

Year 5 Curriculum Overview - Space (A)

English

Texts

Cosmic by Frank Cottrell-Boyce
Poems from Cosmic Disco
Moon mad (Grace Nichols)

Reading objectives

Recommending books that they have read to their peers, giving reasons for their choices
 Identify how language, structure and presentation contribute towards meaning
 Discuss how authors use language, including figurative language, considering the impact on the reader
 Reading books that are structured in different ways and reading for a range of purposes
 Drawing inferences such as inferring characters feelings, thoughts and motives
 Continuing to read and discuss an increasingly wide range of fiction, poetry, plays, non-fiction and reference books.
 Read books that are structured in different ways and read for a range of purposes, including fairy stories, myths and legends, and retell some of these orally
 Make predictions and inference based on what has been said and done.
 Draw on what they already know or on background information and vocabulary provide by the teacher.
 Ask and answer questions about a text-explain and discuss their understanding of books, poems and other materials.

Writing outcomes

Narrative
 Discursive writing
 Balanced argument

GPS

Choosing nouns and pronouns appropriately, use noun phrases expanded by modifying, adjectives, nouns, and preposition phrases.
 Using commas after fronted adverbials.
 Use of inverted commas and other punctuation devices to indicate direct speech.

Music

Listen and appraise classic rock songs
 Build on your knowledge and understanding about interrelated dimensions of music.
 Perform the song

Physical Education

Football

Choose skills that meet the needs of the situation
 Participate in competitive games
 Show good awareness of others in game situations

Gymnastics

Link skills to make actions and sequences of movement

PSHE, RSE and Safety

PSHE and RSE

Manging friendships and peer influence
 Physical contact and feeling safe
 Responding respectfully to a wide range of people; recognising prejudice and discrimination.

Safety

Bonfire safety
 Pedestrian skills

E-Safety

Understand online discrimination
 Understand online stereotyping
 Know that online content contains fact, opinion and bias
 Know how to assess the reliability of online content

Mathematics

Number – place value

Read, write, order and compare numbers to at least 1000000 and determine the value of each digit.
 Count forwards or backwards in steps of powers of 10 for any given number up to 1000000.
 Interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers including through zero.
 Round any number up to 1000000 to the nearest 10, 100, 1000, 10000 and 100000.
 Solve number problems and practical problems that involve all the above.
 Read Roman numerals to 1000 (M) and recognise years written in Roman numerals.

Number- addition and subtraction

Add and subtract numbers mentally with increasingly large numbers.
 Add and subtract whole numbers with more than 4 digits, including using formal written methods (columnar addition and subtraction)
 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.

Religious Education

Why are some places and journeys special?

Identify and explain features of some special places and journeys
 Suggest reasons why special places and journeys inspire people
 Investigate places of pilgrimage and reflect on the challenges involved in the journey



Art & Design

Peter Thorpe- Artist study

Create a fact file about Peter Thorpe.
 Look at and observe the artwork created by Peter Thorpe.
 Use the techniques used by Peter Thorpe.
 Paint a space themed picture in the style of Peter Thorpe; using an abstract art background and space feature in the foreground.

French

As-tu un animal? (Do you have a pet?)

Learn the eight nouns and matching gender articles for the different pets
 Use the phrase "J'ai..." ("I have...") plus a pet and the conjunction "et" ("and")
 Learn and use the structure "qui s'appelle..." ("that is called...")
 Use the negative structure "je n'ai pas de / d'..."
 Use a new conjunction "mais" ("but")

Science

Earth and Space

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

Working scientifically

Is there a pattern between the size of a planet and the time it takes to travel around the sun?
 Can you observe and identify all the phases in the cycle of the moon?
 How have our ideas about the solar system changed over time?

Interpreting data

How does the length of daylight hours change in each season?
 How can the suns shadow help us to tell the time?

Computing

We are game developers

Design, write and debug programs
 Use sequencing, selecting and repetition in programs
 Use logical reasoning to explain how simple algorithms work.
 Detect and correct errors.
 Select use ad combine a variety of software.

History

History of Space

Learn about the exploration of space
 Understand the importance of the space race and the conspiracies surrounding it
 Know what astronauts do, how they train and what their lives are like in space
 Understand and recount the alternate views of the moon landing
 know how the moon landing influenced space exploration.



Enhancements

Trips and visitors

Planetarium

Debate

Is it okay to pollute the atmosphere just to explore Space?