



YEAR 2 TERM 1 CURRICULUM MAP



TO INFINITY AND BEYOND

This topic introduces children to important events that have had, and continue to have an impact on lives today. They will study the lives and actions of significant individuals and events nationally and globally developing a sense of the involvement of the wider world in changes that affect us. The children will be reading stories about real and imagined space and will write a history of space travel. They will attend A Science Dome workshop which will enable the children to get closer to the stars and experience the first moon landing. They will finish with a space themed party.

HISTORY: The children will learn about where the events in space travel fit into a chronological framework; Develop vocabulary that indicates the passing of time; Consider what it was like in a world before space travel and understand why people may have wanted to do it; Know and describe some of the people involved, and key events, in the history of space travel, including the animals sent up, the first manned space flight and the first moon landing; know about some of the consequences of being able to send objects into space, e.g.; satellite T.V.; ask and answer questions through looking at different sources such as newsreel, newspapers, and photos; show knowledge and understanding in different ways; use the knowledge to make connections with other areas such as changes in technology, satellite T.V.; consider the possibilities of space travel in the future and what it could mean. The **SCIENCE DOME** will visit allowing the children to get a closer look at the stars.



ENGLISH: Using what they have learnt in their topic, the children will write a story set in space and fact files on space travellers.

GEOGRAPHY: The children will develop knowledge about the world by using (Google Earth) to look at the world from space.

ART - COLLAGE AND PRINTING: The children will create an individual space themed collage using different kinds of materials and explain the reasons for these choices; use repeated patterns in a collage.

D.T. - MECHANISMS AND CONSTRUCTION - MAKING A SPACE BUGGY: The children will explore pulleys and levers on moving vehicles; analyse different construction kits; assemble parts that will make the model move. Begin to investigate different ways of improving their model; decide which materials and tools would be the best to use for the finishing techniques. They will also design and make a space jet pack.

MUSIC: The children will begin to sing in tune controlling the volume; perform simple rhythmic patterns to a steady beat or to accompany a song; choose and order sounds in response to a picture or theme; create simple musical phrases using an IT programme; begin to discuss and improve my own work; describe images created by music; represent sounds with symbols; know that Gustav Holst was a British composer (1874 - 1934).



ENGLISH

STORIES WITH FAMILIAR SETTINGS
Read key texts: 'Here Comes the Aliens', 'Alien's Love Underpants' and 'Alien School'; hear, read and investigate familiar settings e.g. house, school, shops and park; identify characters and sequence of events; role-play to retell the story from a character's point of view; identify structure of a story including: opening, problem, events to sort out, ending; plan, draft, edit and review own story.

FACT-FILE ON FAMOUS SPACE TRAVELLERS
Read and discuss features of a fact-file.; identify structure and key language features; produce a fact-file based on key texts read.

POETRY - PATTERNS ON A PAGE
Read and discuss a range of poems with different patterned structures; explore words and phrases used in poems and how they are laid out on a page or screen; sort poems according to their pattern types (rhyming, non-rhyming, acrostics, alphabet, shape and riddle) and perform some of them.; plan, draft, edit and publish own poems.

TRADITIONAL STORIES
Read the story Little Red Riding Hood and identify the characters; discuss and compose dialogue and descriptions for characters; model how to write an alternative version of this story; plan, draft and write applying key features of this genre.

READING
Reading is taught in different ways, using a rich variety of texts. During writing sessions, pupils investigate a text in depth, usually linked to topic work. In guided reading sessions, children work in smaller groups, on a range of texts, these sessions are targeted to develop their reading (decoding) and comprehension skills at their individual level. As well as taking books home, a love of reading is encouraged through reading corners, author visits and celebrations of reading and literature.
The year 2 programmes of study for **VOCABULARY, GRAMMAR, PUNCTUATION** and **SPELLING** will also be followed.



MATHEMATICS

Review of the Year 1 Key Performance Indicators.

