

# Our Learning Journey in Year 5 – Autumn Term 2022

## In Literacy we will be learning:



- To write a diary entry for Liam, the main character in our class novel, *Cosmic*.
- To debate whether animals should be used to explore.
- To explore sci-fi stories, creating settings and characters for our own narrative texts.
- To write an explanation text for how Mars Rovers work.
- Reading, writing and creating poetry based on the theme of space.
- To write a recount of our trip to Winchester Science Museum.
- Developing spelling, punctuation and grammar skills.
- Exploring a range of texts and developing our reading skills through guided reading sessions.

## In Numeracy we will be learning about:

- Place value: counting, ordering, comparing and rounding whole numbers up to 1,000,000, reading and writing Roman Numerals to 1000.
- Addition and subtraction of 4-digit numbers using written and mental methods, rounding to estimate and using the inverse to check.
- Multiplication and division: factors, prime, square and cubed numbers, multiplying and dividing by 10, 100 and 1000.
- Dividing with remainders.
- Equivalent fractions
- Improper fractions and mixed numbers
- Comparing and ordering fractions
- Adding and subtracting fractions
- Developing fluency and recall of times table and related division facts.
- Problem solving and reasoning.

## International Primary Curriculum (IPC) Topic - Mission To Mars

### In History we will be learning about:

- Missions to Mars.
- The Space Race.
- Galileo Galilei and the importance of the telescope and how it changed astronomy.

### In International we will be learning about:

- The International Space Station

### In Society we will be learning about:

- The profiles of the candidates chosen for the first manned mission to Mars in 2024.
- Team work, cooperation and responsibility needed to explore space.

### In art we will be learning about:

- Developing drawing skills and colour work.
- Van Gogh and recreating the *Starry Night* in textiles.

### In music we will be learning about:

- Gustav Holst's *The Planets Suite*.

### In Geography we will be learning about:

- The features on the surface of Mars.
- How features compare with similar features found on Earth.
- How these features may have formed.

### In Technology we will be learning about:

- How to design, make and evaluate a Mars Rover prototype.

### Local Community Links

- We will be visiting Winchester Science Museum and Planetarium.

### National Community Links

- A focus on the United Kingdom as our home country.

### International Community Links

- A focus on Russia as our host country.

### In MFL we will be learning about:

- Getting to know you
- All about ourselves

### In Religious Education we will be learning about:

- What is worship?
- What is the true meaning of Christmas for Christians.

### In Science we will be learning about:

- The planets of our solar system.
- The movements of the Earth, Sun and Moon and how they affect us, such as how we have day and night.
- The force of gravity.
- Classifying rocks and soil.
- How craters are formed and the forces that are involved.
- How light travels.
- Reflection and refraction.
- How we see things, including making a periscope.
- Sir Isaac Newton and building a spectrometer.
- Develop enquiry skills.

### In P.E we will be learning about:

- Orienteering
- Netball
- Gym
- Fundamental skills 1

### In RSHE we will be learning about:

- Changing friendships
- Celebrating strengths and setting goals

### In ICT we will be learning about:

- Audio recording and writing and recording their own songs.
- Use EXCEL to record, sort and present data.

### Help at Home:

- Literacy and Maths homework will be set on a Friday and will be due in on a Wednesday.
- This is in addition to practising spellings and times tables regularly at home and reading for 30 minutes, 3 times a week.

