

Year 5 Knowledge Organiser - Spring Term

Maths -

Multiplication and Division B

Practicing both mental and written methods of multiplying and dividing multi-digit numbers and doing so in word problems also.

Fractions B

Multiplying fractions and finding fractions of an amount.

Perimeter and Area

Finding the perimeter of rectangles, polygons and rectilinear shapes.

Finding the area of rectangles and compound shapes.

Decimals and Percentages

Place value within decimal places, equivalent fractions, decimals and percentages, ordering and comparing decimals, rounding decimals.

Statistics

Draw, read and interpret line graphs; read and interpret tables; read and interpret time tables.

Additional Maths in Y5... Fluent in 5 will take place each morning, which provides a daily set of arithmetic practice, designed to help children develop and maintain fluency in both written and mental maths calculations.

Geography- South America

- To know the names of, and locate, a number of South American countries, including major cities
- To know that different parts of the world have different climates, and to be able to name and locate some of the different climates in South America
- To have an awareness of the environmental regions of South America
- To compare and contrast the differences and similarities of key physical and human characteristics between South America and the UK
- Recognise that people have differing qualities of life living in different locations and environments in South America and the UK
- To discover more about the country of Brazil

English

At the start of this term we will be exploring the story 'Alma'. We will be using the story to create our own invented story. After this, we will be creating a newspaper report based on the events in our stories.

In Spring 2, we will be linking our learning in Reading and English to create instructions and an explanation text based on The Lion, The Witch and The Wardrobe. We will be working on Year 5/6 statutory spellings words and rules, as well as strategies for effective spelling in both English and spelling lessons.

We encourage you to read with your child as much as possible, talk to them about what they have read and sign their records.

Spanish

School

Recall 10 school subjects

Give my opinion

Extract information from a spoken passage

Write and present written work

Weather

Name the seasons of the year

Name the 4 points on a compass

Name 8 Spanish towns and cities

Write sentences to describe the weather

Plan, create and perform a weather forecast

Art- Gaudi

- Use a range of pencils to begin to develop a personal style, drawing on work of other artists for inspiration.
- In sculpture, create textures that combine both visual and tactile qualities.
- Know how to create an accurate print design following given criteria.

DT- WW2 Sewing

Plan, design and make an item of clothing inspired from WW2.

Music- Classroom Jazz & Fresh Prince of Bel Air

We will be using and following the Music Scheme - Charanga.



Science- Properties and Changes of Materials

- Compare and group together everyday materials on the basis of their properties
- Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution
- Use knowledge of solids, liquids and gases to decide how mixtures might be separated
- Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials
- Demonstrate that dissolving, mixing and changes of state are reversible changes
- Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible

History- World War 2

- Describe a timeline of WW2
- Know how D-Day from the past has shaped our life today
- Know the impact of Hitler and Winston Churchill during WW2
- Know how the lives of wealthy people were different from the lives of poorer people during WW2

We will also be having a WW2 day on **Thursday 26th February** to enhance the children's learning.

PE- Swimming/Gymnastics

Swimming

- Pupils should be taught to swim competently, confidently and proficiently over a distance of at least 25 m
- To use a range of strokes effectively (EG: front crawl, backstroke and breaststroke)
- Perform safe self-rescue in different water-based situations

Gymnastics

- Follow a set of 'rules' to produce a sequence, possibly made by peers
- Create/mirror/matching/cannon (pair) sequence varying dynamics/levels/direction etc
- Beginning to compose extended and more complex sequences
- Apply combined skills appropriately, showing precision, control and fluency
- Beginning to perform to small audiences
- Combine own work with that of others, identifying strengths & weaknesses
- Include change of speed, direction and shape in movements

RE- Green Religion? & Understanding Christianity (Creation)

- Make connections between beliefs about the earth and activist behaviour in different religions
- Understand the challenges facing the planet and responses from different religions
- Discuss and describe their own and others' ideas about the kinds of collaboration, activism and commitment needed to 'Save the Earth'

RHE- Health and Wellbeing & Relationships

- How to carry out basic first aid, including for burns, scalds, cuts, bleeds, choking, asthma attacks or allergic reactions
- To know that if someone has experienced a head injury, they should not be moved
- When it is appropriate to use first aid and the importance of seeking adult help