NUMBER AND PLACE VALUE
Count in steps of 2, 3, 5 from 0 and in 10s from any number forwards and backwards; recognise the place value of each digit in a two digit number (10s and 1s); identify; represent and estimate numbers using different representations, including the number line; compare and order numbers from 0 up to 100; use <, > and = signs; read and write numbers to at least 100 in numerals and in words; use place value and number facts to solve problems.

ADDITION AND SUBTRACTION
Show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot; solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures; solve problems with addition and subtraction applying their increasing knowledge of mental and written methods; recall and use addition and subtraction facts to 20 fluently, and derive related facts up to 100; add and subtract numbers using concrete objects, pictorial representations and mentally, including: a two-digit number and 1s, a two-digit number and tens, two 2-digit numbers, adding 3 one digit numbers; recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems.

MULTIPLICATION AND DIVISION
Recall and use multiplication and division facts for 2s, 5, and tens including recognising odd and even numbers; show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot; solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts; calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication (X), division (÷) and equals sign(=).



SCIENCE

MATERIALS: GOOD CHOICES
Understand that one type of object can be made from different materials and also that one material can be used for a number of different objects; develop their understanding of the simple physical properties of materials and consider how these properties make materials useful for particular purposes; test a range of different materials for different purposes; think about creative and unusual uses of everyday materials; find out about John Dunlop, who invented rubber pneumatic tyres. When working scientifically: classify materials, carry out comparative tests for different properties and use the results of tests to suggest suitable choices for a particular purpose.

MATERIALS: SHAPING UP
Understand different ways of changing the shapes of objects made from different materials; identify materials that can be changed by the actions of squashing, bending, twisting and stretching, and link these actions with the properties of the materials that allow them to be changed; discover that some materials have different properties according to how they are shaped and what they are made into; choose materials for uses according to their properties; know that pushes and pulls can cause movement or a change in shape; apply their knowledge by making clay models and catapults. When working scientifically: carry out identifying and classifying enquiries and comparative tests; record using photographs, labelled drawings, Venn diagrams, tables and bar charts; measure using non-standard or standard measures; compare findings.

OUR CHANGING WORLD
Observe animals in their habitats and notice how they change through the year; use this developing understanding of the different animals living in a habitat to build up simple food chains.



COMPUTING

Understand what algorithms are; how they are implemented as programs on digital devices; know that programs execute by following precise and unambiguous instructions; create and debug simple programs; use logical reasoning to predict the behaviour of simple programs. **Scratch and Kodu, Daisy the Dinosaur, Hopscotch and Bee-Bot**

Understand what algorithms are; how they are implemented as programs on digital devices; and that programs execute by following precise and unambiguous instructions; use logical reasoning to predict the behaviour of simple programs; recognise common uses of information technology beyond school; use technology safely and respectfully, keeping personal information private. **Scratch; Screencast-o-matic: screencasting program.**

R.E.

HINDUISM - THE HINDU HOME, WORSHIPPING GOD AT DIWALI
Look at Hindu beliefs and the importance of families and the role of worship at home and in the Hindu Temple.

CHRISTIANITY - CHRISTMAS SYMBOLS
Explore how symbols show the importance of Christmas



P.E.

GAMES: Develop throwing, catching and bouncing skills through games in basketball and netball; create games using throwing, catching and bouncing skills.

GYMNASTICS: To demonstrate ways of travelling using different parts of the body; sequence travelling movements together experimenting with height levels on the floor and using apparatus.

DANCE: Create, rehearse and perform dance based on Space.



P.S.H.E. incl. R.S.E.

Share with each other and list ways pupils can show empathy to others; be able to describe the nature and consequences of picking on others and can express a way to respond to it.

BRITISH VALUES: Distinguish right from wrong; show respect for other people's opinions and values.

RSE: Differences: Boys and Girls.

A FIRE SAFETY WORKSHOP will visit year 2 this term.

