

Curriculum Overview— YEAR 5

Autumn 2 2018



English

Theme: 'Space'

Class Novel: *Cosmic and The Day in the Life of Bob-Man on the Moon.*

Spoken language: Use spoken language to develop understanding through speculating, hypothesising, imagining and exploring ideas

Writing: Select appropriate grammar, write letters and narratives, particularly Myths and Legends, describe settings, characters and events. Proof read work checking spelling and punctuation.

Reading: Retrieve, record and present information from fictional and non fictional texts.

At home: Read a variety of texts relating to Space and discuss key features. Use these to enhance their knowledge of the Solar System and beyond.

Creative Curriculum

Theme: 'Stargazers'

The children will be learning:

To create models of the Solar System.

Design, edit and evaluate their own model of a spaceship.

Use maps and atlases to locate countries, oceans, continents, rivers, mountains and volcanoes.

To research and summarise how scientists have influenced the world- Galileo Galilei and Isaac Newton.

Perspective drawing.

To create their own portrayal of a fictional planet.

PSHE Paths

Theme: *Goals and Identity*

The children will learn:

- What a goal is.
- How to set a goal
- Overcoming obstacles to ensure you reach your goal.



Science

Theme: 'Earth and Space'

In this unit pupils will describe the movement of Earth, and other planets, relative to the Sun in our Solar System. They will describe the movement of the Moon relative to Earth and describe the Sun, Earth and the Moon as approximately spherical bodies. Pupils will use the idea of Earth's rotation to explain day and night and the apparent movement of the Sun across the sky. They will also have the opportunity to find out about how ideas about the solar system have developed and changed over time.

Working Scientifically, children will have the opportunity to plan an enquiry using a shadow stick and look at changes over time. They will take accurate measurements of the shadows formed, decide how to record them and present their findings. They will also identify scientific evidence that has been used to support or refute changing ideas about the Solar System.

Maths

Theme: *statistics/Multiplication and division/Area and Perimeter*

The children will learn:

To complete and interpret data in line graphs

To interpret data in timetables

To multiply and divide mentally using known multiplication facts

To identify patterns of multiples between numbers

To identify patterns of multiples between numbers

To recognise and represent square numbers

To identify and explain prime numbers

To describe numbers and patterns using known facts

To solve problems using known facts

To multiply a two or three-digit number by a one-digit number

To multiply a three-digit number by a two-digit number using expanded long multiplication

To divide a three-digit number by a one-digit number using short division

To divide and interpret remainders (appropriate for the context)

To multiply and divide whole numbers by 10, 100 and 1000

To calculate the perimeter of simple shapes

To calculate the perimeter of composite rectilinear shapes

To estimate the area of irregular shapes

At home:

Practise times tables to 12 x 12. Revise skills using Bitesize

<http://www.bbc.co.uk/education/subjects/z826n39>

Year 5 Topic: Stargazers

R.E

Theme- 'The Christmas Story'

The children will learn about:

- To be able to understand the importance behind the story for Christians.
- To evaluate different accounts of the story.

PE

Theme : 'Invasion Games'

The Children will learn to:

- Develop their team playing skills.
- Learn how to defend
- Learn how to attack to score

Computing

Theme: 'We are Cryptographers'

Children will learn more about communicating information through Cryptography (the science of keeping communication and information a secret). They will investigate early early methods of communicating over distances, learn about two early ciphers and consider what makes a secure password.

This unit will enable the children to:

- be familiar with semaphore and Morse code
- Understand the need for private information to be encrypted.
- Encrypt and decrypt messages in simple cyphers.
- appreciate the need to use complex passwords and to keep them secure

Music

Theme- *Classroom Jazz 1*

The children will learn about:

- The history of Jazz
- Listen to 'Three Note Bossa by Ian Gray
- Appraise and perform their own compositions

French

The children will be learning:

- Colours
- Names of fruit
- Days of the week
- Months of the Year