

Design and Technology - Mechanical Systems

Children will learn to -

- respond to a real-life design brief and design for a specific user
- understand how pulley systems and cranks work to move loads
- make a stable, working model of a lift using simple materials
- test and improve designs to ensure balance, safety and smooth movement
- present ideas clearly using labelled models, maps, and pros and cons tables.



Year 5 Block 4

Monday 2nd February -
Friday 20th March 2026

Religious Education — Commitments and Meanings: Hindu, Muslim and Christian

Children will be learning to -

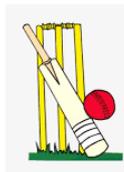
- explore commitment and belonging through discussion and activities
- explore Holi, Eid al-Fitr and Easter and why they are important
- reflect on life as a journey and identify what guides and supports people
- understand how religious stories express beliefs and values.

PE — Striking and Fielding

Cricket

Children will learn to:

- throw and bowl in different ways
- play a drive shot successfully
- play a block shot when appropriate
- stop a ball when fielding
- choose effective positions when fielding.



Computing - Game Creator

Children will learn to -

- plan a game
- design and create the game environment
- design and create the game quest
- finish and share the game.

History — Fight for Freedom

Children will learn to -

- explain what 'civil rights' are and what 'revolutionary' means
- compare significant events on a timeline of America in the 19th century to 19th century Britain
- explain the main causes of the American civil war
- name historical figures of interest such as Sitting Bull and Harriet Tubman
- describe ways of life in the 19th century
- explain the cause and effect of historical events
- use historical sources to inform their learning.



Music - Music Speaks

Children will learn to -

- understand the style features of Hip Hop music
- use a DAW (digital audio workstation) to create digital music
- understand the importance of repetition and contrast in music.

PSHE - Healthy Lifestyle

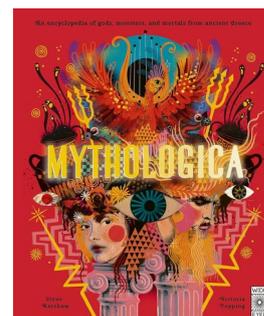
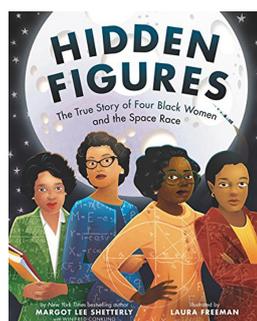
Children will learn to -

- know the health risks of smoking
- know the risks of alcohol misuse
- know some basic emergency aid procedures
- know what makes a healthy lifestyle including healthy eating choices.

Picture News

Picture News is a weekly news resource which covers a range of current topics including political, religious, cultural, environmental, social, moral and spiritual issues. Each week, a current news story is chosen and presented in a child-friendly way. As part of the assemblies, an image and thought-provoking question are shown to children linked to the topic. Children will then have the opportunity to discuss and debate answers to the given weekly questions.

Children will also read engaging weekly news articles designed to widen their knowledge about the world around them and help them discover new interests.

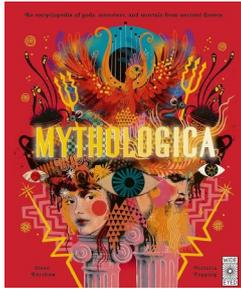
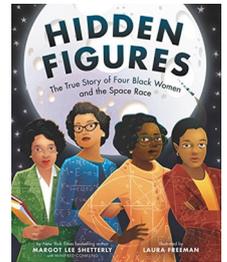


Class Reads

'Hidden Figures' by Margot Lee Shetterly and 'Mythologica' by Dr Stephen P Kershaw.

English

Year 5 will be reading 'Hidden Figures' by Margot Lee Shetterly. Throughout this book, children will learn about the achievements and determination of four iconic women at key moments in American and world history. During Grammar and Writing lessons, children will continue to practise using conjunctions to link and extend clauses. They will also learn how to use brackets, dashes and commas to mark parenthesis. Taking inspiration from the book, children will write for a range of purposes, learn how to use formal and informal grammatical structures and vocabulary and identify when it is appropriate to use these. To improve their pieces of work, they will spend time editing, focusing on spelling, punctuation and grammar. Children will also continue to practise using neat, joined handwriting as this is a requirement for all children by the end of Year 6



To develop their Reading skills this half-term, children will be studying 'Mythologica' by Dr Stephen P Kershaw. This illustrated encyclopaedia of Greek mythology explores the lives of powerful gods and goddesses, earth-dwelling mortals and terrifying monsters all the way back to Ancient Greece. When reading this book, children will develop their retrieval and inference skills. They will also discuss and define any new vocabulary that they encounter.

We would ask that children in Year 5 aim to read for twenty minutes a day at home. All children in Year 5 will have a book to read at home from our school reading scheme and a library book of their choice.

Mathematics

Children will be learning to -

- recognise and use thousandths and relate them to tenths, hundredths and decimal equivalents
- round decimals with 2 decimal places to the nearest whole number and to 1 decimal place
- use approximate equivalences between metric units and common imperial units
- measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres
- calculate and compare the area of rectangles (including squares) including using standard units, square centimetres and square metres and estimate the area of irregular shapes
- estimate volume and capacity
- convert between different units of metric measurements
- use all four operations to solve problems involving measure using decimal notation including scaling.

Science - Light

Children will be learning -

- how light travels and that it appears to travel in a straight line
- to explain how objects are seen because they give out or reflect light into the eye
- that white light is made up of a spectrum of colours
- to draw diagrams representing travel of light from objects to the eye
- to investigate the formation of shadows and compare them to the objects that cast them.



Throughout this topic, children will record and present their results in different ways. They will then use these results to identify patterns and draw conclusions using their scientific vocabulary. Children will evaluate investigations considering how to improve their investigative work in the future.