

## Year 3 & 4 Spring Term 1 Topic Web 2022 – MAGIC, POTIONS & SPELLS

### MUSIC

#### Plays

Use their voices expressively by singing songs and speaking chants and rhymes  
Rehearse and perform with others  
Explore and express their ideas and feelings about music using movement, dance and expressive and musical language

### DT

To join different textiles in different ways  
To choose textiles considering appearance and functionality  
To think about user when choosing textiles  
To think about how to make product strong  
To begin to devise a template  
To understand that a simple fabric shape can be used to make a 3D textiles project

### COMPUTING

To recognise that an 'algorithm' is a specific set of instructions used to control a function.  
To follow a simple algorithm.  
To know that algorithms have to be accurate in order to work properly  
To understand how computers process commands.  
To know my actions can move an object on screen.  
To change variables to accomplish specific goals  
To use sequence, selection, and repetition in programs;  
To work with variables and various forms of input and output  
To use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs

### PSHCE

To recognise their own worth and identify positive things about themselves and others  
To be able to identify skills they need to and would like to develop  
To experience learning a new skill as a class and to reflect on that process.  
To understand and practise some skills of a good communicator, including effective listening skills, confident expression of opinions and questioning skills  
To understand and develop effective group work skills, including problem solving and decision making  
To know how different people can contribute in different ways to a group task

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### ART

To explore pattern in the environment  
To experiment with the potential of various pencils  
To develop techniques – apply colour using dotting, scratching and splashing  
Use sketchbook for recording textures/patterns  
To make patterns on a range of surfaces  
To shape, form, model and construct (malleable and rigid materials)

### FRENCH

To learn to greet others in French; to say numbers up to 10 and learn basic vocabulary around school and family life

### SCIENCE

To identify solids, liquids and gases  
To sort materials into groups according to their properties  
To compare and group materials together, according to whether they are solids, liquids or gases  
To observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)  
To identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature  
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To apply communication and group work skills in a real situation

### GEOGRAPHY

#### (Hot and cold areas of the world)

To identify the position and significance of the Equator, Northern Hemisphere, Southern Hemisphere in the context of researching countries on different hemispheres  
To identify the position and significance of latitude and longitude in the context of using co-ordinates to read maps  
To identify the position and significance of the Arctic and the Antarctic circle in the context of comparing Polar Regions to the UK  
To identify the position and significance of the Tropics of Cancer and Capricorn by comparing the climate of the tropics with that of the UK  
To identify the position and significance of the Prime/ Greenwich Meridian by exploring countries on the Meridian Line.  
To identify the position and significance of time zones (including day and night) by comparing times in different countries.

### RE

#### Chinese New Year and Christianity (The Church Year, including Easter)

To describe the key aspects of religions, especially the people, stories and traditions that influence the beliefs and values of others  
Investigate the significance of religion in the local, national and global communities

### PE (Dance & Hockey)

#### Dance

Create and perform dances using a range of movement patterns, including those from different times, places and cultures.

#### Games (Netball and Hockey)

Play small sided and modified competitive net, striking/fielding and invasion games.

**MATHEMATICS (1<sup>st</sup> half term)**

**Number – addition & subtraction:**

Add and subtract numbers mentally, including:

- a three-digit number and ones
- a three-digit number and tens
- a three-digit number and hundreds

Add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction

Estimate the answer to a calculation and use inverse operations to check answers

Solve problems, including missing number problems, using number facts, place value, and more complex addition and subtraction.

Explore the expanded method for addition and subtraction

Work out how to add pounds and pence together and how to subtract pounds and pence from pounds.

**Number – multiplication & division:**

Recall and use multiplication and division facts for the 3, 4, 8 & 10 multiplication tables

write and calculate mathematical statements for multiplication and division using the multiplication tables that they know, including for two-digit numbers times one-digit numbers, using mental and progressing to formal written methods

**Number - Multiples:**

Explore Multiples found within the 3, 4, 5, 8 and 10 multiplication tables. Identify the connection between multiples and between multiplication and division

**ENGLISH (1<sup>st</sup> half term)**

**Reading:**

Reading books that are structured in different ways and reading for a range of purposes

Using dictionaries to check the meaning of words that they have read  
Increasing their familiarity with a wide range of books, including fairy stories, myths and legends, and retelling some of these orally

Identifying themes and conventions in a wide range of books

Preparing poems and play scripts to read aloud and to perform, showing understanding through intonation, tone, volume and action discussing words and phrases that capture the reader's interest and imagination

Recognising some different forms of poetry [for example, free verse, narrative poetry]

**Reading Comprehension:**

Understand what they read, in books they can read independently, by:

- checking that the text makes sense to them, discussing their understanding, and explaining the meaning of words in context
- asking questions to improve their understanding of a text
- drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- predicting what might happen from details stated and implied
- identifying main ideas drawn from more than 1 paragraph and summarising these
- identifying how language, structure, and presentation contribute to meaning

Retrieve and record information from non-fiction

Participate in discussion about both books that are read to them and those they can read for themselves, taking turns and listening to what others say

**MATHEMATICS (2<sup>nd</sup> half term)**

Solve problems, including missing number problems, involving multiplication and division, including positive integer scaling problems and correspondence problems in which n objects are connected to m objects.

**Number – Fractions:**

Count up and down in tenths; recognise that tenths arise from dividing an object into 10 equal parts and in dividing one-digit numbers or quantities by 10.

Recognise, find and write fractions of a discrete set of objects: unit fractions and non-unit fractions with small denominators

Recognise and use fractions as numbers: unit fractions and non-unit fractions with small denominators.

Recognise and show, using diagrams, equivalent fractions with small denominators.

Add and subtract fractions by working out the denominators

Explore equivalent fractions

**Number – Rounding:**

Rounding numbers to the nearest 10, 100 and 1000

**Measure – Angles and turns:**

Explore right angles by using a protractor to work out 90° of given 2-D shapes

Explore how to solve different turns

**Measure – Telling the time:**

Work out the time on an analogue clock face and on a digital clock (12 and 24 hour)

Convert the time from an analogue clock to a digital clock

Work out the length of time it takes to complete a task

Work out time word problems

**ENGLISH (1<sup>st</sup> & 2<sup>nd</sup> half term)**

**Grammar:**

Extending the range of sentences with more than one clause by using a wider range of conjunctions, including: when, if, because, although  
Using the present perfect form of verbs in contrast to the past tense  
Choosing nouns or pronouns appropriately for clarity and cohesion and to avoid repetition

Using conjunctions, adverbs and prepositions to express time and cause  
Using fronted adverbials

**Writing – Composition:**

Organising paragraphs around a theme

Evaluate and edit by:

-assessing the effectiveness of own and others' writing and suggesting improvements

-proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences

-proofread for spelling and punctuation errors

-read own writing aloud to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear

**Non-fiction: Instructions, biographies and explanations:**

Listen to non-fiction and reference texts

Participate in discussions and presentations

Select and use appropriate voices for effective communication

Retrieve and record information from non-fiction texts

Read books that are structured in different ways and for a range of purposes

Identify main ideas drawn from a text and summarise these using simple organisational devices [for example, headings and sub-headings]

**Fiction:**

Increase familiarity with a wide range of books, retelling some of these orally, planning and then rewriting the story  
creating settings, characters and plot

Discuss words and phrases that capture the reader's interest and imagination

Create own stories by planning and then writing the story and writing out a **play script** to perform