

## Learning Journey Map



YEAR 5



Title: *Lost In Space*



### Key Curriculum Areas:

Science, Art and Geography

### Our Curriculum Drivers

- Real, Relevant, Immersive & Purposeful
- Creativity
- Problem Solving & Thinking Skills
- Nurturing responsible Citizens

**Big Bang:** Papier Mache Planets

**Celebration:** Wonder Dome!

**Trip:** As part of Science learning, we will have a planetarium set up in the school hall (Wonder Dome).

### PSHE: Valuing Differences

We will define some key qualities of friendship and demonstrate respectfulness in responding to others. We will develop an understanding of discrimination and its injustice. We will also explain the importance of mutual respect for different faiths and beliefs and how we demonstrate this. We will explain the difference between sex, gender identity, gender expression and sexual orientation. We will identify the consequences of positive and negative behaviour on ourselves and others:

### This term value is... KINDNESS

#### Science: Earth and Space

We will develop our knowledge of the Earth's (and the 8 other planets') place in the solar system, and their relationships with the Sun using models and labelled diagrams. We will explore how the Earth's rotation causes night and day, how the Earth's orbit determines the length of a year and how the Earth's tilt on its axis causes the seasons. We will observe the phases of the moon and how shadows change across the day, then using this understanding to create sundials.

#### Art: Drawing (pastels/chalk)

We will look over the work of Étienne Léopold Trouvelot and use techniques to depict movement, perspective, shadows and reflection based on artist's work to create a space landscape.

#### Geography: The Globe

We will locate the Equator, Northern Hemisphere and Southern Hemisphere on a map and globe and name some of the countries on each. We will identify lines of latitude and longitude, find the North and South Poles, Arctic Circle and Antarctic Circle on a map, and will compare daylight hours in the UK and polar regions. We will research more about one country on the Prime Meridian and explore times in various

#### English:

Diary Entry: We will create our own diary entry based on the Apollo mission, from the perspective of an astronaut.

Biography: We will use research on 'Mae Jemison' to compose a biographical piece, depicting key events in her life.

Persuasive Letter: We will write a letter to 'Helen Sharman' with the purpose of trying to convince her to visit Hazelwood and talk through her experiences in Space.

Whole Class Reading: We will have daily sessions to develop reading and comprehension skills.

Spelling: We will develop our understanding of the 'ough' sound, words ending in 'ably, ibly, able and ible' and we will revise adding suffixes to root words.

Handwriting: PENPALS Programme

Cross Curricular links: We will write a haiku based

**Music:** We will continue with the Wider Opportunities Project, consolidating the notes and technique from last term whilst learning new notes, new pieces and preparing for a performance.

#### RE: Sikhism (The mosque)

We will explore religious symbols and understand that Sikhs wear the 5 Ks to show their commitment to their faith. We will describe what happens when Sikhs take Amrit and how it is a symbol of commitment. We will explain why Sikhs treat the Guru Granth Sahib with such reverence and will explore how the interior of the gurdwara reflects Sikh belief in One God.

**Computing:** We will develop understanding of how computer technology works and how computers process instructions and commands. We will develop an understanding that software relies on codes to run. We will use sequence, repetition and conditional selection in programs.

#### Maths:

##### Number and Place Value

We will interpret negative numbers in context, count forwards and backward with positive and negative whole numbers.

##### Fractions

We will identify equivalent fractions and will compare and order fractions whose denominators are all multiples of the same number.

##### Decimals:

We will read and write decimals and fractions. We will round decimals to two decimal places, to the nearest whole number and to one decimal place.

Percentages: We will write percentages as fractions with a denominator of 100. We will solve problems that required knowing percentage and decimal equivalents.

Time: We will solve problems involving converting between units of time.

Statistics: We will complete, read and interpret information from tables, including timetables.

#### PE: Gymnastics

We will explore jumps and link jumps. We will recognise contrasting moves in sequence building to enhance a performance. We will include changes of level, speed and direction into a sequence of movements with a partner.

#### Games: Invasion Games

We will improve our social skills, cognitive skills, teamwork and coordination. We will focus on play and formations.

#### Spanish:

We will learn about types of homes and different locations by starting to look at names of different rooms in the home.