

Year 5 Curriculum Overview - Space (B)

English

Texts

Escape from Pompeii

Venus

A telescope called Hubble

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

Biography of a famous person

Interviews

Poetry

GPS

Use relative clauses beginning with who, which, where, when, whose, that

Use modal verbs to indicate degrees of possibility, e.g. might, should will, must

Use adverbs to indicate degrees of possibility, e.g. perhaps, surely.

Terminology:

Relative pronoun

Relative clause

Modal verb

Music

Listen and appraise Jazz tunes

Learn about interrelated dimensions of music through; playing instruments and improvising

Perform and share your work

Physical Education

Dance- Olympic themed

Boxing bout dance

Athletics themed dance

Tag Rugby

Keep control of the ball when running and passing

Pass and catch the ball whilst running at different speeds

PSHE, RSE and Safety

Personal Development

Manging friendships and peer influence

Physical contact and feeling safe

Responding respectfully to a wide range of people; recognising prejudice and discrimination.

Safety

Be safe, be seen

Stranger Danger

Mathematics

Number – multiplication and division

Multiply and divide numbers mentally drawing upon known facts.

Multiply and divide whole numbers by 10, 100 and 1000.

Multiply numbers up to 4 digits by a one- or two-digit number using a formal written method, including long multiplication for 2-digit numbers. Divide numbers up to 4 digits by a one-digit number using the formal written method of short division and interpret remainders appropriately for the context.

Identify multiples and factors, including finding all factor pairs of a number, and common factors of two numbers.

Recognise and use square numbers and cube numbers and the notation for squared (2) and cubed (3)

Solve problems involving multiplication and division including using their knowledge of factors and multiples, squares and cubes.

Solve problems involving addition and subtraction, multiplication and division and a combination of these, including understanding the use of the equals sign.

Statistics

Solve comparison, sum and difference problems using information presented in a line graph.

Complete, read and interpret information in tables including timetables.

Religious Education

What values are shown in codes for living?

Make connections between morals and values found in religious teachings and everyday life.

Identify and explain similarities and differences between Humanist, Muslim and Christian values

Investigate and apply ideas about values and how people choose to live their lives.

Discuss and give examples of right and wrong, love, forgiveness, truth, consequences and honesty.



Design & Technology

Bridges

Explore how to create a strong beam

Build a spaghetti truss bridge

Build a wooden bridge structure

Improve and reinforce a bridge structure

French

Quelle Est La Date Aujourd'hui? (What is the Date?)

Learn the months of the year in French consolidate my knowledge of the months of the year in French

Say the date in French

Say when my birthday is in French

Complete a reading exercise and create a French calendar

Science

Forces

Explain that unsupported objects fall towards the Earth because of the force of gravity acting between the Earth and the falling object

Identify the effects of air resistance, water resistance and friction, that act between moving surfaces

Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.

Working Scientifically

How long does a pendulum swing for before it stops? Do all objects fall through water in the same way?

Can you label and name all the forces acting on the objects in each of these situations?

How do submarines sink if they are full of air?

How have our ideas about gravity changed over time?

Which shoe is the most slippery?

Which shape parachute takes the longest to fall?

How does the surface area of a parachute affect the time it takes to fall to the ground?

Interpreting data

Interpret and construct pie charts and line graphs and use these to solve problems.

Calculate and interpret the mean as an average.

Computing

We are web developers

Discuss ideas for creating your website.

Learn how Search works.

Build your web pages.

Add artwork, audio and video to your pages.

Review, and help improve, each other's pages.

Collect final feedback and publish your site.

Geography

Natural Disasters

Locate volcanoes on a map.

Know how volcanoes are formed.

Identify the construction of a volcano.

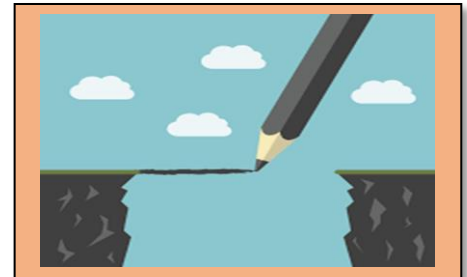
Describe a volcanic eruption.

Understand about earthquakes and plate tectonics.

discuss living on a fault line.

Understand how to survive an earthquake.

Draw a field sketch to show a change in environment.



Enhancements

Trips and visitors

Debate

Should people live near active volcanoes?