

SCIENCE: Earth Space and Forces

1. **What do we know about space Can we prove? Like to find out?**
Discovery session on Space. **What are spherical bodies?** Describing the Sun, Earth and Moon as approximately spherical bodies **What is the movement of Earth in relation to other planets?** Describing the movement of the Earth, and other planets, relative to the Sun in the solar system by learning the order of the planets and how they move in the solar system.
2. **How do day and night occur?** Using the idea of the Earth's rotation to explain day and night and the apparent movement of the Sun across the sky by examining why the sun appears to move and the arguments for the Earth's rotation. **What is the movement of the moon in relation to the Earth?** Describing the movement of the Moon relative to the Earth by explaining how the Moon orbits the Earth.
3. **What variables could affect crater size on Earth? The moon?** Take careful measurements using a range of equipment
4. **What is Friction? What would make the best wheels to use on a space buggy?** Report and present findings from enquiries Identify and investigate the effects of friction on moving **surfaces**
5. **Who was Katherine Johnson?** Write a biography about her life (golden opportunity)

ART:

1. Art drawing assessment – still life shoe drawing

Surface and colour: Peter Thorpe Inspired art / Layering / collage of the earth.

2. Who was Peter Thorpe? – comment on artist artwork
3. What are different mediums in art? Experimenting with different mediums
4. Design and create rocket using
5. create space background using mixed textures (rough and smooth, plain and patterned)
- 6 Evaluation of their art work- what could be improved next time.

DT:

Mechanisms and electrical: Design, make a space buggy (Space station trip workshop)

Computing:

Creating Media - Vector Drawing

1.

MFL:

Following Music scheme of work

ENGLISH:

To discuss: Recounts: Biographies and Autobiographies – link to Buzz Aldrin / balanced arguments

To entertain: Science fiction

Golden Opportunities: Eye witness statement/ non chronological report

What's Out there?



Launch: Nasa Space centre workshop

Landing: National Space centre visit

LFL:

Peculiar feelings
Emotional changes
Seeing stuff online
Making babies

MUSIC:

10 week Guitar lessons with specialist.

The Big questions...

HISTORY: History of the space race.

1. **What is the Space race?** **To build an overview of world history:** Compare some of the times studied with those of the other areas of interest around the world.
2. **What is the historical timeline of space?** **To understand chronology:** Use dates and terms accurately in describing events/ Identify periods of rapid change in history and contrast them with times of relatively little change

Geography: The geographical aspects of the planets

1. **What biomes and climates are found on different planets?** **To investigate patterns:** Describe and understand key aspects of physical geography/ understand some of the reasons for geographical similarities and differences
2. **What can be seen all over the world from space?** **To investigate places:** Use a range of geographical resources to give detailed descriptions and opinions of the characteristic features of a location
3. **What countries are involved in the space exploration?** **To investigate places:** Use a range of geographical resources to give detailed descriptions and opinions of the characteristic features of a location

RE Dialogue and Encounter

Who wrote the Bible? How long ago?

Understand that the Bible came together over a period of more than a thousand years containing sacred texts from Judaism, the four Gospels, and other early writings of the Church.

What was God's Covenant with God? Why is it still important for us today?

Know God's covenant with Abraham is the foundation of the faith of the people of the Old and New Testaments: Judaism and Christianity

Who inspired the writers of The Bible? In what language?

Know that the word of God through the Holy Spirit is The Bible translated from and to many languages

How is Judaism linked to Christianity?

Understand the basic principles of Judaism and describe some of their rituals and Holy artefacts

Know that the Church teaches that Sacred Scripture is the inspired Word of God and the Church helps Catholics read and understand the Bible