



The Creative Learning Journey All wired up! Swans

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

- m80 count from 0 in multiples of 4, 8, 50 and 100; find 10 or 100 more or less than a given number
- m81 recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
- m82 compare and order numbers up to 1000
- m83 identify, represent and estimate numbers using different representations
- m84 read and write numbers up to 1000 in numerals and in words
- m85 solve number problems and practical problems involving these ideas.

- 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

- m86 add and subtract numbers mentally, including:
 - m87 a three-digit number and ones
 - m88 a three-digit number and tens
 - m89 a three-digit number and hundreds
- m90 add and subtract numbers with up to three digits, using formal written methods of columnar addition and subtraction
- m91 estimate the answer to a calculation and use inverse operations to check answers
- m92 problems including missing number problems, using number facts, place value, and more complex addition and subtraction.

- ### 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

- m110 draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them
- m111 recognise angles as a property of shape or a description of a turn
- m112 identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle
- m113 identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

- ### Geometry - properties of shapes LKS2
- m128 compare and classify geometric shapes, including quadrilaterals and triangles, based on their properties and sizes
 - m130 identify acute and obtuse angles and compare and order angles up to two right angles by size
 - m131 identify lines of symmetry in 2-D shapes presented in different orientations
 - m132 complete a simple symmetric figure with respect to a specific line of symmetry.

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)

- ### LKS2
- c014 I can design, write and debug simple programs to control or simulate physical systems
 - c015 I can solve problems by breaking them down into progressive steps
 - c016 I am aware that programs follow a sequence from one instruction to the next
 - c017 I can make a program select a particular set of instructions (using IF-ELSE-END)
 - c018 I can make a program repeat a set of instructions (using FOR-NEXT)
 - c019 I know that a variable is a piece of stored information (numbers or a 'string' i.e. a sequence of characters)
 - c020 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.

- 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' written and spoken presentations.

Reading - comprehension LKS2

- e138 listen to, and discuss a wide range of

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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
- m149 count in multiples of 4, 8, 50 and 100
 - m150 find 100 more or less than a given number (moving onto finding 100 more or less than a negative number).
 - m151 recognise the place value of each digit in a three-digit number (hundreds, tens, and ones) and in numbers beyond 3 digits.
 - m152 ordering and comparing numbers up to 1000
 - m153 identifying, represent and estimate numbers using different representations
 - m154 solving number and practical problems that involve all of the above and with increasingly large positive numbers

- #### Weeks 2 and 3 Addition and Subtraction
- m155 adding and subtracting numbers with up to 3 digits using the formal written methods of columnar addition and subtraction where appropriate
 - m156 estimating and using inverse operations to check answers to a calculation
 - m157 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
- m158 draw 2-D shapes and make 3-D shapes using modelling materials; recognise 3-D shapes in different orientations and describe them.
 - m159 recognise angles as a property of shape or a description of a turn
 - m160 identify right angles, recognise that two right angles make a half-turn, three make three quarters, etc.
 - m161 identify whether an angle is greater than or less than a right angle
 - m162 identify horizontal and vertical lines and pairs of perpendicular and parallel lines.

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.

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 to work with Mr. Probert on pulse and rhythm. We will be exploring different instruments and how their sounds affect the tone of the music. We will be playing a variety of instruments in rounds.

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 misspelled and further prefixes and suffixes. We will be recognising 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.

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

- mu16 I can listen carefully and perform accurately from memory
- mu19 I can describe, compare and evaluate different kinds of music.

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