

Autumn Term 1 and 2

Topic: Space... To Infinity and Beyond!

Literacy

All our literacy work will be based on fiction books that have links to space, eg: *Aliens Love Underpants*, *The Dinosaur that Popped a Plant*, *How to Catch a Star*, *Beegu and the Way Back Home* as well as non-fiction texts that link to the Broader Curriculum. Examples of work we will be doing are set out below and they will also include a focus on elements of SPaG that need to be taught, for example, adjectives, nouns, full stops, etc.

- Design a poster to visit a new planet
- Hold news interviews about a new planet to develop speaking and listening
- Make non-fiction fact files about different planets
- Invent a new alien/rocket and label parts
- Find out information about planets using information books and Internet to develop reading skills
- Watch video clips of spaceship launches and respond in different ways
- Read and write own space/moon poems (acrostic / descriptive / shape)
- Instruction writing: How to make a rocket, how to make biscuits, etc.
- Newspaper reports: Alien Invasion
- Stories focussing on beginning, middle and ending
- Make a passport and list of items to take to space
- Write a blurb for a book and book reviews.
- Individual reading / guided reading / phonics / handwriting

Religious Education

Term 1:

Creation - Who Made the World?

- Retell the story of Creation
- Recognise that Creation is the beginning of the 'big story' of the Bible
- Say what the story tells Christians about God, Creation and the World
- Give at least one example of what Christians do to say thank you to God for the Creation

Maths - Place Value / Addition and Subtraction (Term 1 only)

Year 1:

Sort, count and represent objects
 Count, read and write forwards from any number 0 to 20
 Count, read and writing backwards from any number 0 to 20
 Count one more, one less
 One to one correspondence to start to compare groups
 Compare groups using language such as equal, more/greater, less/fewer
 Introduce = , > and < symbols
 Compare numbers
 Order groups of objects
 Order numbers
 Ordinal numbers (1st, 2nd, 3rd)
 The number line
 Part whole model
 Addition symbol
 Fact families - Addition facts
 Find number bonds for numbers within 10
 Systematic methods for number bonds within 10
 Number bonds to 10
 Compare number bonds
 Addition: Adding together
 Addition: Adding more
 Finding a part
 Subtraction: Taking away, how many left?
 Crossing out
 Subtraction: Taking away, how many left?
 Introducing the subtraction symbol
 Subtraction: Finding a part, breaking apart
 Fact families - The 8 facts
 Subtraction: Counting back
 Subtraction: Finding the difference
 Comparing addition and subtraction statements $a + b > c$
 Comparing addition and subtraction statements $a + b > c + d$

Year 2:

Count objects to 100 and read and write numbers in numerals and words
 Represent numbers to 100
 Tens and ones with a part whole model
 Tens and ones using addition
 Use a place value chart
 Compare and order objects and numbers
 Count in 2s, 5s and 10s
 Count in 3s
 Fact families - Addition and subtraction bonds to 20
 Check calculations
 Compare number sentences
 Related facts
 Bonds to 100 (tens)
 Add and subtract 1s
 10 more and 10 less
 Add and subtract 10s
 Add a 2-digit and 1-digit number - crossing ten
 Subtract a 1-digit number from a 2-digit number - crossing ten
 Add two 2-digit numbers - not crossing ten - add ones and add tens
 Add two 2-digit numbers - crossing ten - add ones and add tens
 Subtract a 2-digit number from a 2-digit number - not crossing ten
 Subtract a 2-digit number from a 2-digit number - crossing ten - subtract ones and tens
 Bonds to 100 (tens and ones)
 Add three 1-digit numbers

Broader Curriculum

Art/D&T:

- Solar system model
- Printing using crumpets to make moon pictures
- Make alien/rocket junk models
- Design and make a moon buggy
- Make planet pizzas
- Make moon / star biscuit
- A Starry Night by Van Gogh
- Make moon sand and space playdough
- Make a jet pack
- Make 2D / 3D Rockets



PE - Invasion Games and Hockey Skills

Children will be able to:

- travel forwards, backwards and sideways;
- change direction while travelling;
- travel with a ball using their feet and hands;
- change direction while travelling with a ball;
- use their feet to pass a ball to another player;
- use their hands to pass a ball to another player;
- pass a ball accurately to another player;
- pass a ball quickly to another player while in a game situation;
- travel with and pass a ball to another player to score points in a game.

Science

- Identify different light sources including the sun and investigate shadows
- Find out that darkness is the absence of light - investigating moon phases
- Rocket launch experiment - To know that the push to make their rocket fly is a force; to recognise that when their rocket slows down and stops there is a cause.
- Astronaut food - changes by removing and adding water; explore and describe the way some everyday materials change when they are heated or cooled.
- How the Earth and Moon orbit the Sun.
- Fizzing Planets - how materials react with each other.

History

- Research the first man who travelled to the moon - make a fact file about the launch and make a timeline of the events leading up and to the moon
- Achievements of Tim Peake
- Research space missions to other planets (becoming aware of human achievements)

Geography

- Find out about the solar system
- Star constellations
- Looking after the world around us - our environment

ICT

- Online Safety (Y1) / Coding (Y2)
- Controlling Beebots - direct him around solar system
- Create pictures of space and save own work

Music:

- Sounds to accompany space images - explore instruments and compose space music; respond to others' compositions.
- Space-themed songs