



Year 5 - Autumn Term (1 and 2)

'Bright Sparks' and 'To Infinity & Beyond'



Topic

In Science, we'll be finding out how to:

Describe the movement of the Earth and other planets relative to the sun in the solar system; describe the movement of the moon relative to the Earth; describe the sun, Earth and moon as approximately spherical bodies; use the idea of the Earth's rotation to explain day and night and the apparent movement of the sun across the sky; plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary; take measurements, use a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate; record data and results of increasing complexity using scientific diagrams and labels, classification keys and tables.

Describe the functions of the main parts of the brain. Compare the size of planets and their distances from the Sun. Describe some of the constellations. Consider why we have different seasons.

In Art and Design, we'll be finding out how to:

Create sketch books to record observations and use them to review and revisit them; to improve their mastery of art and design techniques, including drawing, painting and sculpture with a range of materials.

Create a model of the brain. Draw planets to scale. Create an imaginary planet. Make constellations. Use various media to create artwork of nebulae.

In Computing, we'll be finding out how to:

Design, write and debug programs that accomplish specific goals, including controlling or simulating physical systems; solve problems by decomposing them into smaller parts. use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content

Use a coding package; research information about planets using the Internet and decide which information is reliable and up-to-date

In Design and Technology, we'll be finding out how to:

Select from and use a wider range of materials and components, including construction materials, according to their functional properties and aesthetic qualities: evaluate their ideas and products against their own design criteria and consider the views of others to improve their work

Creating Space Stations according to success criteria

In RE, we'll be finding out about:

Christian Beliefs and Lifestyles (in accordance with the Lincolnshire Agreed Syllabus).

In History, we will be:

Completing a study of an aspect or theme in British history that extends pupils' chronological knowledge beyond 1066

Studying the history of Space travel

In Music, we will be finding out how to:

Play and perform in solo and ensemble contexts, playing musical instruments with increasing accuracy, fluency, control and expression; appreciate and understand a wide range of high-quality live and recorded music from great composers and musicians

Learning to play trumpets and trombones; listening to Holst's Planets and deciding which planet each piece of music represents

In PSHCE, we will be finding out about:

How our learning styles can be different: Multiple Intelligences theory: Developing a growth mind-set and belief in ourselves as learners.

In English, we will be:

- Studying word classes
- Reading, researching and writing report texts
- Writing descriptive imaginary settings and character studies for narrative writing
- Recounting special activities
- Develop spellings through investigating patterns
- Sharing a range of texts including Space information, Roald Dahl books and class readers

In Maths, we will be:

- Developing knowledge of place value
- Adding and subtracting using formal written methods
- Multiplying and dividing using formal written methods
- Problem solving and reasoning using all operations
- Multiply and divide mentally using known facts
- Finding factors, multiples and square numbers
- Solve problems using information from graphs
- Complete, read and interpret tables

Inspiration

Planetarium.

Space Sleepover