Year 5 Curriculum Overview Spring 2023

ENGLISH

Writing

Texts used:
Hidden Figures by Margot Lee Shetterly
Curiosity: The Story of a Mars Rover by Markus Motum

Fiction
We will be learning the following:

- Characterisation (detailed descriptions)
- Opinion pieces in the P.O.V. of the characters.
- Using parenthesis and relative clauses to construct detailed sentences.
- To punctuate reported and direct speech.
- Write in paragraphs, using a comma after a fronted adverbial.
- Edit and check writing.

Non-Fiction

- Non-chronological reports
- Formal persuasive letters
- Informal letters and diary entries
- Short explanations
- News reports

Poetry
We will:

- Learn about and practise performance poetry.
- Write free-verse poems about the planets.

Reading

Texts used:
Overheard in a Tower Block by Joseph Coelho
The Race to Space by Clive Gifford and Paul Daviz
Who Let The Gods Out by Maz Evans

Through our reading and study of these texts, we will practise and develop the skills of:
Identifying and understanding new vocabulary; inference; prediction; explaining our ideas; retrieval of information from the text; summarising a passage of text.

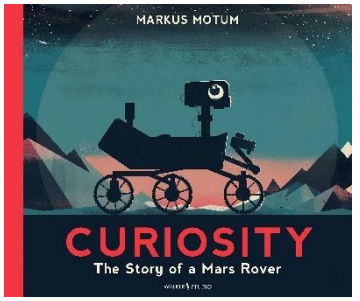
KS2 Reading Content Domains

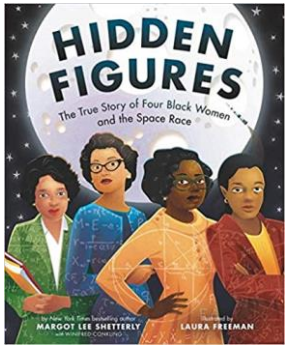
	Content Domain	
Author Choice	2g:	Identify/explain how meaning is enhanced through choice of words and phrases.
Vocabulary	2a:	Give/explain the meaning of words in context.
Compare, Contrast & Comment	2f:	Identify/explain how information/narrative content is related and contributes to meaning as a whole.
	2h:	Make comparisons within the text.
Retrieval	2b:	Retrieve and record information/identify key details from fiction and non-fiction.
Inference	2d:	Make inferences from the text/explain and justify inferences with evidence from the text.
Summary	2c:	Summarise main ideas from more than one paragraph.
Prediction	2e:	Predict what might happen from details stated and implied.

Spelling

We will be learning and investigating:

- To investigate endings which sound like shus spelt cious or tious.
- To investigate i before e except after c when the sound is ee.
- To further investigate words with silent letters.
- To investigate homophones focusing on ce and se.
- To investigate homophones and other words that can be confused.
- Each week, we will focus on two spellings from the Years 5/6 Statutory Spelling List.





MATHS

Multiplication & Division B

- Multiply up to a 4-digit number by a 1-digit number Multiply a 2-digit number by a 2-digit number (area model)
- Multiply a 2-digit number by a 2-digit number Multiply a 3-digit number by a 2-digit number Multiply a 4-digit number by a 2-digit number
- Solve problems with multiplication Step 7 Short division
- Divide a 4-digit number by a 1-digit number
- Divide with remainders
- Efficient division
- Solve problems with multiplication and division

Perimeter and Area

- Perimeter of rectangles
- Perimeter of rectilinear shapes
- Perimeter of polygons
- Area of rectangles
- Area of compound shapes
- Estimate area

Statistics

- Draw line graphs
- Read and interpret line graphs
- Read and interpret tables
- Two-way tables
- Read and interpret timetables

Fractions A

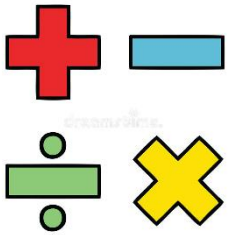
- Find fractions equivalent to a unit fraction
- Find fractions equivalent to a non-unit fraction
  Recognise equivalent fractions
- Convert improper fractions to mixed numbers
- Convert mixed numbers to improper fractions
- Compare fractions less than 1
- Order fractions less than 1
- Compare and order fractions greater than 1
- Add and subtract fractions with the same denominator
- Add fractions within 1
- Add fractions with total greater than 1
- Add to a mixed number
- Add two mixed numbers
- Subtract fractions
- Subtract from a mixed number
- Subtract from a mixed number – breaking the whole
- Subtract two mixed numbers

Fractions B

- Multiply a unit fraction by an integer
- Multiply a non-unit fraction by an integer
- Multiply a mixed number by an integer
- Calculate a fraction of a quantity
- Fraction of an amount
- Find the whole
- Use fractions as operators

Decimals and Percentages

- Decimals up to 2 decimal places
- Equivalent fractions and decimals (tenths)
- Equivalent fractions and decimals (hundredths) Equivalent fractions and decimals
- Thousandths as fractions
- Thousandths as decimals
- Thousandths on a place value chart
- Order and compare decimals (same number of decimal places)
- Order and compare any decimals with up to 3 decimal places
- Round to the nearest whole number
- Round to 1 decimal place
- Understand percentages
- Percentages as fractions
- Percentages as decimals
- Equivalent fractions, decimals and percentages



ART & DESIGN

Mixed Media Land and City Scapes

We will learn:

- That artists use a variety of media often combining it in inventive ways, to capture the energy and spirit of land or city scapes.
- That artists often work outside (plein air) so that all their senses can be used to inform work.
- That as artists we are able to experiment with materials, combining them to see what happens. We can feel free and safe to take creative risks, without fear of getting things 'wrong'.
- We can share our artistic discoveries with, and be inspired by each other.
- We can use sketchbooks to focus this exploration and we do not always need to create the 'end result' – sometimes the exploratory journey is enough.

