

Year 6 Curriculum Overview - Autumn Term



MATHS

- Place value of numbers to 10, 000, 000
- Powers of 10
- Compare, order and round numbers
- Negative numbers
- Add and subtract large numbers using column method
- Common factors and multiples
- Prime numbers to 100
- Square and cube numbers
- Multiplication and division
- Order of operations
- Brackets
- Equivalent fractions and simplifying
- Add and subtract fractions
- Multiply and divide fractions
- Fractions of an amount
- Metric and imperial measures



ENGLISH

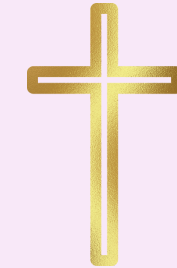
- Our first book is '**Star of Fear, Star of Hope**' by Jo Hoestlandt
- Describe settings, characters and atmosphere.
- Draw inferences (characters' feelings, thoughts and motives); justify with evidence.
- Use inverted commas and other punctuation to punctuate direct speech.
- Use expanded noun phrases to convey complicated information concisely.
- Write a story with a flashback including a section in recount genre e.g. diary, letter, eye-witness account.
- Write a non-chronological report to link with World War 2.



ENGLISH

Our second book is '**Can We Save the Tiger?**' by Martin Jenkins

- Produce a report based on an amazing animal (including information, explanation and persuasion).
- Write and present a 'Newsround' style TV news story about the tiger crisis.
- Use the Jungle Book film clip and text to inspire a diary entry of Mowgli's first meeting with Shere Khan.
- Use modal verbs or adverbs to indicate degrees of possibility.
- Use brackets, dashes or commas to indicate parenthesis.
- Use clear organisational features e.g. heading and subheadings.



RE

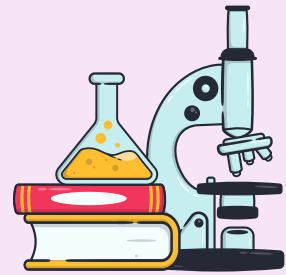
Our first theme is '**Creation and Covenant**'

- Explore the story of Moses and the burning bush.
- Understand what a covenant is and how it applies to everyday life.
- Know why God gave the 10 commandments and how they might apply to us today.

Our second theme is '**Prophecy and Promise**'

- Explore how Jesus was the fulfilment of God's promise to King David.

Year 6 Curriculum Overview - Autumn Term



SCIENCE

Living things and their habitats:

- Identify the differences between living and non-living things and the key conditions for life.
- Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals.
- Explore the work of the scientist Carl Linnaeus who was a pioneer in the work of classification.

Adaptations, evolution and fossils:

- Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.
- Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.
- Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.
- Find out about the work of palaeontologists such as Mary Anning and how Charles Darwin and Alfred Wallace developed their ideas on evolution.



GEOGRAPHY

Our theme is '**Extreme Earth**'

- Find out about the Earth's climate and areas of extreme temperatures.
- Learn about the water cycle and the distribution of water across the world.
- Explore examples of extreme weather conditions around the world including lightning, floods, typhoons, hurricanes, blizzards and hail storms.
- Learn about tectonic plates and how the movement of these can cause earthquakes.
- Find out about how and why tsunamis occur.
- Learn how volcanoes are formed and what happens when they erupt. Find out the difference between active, dormant and extinct volcanoes.



HISTORY

Our theme is '**Medicine and Diseases**'

- Learn about the medical practices of prehistoric civilisations and Ancient Egyptians.
- Explore the Roman attitude towards health and medicine and how this was influenced by the Greeks.
- Investigate Medieval medicine and the events during the Black Plague.
- Explore the medical practices of the Tudor period.
- Research the medical advancements and significant people during the Victorian period.
- Explore medicine in the 20th and 21st century.



ART

Art

Our theme is '**Express Yourself**'

- Explore how clothing can be used to express personalities and interests.
- Observe and draw different facial expressions.
- Create wire models to express body language.
- Show how lines and fonts can express ideas.
- Explore how artists use colour to express themselves in their art.
- Study the artwork of the artist Chuck Close and explore his techniques.

Year 6 Curriculum Overview - Autumn Term



DESIGN TECHNOLOGY

Our theme is '**Moving Toys**'

- Recognise the movement or mechanism within a toy or model.
- Investigate examples of cam toys and understand how they work.
- Explore how different shaped cams affect movement.
- Design a sturdy structure for a moving toy and suggest how to strengthen it.
- Use a range of tools and materials.
- Evaluate a design considering how it could be improved.

Christmas Lantern Workshop

- Creating a Christmas lantern for the *Camborne Festival of Lights* with a local artist (2 day workshop)



COMPUTING

Our first theme is
'**Managing Information Online**'

- Explain how search engines work and how results are selected and ranked.
- Know how to use search technologies effectively.
- Describe how some online information can be opinion and can offer examples.
- Explain how and why some people may present 'opinions' as 'facts'.
- Explain why information that is on a large number of sites may still be inaccurate or untrue.
- Know how to identify, flag and report inappropriate content.

Our second theme is '**Online Relationships**'

- Explain how sharing something online may have an impact either positively or negatively.
- Understand that taking or sharing inappropriate images of someone may have an impact for the sharer and others.



PE & RSHE

P.E.

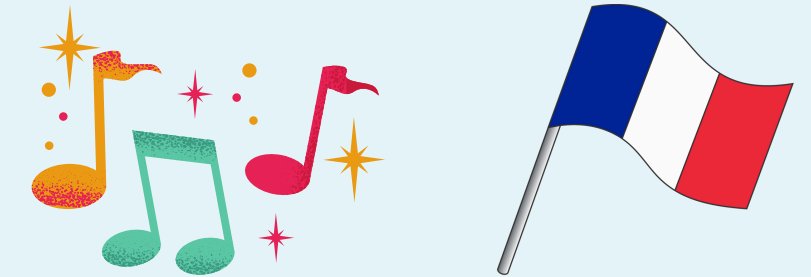
- Develop skills in hockey and football. This will include improving dribbling, passing, shooting, and ball control. Children will learn basic rules of the games, simple game strategies and improve positional awareness.

R.S.H.E.

Our theme is

'**Created and Loved by God**'

- Appreciate physical and emotional differences.
- Understand physical changes in girls and boys bodies.
- Reflect on body image and feelings.
- Explore the impact of the internet and social media on emotional well-being.



MUSIC & FRENCH

Music

- Perform confidently from memory, solo or in an ensemble.
- Sing or play expressively and in tune.
- Maintain a part in a round.
- Sing harmony accurately and with confidence.

French

- The date - days of the week, months of the year etc.
- Pets