



The Creative Learning Journey

All wired up! Woodpeckers

Wow Starter: Receiving a 'birthday present' to unwrap just like Omri from 'The Indian in the cupboard.'

Final Event: Playing each other's SCRATCH games that we have invented.



MATHEMATICS AND COMPUTING

Number - number and place value LKS2

- m116 count in multiples of 6, 7, 9, 25 and 1000
- m117 find 1000 more or less than a given number
- m118 count backwards through zero to include negative numbers
- m119 recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
- m120 order and compare numbers beyond 1000
- m121 identify, represent and estimate numbers using different representations
- m122 round any number to the nearest 10, 100 or 1000
- m123 solve number and practical problems that involve all of the above and with increasingly large positive numbers
- m124 read Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.

Number - addition and subtraction LKS2

- m125 add and subtract numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- m126 estimate and use inverse operations to check answers to a calculation
- m127 solve addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Geometry - properties of shapes LKS2

- m149 compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- m150 identify acute and obtuse angles and compare and order angles up to two right angles by size
- m151 identify lines of symmetry in 2-D shapes presented in different orientations
- m152 complete a simple symmetric figure with respect to a specific line of symmetry.

LKS2

- ce14 I can design, write and debug simple programs to control or simulate physical systems
- ce15 I can solve problems by breaking them down into progressive steps
- ce16 I am aware that programs follow a sequence from one instruction to the next
- ce17 I can make a program select a particular set of instructions (using IF-ELSE-END)
- ce18 I can make a program repeat a set of instructions (using FOR-NEXT)
- ce19 I know that a variable is a piece of stored information (numbers or a 'string' i.e. a sequence of characters)
- ce20 I can use a variety of inputs (keyboards/keypads/switches) to enter data into a program

UNDERSTANDING THE WORLD

Working scientifically LKS2

- sc31 During years 3 and 4, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:
- sc32 asking relevant questions and using different types of scientific enquiries to answer them
- sc38 using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- sc39 identifying differences, similarities or changes related to simple scientific ideas and processes

- sc75 identify common appliances that run on electricity
- sc76 construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers
- sc77 identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery
- sc78 recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit
- sc79 recognise some common conductors and insulators, and associate metals with being good conductors.

Electricity LKS2

LITERACY

Reading - word reading LKS2

- e135 apply their growing knowledge of root words, prefixes and suffixes (etymology and morphology) as listed in English Appendix 1, both to read aloud and to understand the meaning of new words they meet
- e136 read further exception words, noting the unusual correspondences between spelling and sound, and where these occur in the word.

Reading - comprehension LKS2

- e138 listening to and discussing a wide range of fiction, poetry, plays, non-fiction and reference books or textbooks
- e142 identifying themes and conventions in a wide range of books
- e149 drawing inferences such as inferring characters' feelings, thoughts and motives from their actions, and justifying inferences with evidence
- e150 predicting what might happen from details stated and implied
- e151 identifying main ideas drawn from more than one paragraph and summarising these
- e152 identifying how language, structure, and presentation contribute to meaning

Writing - transcription - Spelling LKS2

- e155 use further prefixes and suffixes and understand how to add them (English Appendix 1)
- e157 spell words that are often misspelt (English Appendix 1)

• e165 discussing and recording ideas

- e166 draft and write by:
- e167 composing and rehearsing sentences orally (including dialogue), progressively building a varied and rich vocabulary and an increasing range of sentence structures (English Appendix 2)
- e168 organising paragraphs around a theme
- e169 in narratives, creating settings, characters and plot
- e171 evaluate and edit by:
- e172 assessing the effectiveness of their own and others' writing and suggesting improvements
- e173 proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences
- e174 proof-read for spelling and punctuation errors
- e175 read aloud their own writing, to a group or the whole class, using appropriate intonation and controlling the tone and volume so that the meaning is clear.

Writing - vocabulary, grammar and punctuation LKS2

- e176 develop their understanding of the concepts set out in English Appendix 2 by:
- e177 extending the range of sentences with more than one clause by using a wider range of conjunctions, including when, if, because, although
- e178 using the present perfect form of verbs in contrast to the past tense
- e179 choosing nouns or pronouns appropriately for clarity and cohesion and to avoid repetition

In French, we will be learning to talk about the members of our family. We will understand how important it is to speak clearly so that others can understand what we are saying. We will learn to ask simple questions and to listen carefully to the answers. We will learn to listen carefully to questions asked of us and respond appropriately. We will read simple passages and if we are unsure of a word, use a first French dictionary to find the translation of the word that we need. We will write simple sentences, understanding that the order that words are written may be different from our own language.

PE
This term, we will be continuing to play tennis. We will be learning how to send and receive a ball with increasing accuracy and beginning to play using a tennis net. We will also be learning to move our feet to re-position ourselves to receive a ball.

