

English

- Diary of life on board space shuttle
- Literacy shed stimulus – Pandora scene Avatar write a non-chronological report about Pandora or one of the creatures who live there.
- Write an explanation or set of instructions 'How to Care For...' How to care for one of the creatures from the clip.
- Write a narrative set on the planet.
- Write a diary entry for an astronaut landing on the planet, describing the journey, landing, meeting the inhabitants etc.
- Design a space vehicle for landing on the planet, what special tools would it need?
- Write a persuasive advert for the space centre look at virtual tour of Kennedy Space centre
- Invasion of clement - a news report based on crop circles. What is forming them?
- Write the ship's log for the blue alien recording his daily discoveries.
- Write emails between the blue and pink aliens
- Biography of famous astronauts – Tim Peake, Neil Armstrong etc.
- Writing a recount of Apollo 11's mission to the moon from the point of view of Neil Armstrong
- Prepare and perform a TV news report about man's first landing on the moon
- Persuasive adverts for own space hotel
- Write online blog

Year 5 Curriculum Links – Summer

One small step...



Enrichment:

Space Centre Visit

Immersion:

Crop circles on the school field / rocket parts discovered and cordoned off

Mathematics

- Space fractions adding different fraction amounts
- Space adventure shopping requirements – calculating costings
- Space themed maths solving word problem
- Comparing and ordering numbers linked to planets and distance from earth place value recap
- complete, read and interpret information in tables, including timetables space time tables for rocket launches
- Identify, describe and represent the position of a shape following a reflection or translation – from rocket launch to landing
- Converting between units of time minutes to seconds etc.
- Calculate the area and perimeter of rockets or space station on a planet
- Draw given angles, and measure them in degrees – angle of rockets falling from earth – measure angles from constellations etc.

Geography

- On a World map identify parts of the Earth in daylight and which are in night using atlas to support
- Look at google earth it identify how earth looks in space and identify land mass names
- Locate space centres across the world
- Explore mountain ranges in the world and can they be identified from space

PE

- Swimming
- Practise activities for Sports day
- Dance – explore sequences, travelling and transition with and without apparatus.
- Team building/ problem solving games

History

- Research and explore the first moon landing.
- Who invented the telescope and what effect did it have? - Exploring how and when the telescope was invented. How telescopes work. Galileo's development of the telescope and the effect it had on astronomy.
- What was the Space Race? - Examining the Space Race between the USSR and USA. - Developments in space exploration between 1940 and 1970
- Who was the first to land on the moon? - Exploring the details of the Apollo 11 mission of 1969. Exploring who was involved in Apollo 11 and how they felt to land on the moon
- How do astronauts explore space today? - Examining methods of space exploration used today (space shuttles, the Hubble Telescope, satellites, observatories, Space Science stations)
- a study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066

Music

- Listening and responding to Holst's *The Planets*
- Composing a piece of music to represent the journey of a spaceship
 - What are the stages in a spaceship's journey?
 - How can we create different sounds using tuned and untuned instruments?
- Composing and recording a composition to represent the journey of a spaceship
- play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression
- Improvise and compose music for a range of purposes using the inter-related dimensions of music

Science

- Forces – Friction rocket balloon investigation
- STEM learning – is there anything out there – Practical link to science
- Investigate - Does the Moon makes its own light?
- On a World map identify parts of the Earth in daylight and which are in night.
- Explore and consider is the Moon only seen at night?
- Create a Moon Diary and ask children to sketch the shape of the moon visible each day over one month
- Use a fruit to model the Solar System
- Build a re-entry capsule to allow your eggnaut to safely return to earth.
- Air resistance - repeat some enquiries that Galileo carried out in the 16th century & then carry out their own enquiry into factors which affect the forces acting on paper spinners.
- Water resistance -carry out enquiries about the weight of objects in water, boat designs & the effect of different waters.

Earth and Space

- describe the movement of the Earth, and other planets, relative to the Sun in the solar system
- describe the movement of the Moon relative to the Earth
- describe the Sun, Earth and Moon as approximately spherical bodies
- Use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.

Forces

- explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object
- identify the effects of air resistance, water resistance and friction, that act between moving surfaces
- Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

Computing

- Use computers and the internet to research and write the biography of a famous astronaut?
- Create a stop start animation of an astronaut on the moon
- Create a space themed game with obstacles and range of complex algorithms.
- Gather data about the planets (size, distance from the sun, Distance from Earth, number of moons, etc.) and use the Information to create graphs

Forest School

- Create pulleys like used to support in space
- Woven dream catchers
- Experimented with different bubble solutions

DT

- Make a model of a spaceship - Examining different types of space crafts, both real and fictitious. Examining the components of a spaceship
- Designing, making and evaluating a model of a spaceship
- Taste and compare the nutritional value of cry freeze food (Space food)
- Create own planets using papier Mache or modroc

MFL

- Breakfast – share a traditional French breakfast
- Role Play – Recreate café scene applying all conversational knowledge from previous term and this term.
- French Dessert – Follow ingredients for French dessert and write instructions

SMSC

- Moral – sending animals into space was it the right thing to do?
- Mission Mars - People choosing to be involved in the mission knowing they won't return?
- Looking towards the future – how to rise to the challenge of year 6

RE

- Theme:**Prayer and Worship
- Key Question:** What is the best way for a Sikh to show commitment to God?
- Religion:** Sikhism
- *Theme:** Beliefs and moral values
- Key Question:** Do beliefs in Karma, Samsara and Moksha help Hindus lead good lives?
- Religion:** Hinduism
- Theme:**Beliefs and Practices
- Key Question:** What is the best way for a Christian to show commitment to God?

Art & Design

- Use marbling to create pictures of planets
- Make an origami star - What is origami?
 - Working with paper to create an origami star
- Designing and planning use of colour and patterns to create an effect
- to create sketch books to record their observations and use them to review and revisit ideas
- to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials [for example, pencil, charcoal, paint, clay]
- About great artists, architects and designers in history.