

**Busy Bees - Spring term 2019**  
**Context for learning: 'To Infinity and Beyond!'**

**As designers we will:**

**Make a 'straw' rocket...**

- ~ Research images of rockets; label a rocket.
- ~ Design a rocket.
- ~ Test and adapt designs to find out which materials and features help the rocket fly better.
- ~ Build a 'straw' rocket. Evaluate its success.

**As artists we will:**

- ~ Learn that colours can be cool or warm.
- ~ Observe the abstract art of Robert Delaunay.
- ~ Make a collage mobile in the style of Delaunay's 'Rhythm' (1912)

**As mathematicians we will:**

- ~ Recognise & use the place value of each digit in a two digit number (tens,ones).
- ~ +/- 2 x 2 digit numbers to include money.
- ~ Count in multiples of 2, 5 & 10.
- ~ Learn & apply x/÷ facts (2, 3, 5 & 10 x tables).
- ~ Solve 1 step problems involving multiplication & division using concrete objects, pictures, arrays & repeated addition.
- ~ Show that x can be done in any order & ÷ can not.
- ~ Recognise all coins & notes; use £ symbol when solving 1 step & 2 step money problems
- ~ Recognise and name common 2D & 3D shapes & some properties including lines of symmetry.
- ~ Identify 2D shapes on faces of 3D shapes including patterns made.
- ~ Compare & sort 2D & 3D shapes and investigate 3D nets
- ~ Tell & record the time (o'clock/half past/quarter past & to.
- ~ Tell the time using 5 minute intervals.
- ~ Use time language eg. number of hours in a day & sequence events chronologically.
- ~ Recognise, find and name a half, a quarter & 1 third of a shape or quantity. Use equivalence eg.  $\frac{2}{4} = \frac{1}{2}$ .
- ~ Interpret & construct simple pictograms; tally charts & block graphs. Compare categorical data.

**As scientists we will investigate:**

**Forces:** we will learn...

- ~ How air/wind and water can help move things.
- ~ Explain what friction is and its effect on moving objects.
- ~ Describe magnetism as a force.

**Investigations will include:**

- ~ Making windmills; kites & parachutes; make wheels move using water and sand; moving toy cars on different surfaces; making boats with sails; magnets; floating and sinking.

**Earth and Space:** we will learn...

- ~ The names of the planets and their position in relation to the sun.
- ~ How day and night occur.
- ~ The movement of the moon.

**As PCs we will:**

- ~ Use a paint package to create a simple picture.
- ~ Use brush and pen tools to create lines and use fill, spray and stamp tools.
- ~ Create a stamp to make a pattern/design.
- ~ Develop skills using a range of tools and techniques.
- ~ Use image manipulation to modify a picture.
- ~ Use a digital camera to take a picture.
- ~ Begin to edit digital photographs.

**As writers we will be writing:**

- ~ Sequence Bob's day from 'Man on the Moon'
- ~ A job application letter to replace Bob whilst he goes on holiday.
- ~ A 'wanted' poster for a missing alien that Bob's lost.
- ~ Instructions on 'How to trap the alien'.
- ~ A space journey narrative.
- ~ A recount of our trip to Space Port.
- ~ A biography of Neil Armstrong.
- ~ A non-chronological report about the planets and space.
- ~ Simple poetry based on aliens and space.

**Hooks for Learning:**

- ~ A visit to Space Port - mission workshops and Planetarium.

**Role Play Opportunities: A space rocket**

**Children will:**

- ~ Reinforce maths skills eg. using days, dates, times.
- ~ Develop speaking and listening skills.
- ~ Engage in a variety of writing & maths activities.



**As historians & geographers we will:**

- ~ Learn about the life of Neil Armstrong and his impact on space technology.
- ~ Celebrate 50 years since man stepped on the Moon!
- ~ Identify the world's continents and oceans as seen from space.