

Mission to Mars! Year 5

Successful Learners

Areas of Learning



As writers, we will be writing letters of application to become an astronaut as well as writing fantasy stories based on the planet Pandora from Avatar.

As mathematicians, we will begin our learning on fractions and focus on adding, subtracting and multiplying 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, building 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 **CAPTURE** learning by focusing on **collaborate**.

We will:

- Explore the difference between negotiation and compromise and when to use this.
- Justify our responses.
- Discuss our ideas and thoughts with others
- Build on what is said
- Listen and respond appropriately .
- Contribute during group work.

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 investigating the life of astronauts as well as researching previous space missions.
- We will also be considering the possibility of life on Mars.

Maths

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 identifying, naming and writing equivalent fractions of a given fraction.
- We will be converting mixed numbers and improper fractions from one form to another. 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.



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

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credibility of some of the myths surrounding our the history of Mars.