COMPUTING

Selection in physical computing and Flat-file databases

We will learn 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 sequence, selection, and repetition in programs; work with variables and various forms of input and output.
- Use logical reasoning to explain how some simple algorithms work and to detect and correct errors in algorithms and programs.
- Use search technologies effectively, understand how results are selected and ranked, and be discerning in evaluating digital content.
- Select, use and combine a variety of software (including internet services) on a range of digital devices and create a range of programs, systems, and content that accomplish given goals, including collecting, analysing, evaluating, and presenting data and information.

DESIGN & TECHNOLOGY

Super Seasonal Cooking

We will learn:

- About the importance of buying seasonal food and where, when and how a variety of ingredients are grown, reared, caught and processed.
- To sample some spring seasonal food before designing our own balanced seasonal meal.
- How to cook following our own recipes, using a range of preparation and cooking techniques.
- Hygiene rules for handling meat and fish, and safe preparation skills.
- To appreciate and evaluate our final product against our design criteria.

GEOGRAPHY

Marvellous Maps

We will learn to:

- Use an index to find a place name and find the correct page in an atlas by using the index.
- Explain why maps have symbols on them.
- Use a key to identify symbol meanings.
- Recognise some map symbols on an Ordnance Survey map.
- Give co-ordinates by going along the x axis and then up the y axis.
- Find a location from four-figure co-ordinates.
- Give four-figure co-ordinates for a location.
- Find similarities and differences between photographs of the same location.
- Find similarities and differences between maps of the same location.
- Identify physical features on a map.

HISTORY

Victorian Wellington

Key Questions:

What changed in Britain during the Victorian period?
What evidence of the Victorian era remains in Wellington?

We will learn about:

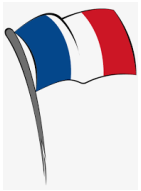
- How Britain changed during the Victorian period at the growth of the British empire.
- How Wellington has developed overtime dating back to Victorian Wellington (a local study).
- Census records and historic maps and understand the importance of industry and trade.
- The Fox Brothers and the mill in Tonedale, Wellington.

LANGUAGES: FRENCH

That's Tasty & Family and Friends

We will learn:

- Key vocabulary related to food and drink.
- Specific and personal phrases linked to likes and dislikes of food and drink.
- Vocabulary linked to animals.
- Names and pronunciation for family members.
- About the family home and name everyday items.
- Develop their understanding of French grammar.



MUSIC

We will learn to:

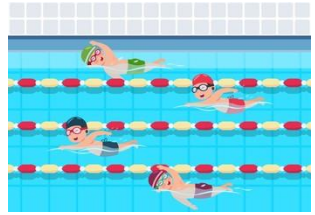
- Sing a song in two parts with expression and an understanding of its origins.
- Listen and copy back simple rhythmic and melodic patterns.
- Work creatively in movement in small groups, learning to share and develop ideas.
- Develop listening skills and an understanding of how different instrumental parts interact (texture) by responding to each part through movement.
- Demonstrate an understanding of the history of Argentine Tango.
- Sing a chorus in three parts following the score.
- Develop a knowledge and understanding of the origins, history, and social context of Reggae music.

P.E.

Swimming

We will learn to:

- Swim competently, confidently and proficiently over a distance of at least 25 metres.
- Use a range of strokes effectively [for example, front crawl, backstroke and breaststroke]
- Perform safe self-rescue in different water-based situations.



P.S.H.E.

We will learn:

- About what it means to have a healthy lifestyle, including physical and mental wellbeing.
- We will also look at contrasting influences of a healthy lifestyle including: smoking and tobacco use, substance abuse including drugs and alcohol.
- Online relationships (links with Safer Internet Day)
- Confidentiality (including listening and responding)

R.E.

What do Jewish people believe about God and the Covenant and Torah?

We will learn:

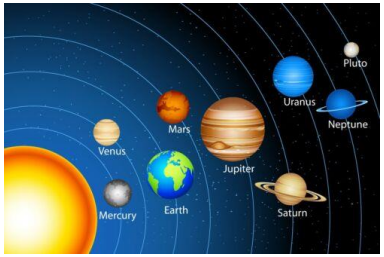
- The importance of Abraham as the Father of the Jewish people.
- To understand that Jews see Abraham as a person of great faith.
- To understand how Jews celebrate the Shabbat and why it is considered the most important festival, including the timing of Shabbat and essential rituals.
- About the Jewish food laws (including Kosher), relating them to obedience to God's Laws – Torah.
- About the festival of Rosh Hashannah, the beginning of the Jewish New year.
- About the festival of Yom Kippur, including what happens and why. We will reflect on this, shows about Jewish beliefs about forgiveness.

SCIENCE

Earth and Space

We will learn:

- About the movement of the Earth, and other planets, relative to the Sun in the Solar System.
- About the movement of the Moon relative to Earth.
- That the Sun, Earth and Moon are spherical bodies.
- About the Earth's rotation to explain day and night and the apparent movement of the sun across the sky.



AWARENESS AND ENRICHMENT OPPORTUNITIES

Chinese New Year
National Story-telling Week
Safer Internet Day
Children's Mental Health Week
Shrove Tuesday
Ash Wednesday
Easter