

Year 5 Curriculum – Spring Term 2019

We shall be following the National Curriculum and will link work to other areas of the curriculum wherever possible. There will be an on-going emphasis on presentation skills and the use of cursive script.

ENGLISH

Non Fiction – Journalistic reports

During this unit of work we will explore a range of non-fiction writing styles such as newspaper reports, articles and blogs. We will be developing our skills of note taking in different situations and drawing out all the facts, informal and formal written texts and oral presentation skills. Some of the specific skills that we will cover include use of bullet points, formal and informal tone, use of brackets and other parenthesis along with reinforcing persuasive written presentation skills.

Narrative – including play scripts

We will be using our imaginations to enrich writing through acting and ultimately writing play scripts. Influences such as Shakespeare will be used along with modern play-writes to compare and contrast structure and techniques. Skills covered will include plotting and pacing of narratives, inclusion of differing characters, creating personas and editing and improving written work.

We will also work on:

- Speaking competently and creatively for different purposes and audiences.
- Using dictionaries and thesauruses routinely.
- Developing editing skills in texts.
- Note taking and turning notes into formal texts and vice versa.
- Using different mediums to present our work, including iPads and laptops.

GRAMMAR, PUNCTUATION & SPELLING

During our GPS sessions this term we will be focusing on the spelling of the year 5 curriculum word list as well as other high frequency words. We will also be covering the use of fronted adverbials, relative clauses, verb inflections, modal verbs and types of clauses in sentences.

MATHS

Not all children will cover everything outlined below as work will be tailored to their individual needs.

We will be covering the year 5 objectives in multiplication & division and fractions (including decimals & percentages):

Multiplication and Division:

- Identify multiples and factors, including finding all factor pairs of a number, and common factors of 2 numbers.
- Know and use the vocabulary of prime numbers, prime factors and composite (non-prime) numbers.
- Establish whether a number up to 100 is prime and recall prime numbers up to 19.
- Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for two-digit numbers.
- Multiply and divide numbers mentally, drawing upon known facts.
- Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.

- Multiply and divide whole numbers and those involving decimals by 10, 100 and 1,000.
- Recognise and use square numbers and cube numbers, and the notation for squared (2) and cubed (3).
- Solve problems involving multiplication and division, including using their knowledge of factors and multiples, squares and cubes.
- Solve problems involving addition, subtraction, multiplication and division and a combination of these, including understanding the meaning of the equals sign.
- Solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates.

Fractions (including decimals & percentages):

- 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 and convert from one form to the other and write mathematical statements greater than 1 as a mixed number
- 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
- Recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- Round decimals with two decimal places to the nearest whole number and to one decimal place
- Read, write, order and compare numbers with up to three decimal places
- Solve problems involving number up to three decimal places
- Recognise the per cent symbol and understand that per cent relates to 'number of parts per hundred', and write percentages as a fraction with denominator 100, and as a decimal
- 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.

Statistics

- Solve comparison, sum and difference problems using information presented in line graphs
- Complete, read and interpret information in tables, including timetables

SCIENCE

Animals including humans

- describing the changes as humans develop to old age

Living things and their habitats

- describing the differences in the life cycles of a mammal, an amphibian, an insect and a bird
- describing the life process of reproduction in some plants and animals.

TOPIC - MAKING THE NEWS: PRINT, BROADCAST AND ONLINE JOURNALISM

In History, we'll be finding out:

- How news and information was communicated in the past
- About the key inventions that have helped us to communicate
- How news reporting has changed through time
- About news as a source for finding out about the past

In Technology, we'll be finding out:

- How we can storyboard and film our own news report

In Society, we'll be finding out:

- About photojournalism and its impact on the lives of well-known people

In International, we'll be finding out:

- How an event/crisis is reported in the news
- About current news from our host country and home countries

Topic– WEATHER AND CLIMATE

In Geography, we'll be:

- Finding out about weather and climate in different parts of the world;
- Finding out how human activities in different regions are affected by weather and climate
- Producing our own weather forecasts;
- Finding out how clouds are formed;
- Finding out about the water cycle;
- Finding out about some extreme weather records.

In Technology, we'll be:

- Designing and building our own weather station instruments;
- Finding out about the different types of modern technology used to measure weather.

In International, we'll be:

- Finding out about climate and environmental problems in our home and host countries;
- Finding out what simple things we can do to help improve our environment.

COMPUTING

We will be using a Curriculum which aims to broaden the children's skills in line with the modern world of technology. In the first half term we will be studying a topic called: **We are web designers**. We will be refreshing our knowledge on internet safety, evaluating web pages and developing our skills on instructions to help design a webpage.

During the second part of the term we will study the topic: **We are data loggers**. We will be exploring and developing our skills with Scratch learning how to cipher by encrypting, decrypting and will also be looking at how use semaphore and binary works.

RE

In the first part of the term we will be exploring the religion of Hinduism, the main festivals and key beliefs, relating it to our own personal beliefs. In the second part of the term we will focus on the Christian event of Easter, how this is important to Christians across the world and how it is celebrated in these areas. We will discover how this influences our conscience and life choices.

PE & Games

In outdoor PE we will be starting the term with hockey, then following on with rounders. This will help the children refine their tactical skills of positioning teamwork. During indoor PE we will focus on basketball and dance, increasing skills and abilities which will provide appropriate challenges for all pupils.

PSHE

In our first term we will be looking at our **Dreams and goals**. We will discuss different jobs, the idea of dream jobs and how jobs help in everyday life. Also we will develop an understanding of jobs around the world and find out why different countries have different job aspirations.

In our second term we will focus on **'Healthy me'**. We will discuss how choices in what we do and eat can affect our bodies both in positive and negative ways.

FRENCH

In year 5 the children will continue to improve upon their knowledge of French culture and extending their vocabulary in their weekly lessons. Their lessons will be linked to their IPC topics as often as possible.

MUSIC

Our weekly music session will give children the opportunity to use a variety of instruments and their voices. They will also get the opportunity to sing once a fortnight during our choir sessions. Again these sessions will be linked to our IPC topics as often as possible.

Any items you have at home to support or enrich our work would be welcome. Please feel free to talk to us about any way you think you could support us. We look forward to an exciting and fun term.