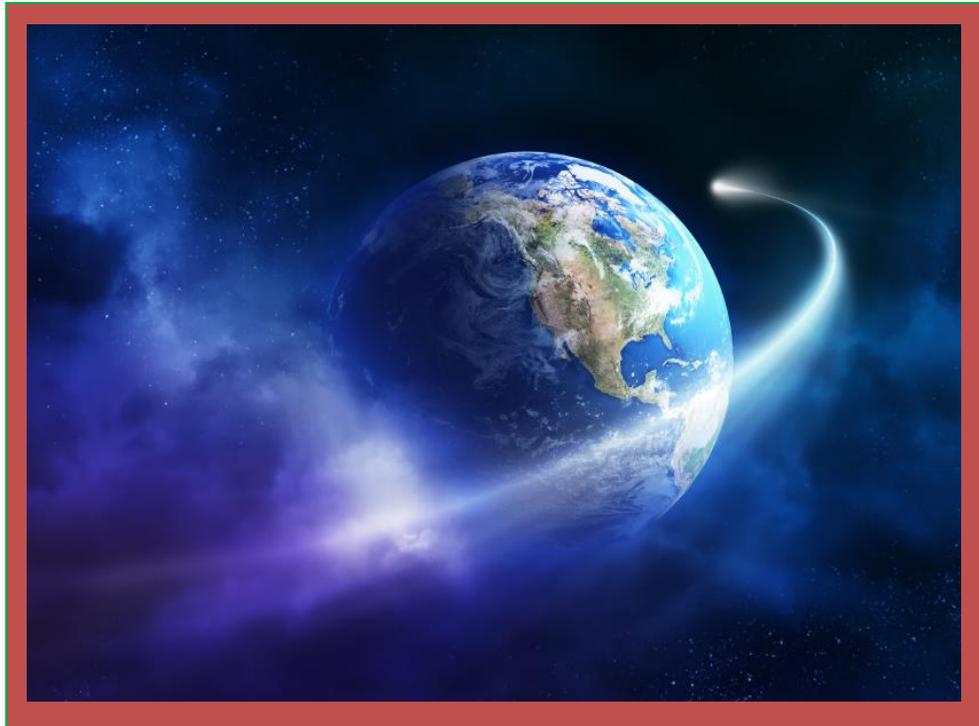


prospectus



Space the final frontier

Essential Knowledge

By the end of this unit children will know...

- Key features and planets of our solar system including facts about environment and conditions.
- Which countries and nationalities have space programmes and how these programmes pioneered and developed space exploration?
- How day and night are created by the earth's rotation.
- What life is like on the International Space Centre including lifestyle, diet, expeditions etc.

Launch

Visit to national space center in Leicester.

Explore

Aliens crash land in school grounds. Interview with reporters about what children think have happened. Interview local resident detailing what they heard/saw.

Energise

Mission to Mars: Official launch day of rockets built by children. Children to launch their rocket models after day of preparation where children decide what necessities they will need for their journey into space.

Celebrate

Children are to showcase their topic work with displays linked to their theme.

Core Subjects:

Links to theme

English

- Children to write diary entries to detail their life in space.
- Children to rewrite the openings to the Iron Man by Ted Hughes.
- Children to write a balanced argument on whether we should spend so much money exploring our universe rather than improving living standards?

Mathematics

- Children make to-scale models of our solar system.
- Children to calculate distance to several planets and work out the amount of fuel required.

Science

- Astronauts' diet– children to research how an astronaut gets their nutrients.
- Children to design their own 'Perfect Alien' that is able to adapt to the different planets.
- Children have to decide which planet they would evacuate to upon the destruction of the earth.
- Children to research the different time zones around the world.

Out of this World Year 5: Theme Content

Personal Development

Spiritual

- Is scientific advancement at odds with the teachings of the bible?

Moral

- Children to debate whether we should spend so much money exploring our universe rather than improving living standards?

Social

- Children work collaboratively in groups to research life on the international space station and conditions on different planets.

Cultural

- Children to research and discuss the meaning of the word alien in modern society and how it is used to signify a clash of cultures.

Foundation Subjects

History, Geography and Citizenship

History:

- Space race– timeline of journeys to space
- Focus on key figures from the space race e.g. Neil Armstrong, Buzz Aldrin and Yuri Gagarin
- Children to research 'Space Disasters' e.g. Challenger Mission 1986, Apollo 13.

Geography:

- Children to research and plot the different launch site around the world
- Children to find out about different countries that have space programmes— which have launch capability?
- What nationalities are represented in the International Space Centre? How do they effectively communicate with each other?

Art and Design and Design Technology

- Children to work in groups to create a model solar system.
- Children to design and make their own rocket.
- Children use coloured chalks to recreate the atmospheric landscape of different planets.

Music, Languages and Physical Education

- Children to create a theme tune for the children's rocket launch.
- Children to study the Planet Suite by Gustav Holt.

Computing

- Children to create their own alien landscapes using a desk-top publishing programme.
- Children to create their own alien character using shapes, grouping, layers and fills.

