

**Inspire awe and wonder**  
Use stimuli to motivate and inspire- visits, visitors, artefacts, books, videos, outside learning, our locality etc.

**Problem solving and thinking skills**  
Creative thinkers; independent learners; real-life challenge; controlled risk taking; resourcefulness; enterprise; collaboration; thinking skills, Learning Pit

**Creative Arts**  
Dance, drama, music, art- developing the creative brain; inspiration, enjoyment and fulfilment; enhance and develop skills & talents; performance

**Nurturing Responsible Citizens**  
Collaborative learning; care for the environment; share talents; make decisions; links in and around Leyburn, other communities and the environment

**As readers, we will...**

- Read 'Cosmic: it's one giant leap for all boy-kind' by Frank Cottrell Boyce.
- Read about earth and space and distinguish between fact and fiction
- Apply our knowledge of spelling prefixes and suffixes to understand new words.
- Draw inferences and make predictions about the text we are reading.

**As authors, we will...**

- Write an explanation about planetary rotation using grammar and punctuation taught so far.
- Plan and write a narrative piece of writing based on fictional texts read in class and supporting videos, considering the audience and purpose.
- Precise longer pieces.
- Begin to use hyphens to avoid ambiguity, brackets, dashes and commas for parenthesis.

**As performers, we will...**

- Speculate, hypothesis and explore fictional and factual ideas based around earth and space.
- Ensure readers are kept interested when we perform.
- Explore different viewpoints in earth and space

**As historians, we will...**

- Learn about great scientists such as Galileo, Stephen Hawking and more recently, Brian Cox.
- Consider monumental occasions, people or periods in history that have affected our understanding of earth and space.

**As athletes, we will...**

- Develop our rugby skills, tactics and rules; take part in tag rugby.
- Swim at least 25m, use a variety of strokes, perform self-rescue.

**As scientists, we will...**

- Identify planets in the solar system and their features, explain how planets orbit the sun and how day and night occur.
- Know that the moon orbits the earth, not the sun.
- Make predictions about night and day in different places around the world.
- Predict, ask and answer questions

**Year 5 Topic Planner Spring 1 2017**

**Is life on Mars possible? (7 weeks)**

**Subject driver: Science**

**As rights respecting citizens, we will...**

*Article 17 ~ (access to information from mass media) Every child has the right to reliable information from the mass media. Television, radio, newspapers and other media should provide information that children can understand. Governments must help protect children from materials that could harm them*

**As theologians, we will...**

- Learn about the particular features and significance of the Mosque in Islam.
- Develop an understanding of worship and community life within the Islamic faith.

**As artists and technicians, we will...**

- Research the artist Peter Thorpe
- Use sketchbooks to record artwork
- Use a combination of paint and mixed media to create their own planet.

**KEY QUESTIONS:**

Is life on Mars possible?  
How big is the universe?

**KEY OUTCOMES:**

- 1) Write an explanation of planetary rotation.
- 2) Create a computer programme with information about earth and space.
- 3) To create a working solar system.

**VISITS / VISITORS:**

Visitors of Muslim faith and or visit to a mosque

**As musicians we will...**

- Continue to develop our sense of rhythm through drumming with Jules.

**As computer technicians, we will...**

- Review how to stay safe on the internet.
- Using the computer programme 'Scratch' create a complex computer game that requires sequenced inputs.

**As mathematicians, we will...**

**Fractions and decimals:**

- Compare and order fractions
- Identify, name and write equivalent fractions
- Use mixed numbers and improper fractions and convert between them
- Add and subtract fractions with common/related denominators
- Multiply fractions by whole numbers
- Write decimals as fractions
- Recognise and use thousandths and relate to tenths, hundredths and decimal equivalents
- Order and round decimal numbers
- Recognise and understand % sign; link percentages to fractions and decimals
- Solve problems involving all aspects of number, including multi-step problems

**As geographers, we will...**

- Use map references, country names and regions to locate different time zones (day and night).
- Compare physical features of the UK with another country (Iceland).

**As linguists we will...**

- Learn animal names in French.
- Begin to use French adjectives to describe animals and be able to say what our favourite pet is.
- Read French texts about animals.
- Take part in conversation about animals.