be:

- solve comparison, sum and difference problems using information presented in a line graph
- complete, read and interpret information in tables, including timetables
- compare and order fractions whose denominators are all multiples of the same number
- identify, name and write equivalent fractions of a given fraction, represented visually, including tenths and hundredths
- recognise mixed numbers and improper fractions e.g. $\frac{2}{5} + \frac{4}{5} = \frac{6}{5} = 1\frac{1}{5}$
- add and subtract fractions with the same denominator, and denominators that are multiples of the same number
- multiply proper fractions and mixed numbers by whole numbers, supported by materials and diagrams
- read and write decimal numbers as fractions [for example, $0.71 = \frac{71}{100}$]
- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- round decimals with 2 decimal places to the nearest whole number and to 1 decimal place
- read, write, order and compare numbers with up to 3 decimal places
- solve problems involving number up to 3 decimal places
- recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per 100', and write percentages as a fraction with denominator 100, and as a decimal fraction
- solve problems which require knowing percentage and decimal equivalents of $\frac{1}{2}$, $\frac{1}{4}$, $\frac{1}{5}$, $\frac{2}{5}$, $\frac{4}{5}$ and those fractions with a denominator of a multiple of 10 or 25

RE

People of God

This term, we will be considering the story of Moses and what this can tell us about freedom and justice. Our big question will be: How can following God bring freedom and justice?

Salvation

As we move towards Easter we will be asking "What did Jesus do to save human beings?" Much of our learning will be based around the Easter story as it is written in the Gospels.

History

This term, the children will be learning about the events that led to man landing on the moon. The children will find out about the space race of the 1960s and the countries that were involved. We will consider how we know about history and the veracity of the information we find. The children will continue to explore and consider the reliability of these different sources of information and what may deduced or inferred.

Geography

After the half-term, the children will be learning about the geography of the British Isles with a particular focus on Wales. They will be able to identify both physical and human features of Wales to develop their understanding of the United Kingdom.

PSHE

Aspects of e-safety are taught throughout the year in ICT and PSHE. In addition, our 'Coram Life Education - SCARF' scheme of work will be used to help the children look at aspects of *Keeping Myself Safe* (including online safety) and then next term the children's focus turns to their *Rights and Responsibilities*.

Music

This term, the children will begin by focusing on the *Blues Music*, where they will learn about the key features of this music. Once introduced to the chords they will get to sing and play along. Then next term our musical focus turns to *West and South Africa*.

Art and DT

This term, the children will look at how pictures have been used throughout history to record important events. They will also focus on environmental art and artists, before making some of their similarly inspired creative pieces. After the half-term break, the children will be making moving toys with CAMs mechanisms which will have a Space theme.

French

The children will move on to the next stage in the 'Euro Stars' programme. The next theme, this term, is 'En route pour l'école'. The theme of *On The Way To School* will be used when developing the *presentation of ideas orally to a variety of audiences, engaging in conversations, and pronunciation*. Then after the half-term break French 'Les planètes' ties in beautifully with our cross-curricular learning as the theme of *the planets* will be used when *developing vocabulary, using a dictionary, building sentences*.

Science

Earth and Space

The children will learn about our Solar System with a particular focus on the Earth, Sun and Moon.

Pupils should be taught to:

- describe the movement of the Earth, and other planets, relative to the Sun in the Solar System
- describe the movement of the moon relative to the Earth
- describe the sun, Earth and moon as approximately spherical bodies
- use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky

Forces

The children will learn about the variety of forces that act on moving objects.

Pupils should be taught to:

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- recognise that some mechanisms including levers, pulleys and gears allow a smaller force to have a greater effect

PE

We will begin this term, by practising and fine-tuning our *gymnastics* and *basketball* skills. After the half-term, we will turn our focus to *cricket* and *netball*. Over the course of the term, we will also get the opportunity to partake in competitive matches. Our PE lessons are on a Tuesday and Thursday this term. Your child will need to be prepared for both indoor and outdoor PE each week and should have track suit trousers, as well as a change of shoes and socks.

Computing

This term the children will be introduced to *cryptography* (the science of keeping communication and information secret). They investigate early methods of communicating over distances, learn about two early ciphers, and consider what makes a secure password. Then after the half-term, the children will combine their artistic and computer skills and use technology to make some *architectural* designs.