

Mission to Mars! Year 5

Successful Learners

Areas of Learning



As writers, we will be writing a non-chronological report about the planet Pandora from Avatar as well as writing a fantasy story based in space.

As mathematicians, we will be continuing our learning on graphs and exploring fractions.

As scientists, we will be investigating the solar system and ideas around it— does the Earth move? What are forces like in space? What would my mass be on Mars?

As artists, we will be exploring 2D and 3D drawings, planning, practising and evaluating our work.

As geographers, we will be looking at the features of the surface of Mars.

As historians, we will be using different sources of information to investigate the credibility of some of the myths surrounding the history of Mars.

As members of society, we will be exploring how a Mosque can help us understand the Muslim faith.

As linguists we will be exploring a French speaking place.

Learning Skills

This half term, we will be capturing our learning by asking questions using the pose, pause, pounce, bounce technique.

We will:

- Be asking questions about our new learning through our topic work.
- We will be discussing how questioning can help us to learn in all subject areas.

Life Skills

Life skills including personal, social, health, spiritual, cultural and economic will focus on **personal safety** and **e-safety**:

- We will be using Restorative Approaches, which allows us to explore and reflect upon our own attitudes and beliefs. We will become more empathetic, and build resilience in dealing with conflict.
- We will be considering personal safety—from how to stay safe online and deal with peer pressure.

Values

Our focus will be on our values as a whole.

We will be exploring:

- What are values?
- Why do we have values?
- How do we demonstrate our values?
- What are the similarities and differences between different cultures and religions.

Wray Common Citizens

As members of a **community**:

- We will discuss what roles are needed in our space team.
- We will work as a team to achieve our goals.
- We will discover what can we learn from past missions to help us with our own.

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Key Skills

English

- We will be creating a persuasive text to encourage people to sign up for our Mission to Mars
- We will be writing a job application form and persuasive letter.
- We will be imitating and innovation our own science fiction stories, based on stories read in class.
- We will be compiling an information leaflet about our mission to Mars.
- We will be investigating the life of astronauts as well as researching previous space missions.
- We will also be considering the possibility of life on Mars.



Maths

Graphs

- We will be reading and interpreting information presented on a line graph where the data is represented by more than one line.
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Fractions

- We will be using common factors to simplify fractions and use common multiples to express fractions with the same denominator.
- We will be comparing and ordering fractions.
We will be adding and subtracting fractions with different denominators and mixed numbers.
- We will be learning how to divide proper fractions by whole numbers.
- We will be multiplying one-digit numbers with up to 2 decimal places by whole numbers.

Music

- We will be continuing to work on developing rhythm using the 'rhythm sticks'.
- We will be using glockenspiels and keyboards to learn to read formal notation.
- We will be developing the core skill of singing.

Computing

- We will be developing our coding knowledge through the use of Makey-Makeys as an input device.
- We will be using Google Earth: Mars and the World Wide Telescope to research the surface of Mars.

Art

- We will be continuing to make detailed observations of the features of the planets in our Solar System and sketching and painting these.
- We will be specifically focusing on observational drawings of the features of Mars, such as the Face of Cydonia and the Pyramids.
- We will be incorporating our art in to our Solar System research.

PE

- We will be investigating the physical challenge of space travel, using our team building skills, fitness and agility to take on a "space boot camp".
- We will be a focus on dance, linked to our value of perseverance and lifelong learning skill of resilience.

Science

- We will be investigating the relationship between the Earth and the rest of the solar system.
- We will be exploring the concept that day and night are related to the Earth spinning on its axis.
- We will be thinking about the time taken for the Earth to orbit the sun and for the moon to orbit the Earth.



History and Geography

- In Geography, we will be researching and compiling presentations about the key features of surface of Mars.
- In Geography, we will be using our research to create a 'Tour Guide To Mars'.
- In History, we will be using our research skills to find out about the history of the exploration of Mars.
- In History, we will be using different sources of information to investigate the credibility of some of the myths surrounding our the history of Mars.