



To Infinity & Beyond

Year 1 / Summer Term

Part of Nicholas Postgate Catholic Academy Trust

Curriculum Overview

Learning Challenge: Key Questions & Enquiry

What is the space race?
What could we discover in space?
How has Tim Peake influenced us?

Memorable Experiences

Visits: Life Science Centre Newcastle
Specific Events: Planetarium
History Themed Day: Lunar Landing recreation
Science Themed Day: Take flight!

Learning Environment

Space and Solar system inspired role play area

Space Shuttle/Rocket creation

Inspirational People

Neil Armstrong / Tim Peake

Coverage Summary

As historians we will:

- **Build an overview of history** and understand the impact the Wright Brothers invention had on our society today.
- **Build an overview of history** identify and describe the achievements of Neil Armstrong or Tim Peake.
- **Investigate and interpret the past** using pictures and online sources to find out about the past and space flight.

As geographers we will:

- **Communicate geographically** our findings of the weather in contrasting places around the world and see how the weather is affected by different cloud types.
- **Investigate patterns** by identifying seasonal and daily weather patterns of selected places around the world.

Resources

One Giant Leap – The life of Neil Armstrong – Don Brown
Extreme Weather – CQE, Lift the Teacher – CQE
Perfect Poetry – CQE globalgoals.org
Weather – Art & Design CQE Pg 50 & 52
In the dark of night – Art & Design CQE Pg 62 & 64
Neil Armstrong – CQE History Pg 60 - 61
The first flight – CQE History Pg 84-85
The Moon landing – CQE Pg88-89
The United Kingdom – CQE Geography Pg 38-39
Continents and oceans – CQE Geography Pg 58-59
Mapping the world – CQE Geography Pg 34 – 37
Climate – CQE Geography Pg 66-67
Weather – CQE Geography Pg 69-71

Enriching Texts

One Giant Leap – Don Brown
Man on the Moon – Simon Bartram

English in Context

As writers we will:

- **Sentence construction**
Write letters – to Tim Peake asking questions about his experiences as an astronaut.
- **Present**
Poetry – create and recite poetry linked to space and the weather – The Star by Jane Taylor – CQE Perfect Poetry
- **Imaginative description**
Fantasy narrative – space
- **Organisation**
Write lists, labels & instructions for our rockets and rocket launchers.

Maths in Context

As mathematicians we will:

- **Know and use number.**
Add, subtract and compare temperatures to find difference.
- **Collect weather statistics**
so we can construct pictograms, tally charts, block diagrams and tables.
- **Measures**
Take and record daily temperature and rainfall measurements.

Computing

As users of technology we will:

- **Collect**
Use simple databases to record information related to the weather.
- **Code**
Use clicks to access information related to planets. Use applications to share their planet knowledge with a wider audience.

Science in Context

As scientists we will:

Work scientifically

Physics – Understand movement, forces and magnets

- Re-create the way the astronauts moved during the first moon landing. Develop an understanding of how things move and make comparisons for different types of movement.

SMSC

Using our British Values we will:

- **Spiritual** – Show a creative impulse
- **Moral** – Have an ability to think through the consequences of their own and others actions
- **Social** – Work successfully as a member of a group or team
- **Cultural** – Develop a regard for the heights of human achievement

Catholic Social Teaching

As followers of Christ we will:

- **Care for God's creation**
Plant sunflower seeds and look after the plants as grow. Identify different ways that we can care for the environment and take part in one of these.

Art & Design Technology

As artists and designers we will:

- **Master techniques**
Use collage to create cloud formations.
- **Take inspiration from the greats**
Use the work of artists and photographs to inspire our own night time and space artwork. (Van Gogh)
- **Take inspiration from the greats**
Explore the work of artists to show how colour is used to recreate effects. (JMW Turner)
- **Design, make, evaluate and improve** a rocket and rocket launcher.

Music

As musicians we will:

- **Listen & Compose**
Take inspiration from NASA space sounds and the Dr Who theme tune to compose music which creates a space journey.
- **Perform**
Produce a performance using percussion and the voice to create effects and moods within music.