During our second lesson each week, we will be playing rounders. We will be learning to strike a ball using both a tennis racket and a rounders bat. We will be learning to run into position to catch a ball. We will learn the rules to small sided rounders games. We will learn how to play as a team and be aware of other players. Each week, we will continue to develop our individual skills to then improve our performances in a game situation.

MATHS

Week 1

- Number and Place Value
- Counting in multiples of 6, 7, 9, 25 and 1000
- Finding 1000 more or less than a given number (moving onto finding 1000 more or less than a negative number)
- Counting backwards through zero to include negative number
- Recognising the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones) and in numbers beyond 4 digits.
- Ordering and comparing numbers beyond 1000
- Identifying, represent and estimate numbers using different representations
- Rounding any number to the nearest 10, 100 or 1000
- Solving number and practical problems that involve all of the above and with increasingly large positive numbers
- Reading Roman numerals to 100 (I to C) and know that over time, the numeral system changed to include the concept of zero and place value.

Weeks 2 and 3

- Addition and Subtraction
- Adding and subtracting numbers with up to 4 digits using the formal written methods of columnar addition and subtraction where appropriate
- Estimating and using inverse operations to check answers to a calculation
- Solving addition and subtraction two-step problems in contexts, deciding which operations and methods to use and why.

Weeks 4 and 5

- Geometry - Properties of Shape
- Comparing and classifying geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
- Identifying acute and obtuse angles and comparing and ordering angles up to two right angles by size
- Identifying lines of symmetry in 2-D shapes presented in different orientations
- Completing a simple symmetric figure with respect to a specific line of symmetry.

In Computing, we will be learning how to code and program a script to create a game. We will be using an app called 'Scratch' as we learn to make our very own maze game. This will involve us learning how to make a character move in different directions by following a sequence, how to create a game where you can win and lose and how to make your character say things.

All wired up!
Woodpeckers

ENGLISH

This term, we will be reading a class text called, 'The Indian in the Cupboard', by Lynne Reid Banks. This is a story about a boy whose toy figure comes alive and the adventures that they have together. Through studying the text in detail, we will be able to plan our own versions of the story. We will develop our editing skills by working together to suggest improvements to each other's story. This will involve proposing changes to grammar and vocabulary to improve consistency, including the accurate use of pronouns in sentences. We will also develop our proof reading skills to check for spelling and punctuation errors.

During guided reading sessions, we will use our class text to draw inferences such as inferring characters' feelings, thoughts and motives from their actions. We will learn to justify inferences with evidence from the text. We will also predict what might happen from details stated and implied. We will be learning to identify and summarise the main ideas of sections of the book.

During our grammar, spelling and punctuation lessons, we will continue to learn spelling patterns, words that are commonly misspelt and further prefixes and suffixes. We will be recapping and building upon our knowledge of nouns/pronouns paragraphs using conjunctions, adverbs and prepositions to express time and cause using conjunctions to extend sentences speech correct use of tenses alliteration similes collective nouns using fronted adverbials adverbial phrases

We will then be learning to transfer these skills into our written work and in particular, our own fantasy adventure story writing.

In Science, we will be exploring electricity. We will be able to recognise common household appliances that require electricity and why. We will also be creating our own electrical circuits using a variety of parts such as wires, cells, bulbs, buzzers, switches and bulbs. We will also be learning about conductors and insulators and their importance to electricity.

In Music, we will be continuing our brass lessons with Mr Probert. We will be continuing to develop our skills in reading basic notation. We will be improving our ability to listen to the sounds that we create with our instruments to ensure that we play in tune when playing in an ensemble.

OUTDOOR LEARNING

Maths through outdoor learning.

(Properties of shape)

PHYSICAL EDUCATION

LKS2

- pe4.1 I can explain how developing my skills separately has improved my performance in team games
- pe5 I can play competitive net, striking, fielding and invasion games

- pe5.1 I can describe both attacking and defending tactics and strategies and begin to apply them

EXPRESSIVE ARTS AND DESIGN

LKS2

- mu12 I can play instruments with accuracy and control
- mu13 I can play instruments with fluency and expression to reflect the intentions of the music

- mu17 I can perform from simple, standard notation

COMMUNICATION AND LANGUAGE

LKS2

- fl1 I can understand what is being said to me and respond correctly
- fl3 I can have a conversation including asking and answering questions
- fl4 I can speak in grammatically correct sentences
- fl5 I can pronounce words correctly so that I am understood
- fl7 I can read simple passages with understanding

- fl9 I use a dictionary to help me to understand and learn new words
- fl11 I can speak and write about everyday life
- fl12 I know that some words are governed by gender
- fl12.2 I know the correct order of words in a sentence and that the order may differ from English