



Rumboldswyke Church of England Primary School

Part of the Bishop Luffa Learning Partnership

'Love life, love learning, love God's world'

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Year 5 Curriculum Letter – Autumn Term – Mr Dickin

Welcome to Year 5! This half term, we will be learning about Earth and Space in our topic Cosmic! We are planning to visit the Southdowns Planetarium and will let you know the date for this visit as soon as possible. The children will be learning about the wonders of our universe in preparation for an exhibit on Earth and Space at the end of the half term.

Literacy – Reading, Writing and Comprehension

This half term, our topic focus is all about Earth and Space under the title Cosmic! We will also be reading the book Cosmic by Frank Cottrell-Boyce and our first English unit will be based around this text. We will write diary entries as if we were stuck in Space using our understanding of narratives to entertain our reader.

Children will then use their learning in Science to produce an information page about Earth and Space which will form part of our exhibition on space; this will be our authentic outcome.

Quality texts which will be used to enhance learning:

Our main quality text for this learning experience will be:



Science

In science, children will learn about the movements of the Earth and moon relative to the sun. They will also learn how these movements create day and night and the seasons. Children will then learn about the phases of the moon before finding out more about the history of astronomy and research a planet of the solar system in more detail.

DT

Children will build their own space buggies in DT, considering the necessary features needed to navigate the surface of the moon. They will learn new techniques to join materials and how to create axles and bearings that enable their buggy to move. This will also build on children's learning on electrical circuits in year 4.

History

In history, children will build on their learning in science and look at the history of astronomy completing a timeline of key events. They will identify periods of rapid change in history and contrast them with times of relatively little change and describe the main changes in a particular period of history.

Computing

Children will be creating a moon rover game. They will create their own sprite and backdrops before coding their sprite to move around their backdrop collecting samples from the surface of the moon. Later on, they will add time limits and a points tally when their sprite collects samples.

Maths – Place Value, Addition and Subtraction. The children will consolidate learning from year 4 and

Number and Place Value

- Represent a problem in a variety of ways
- Read, write and represent numbers in a variety of ways,
- Identify the value of digits in numbers,
- Round numbers to the nearest 10, 100 and 1000

Addition and Subtraction-

- Add and subtract whole numbers with more than 4 digits, including using formal written methods
- Add and subtract numbers mentally with increasingly large numbers
- Use rounding to check answers to calculations and determine, in the context of a problem, levels of accuracy
- Solve addition and subtraction multi-step problems in contexts, deciding which operations and methods to use and why

Knowledge Organiser...

Vocabulary

Orbit rotate axis Earth
Season moon phase tilt
Sun waxing waning crescent
Eclipse solar system gibbous

Scientific Facts

The Earth takes a year to orbit the Sun.
The moon takes 28 days to orbit the Earth.
The Earth's rotation creates day and night.
The Earth's tilt creates the seasons as it orbits the Sun.
The seasons differ depending where you live in the world.
The appearance of the moon changes as it orbits Earth.
We see the part that is lit up by the Sun.
The planets of the solar system are Mercury, Venus, Earth, Mars, Jupiter, Saturn, Uranus, Neptune and Pluto (dwarf planet).

Housekeeping...

Adults in Green Class

Mr Dickin (Class Teacher)
Miss Boyd (Learning Support Assistant)
Mrs Gilbert (PPA Cover Teacher - Wednesdays)

P.E.

PE will be on a Tuesday and a Thursday.
Children are to wear their PE kit to school so they do not need to come into school in their uniform.

Assessments

- NFER (October 2023 & June 2024)

Ideas for supporting your child's learning:



Read with your child (and to your child!) every day – make it a part of your daily routine; be it at breakfast time, bedtime or somewhere in between. It makes a HUGE difference to their confidence and enjoyment!



When reading, question your child on what is happening to check their comprehension, discuss their favourite part/character and why this is.



Help your child to practise and recall their times tables – up to the 12s!

**With very best wishes,
Mr Dickin**