

Year 4 Knowledge Organiser – Summer term

Maths

- Re-visit Place Value in relation to four-digit numbers
- Written strategies for all 4 operations + - x ÷
- Calculate the perimeter of a rectilinear figure/ calculate missing lengths
- Calculate the area of shapes including half squares
- Recognise and use factor pairs
- Solve problems involving converting from years to months; weeks to days
- Solve problems involving converting from hours to minutes; minutes to seconds

By the end of year 4 it is expected that children will know all multiplication facts by heart. Please encourage your child to access timetables rockstars/ or practise test site daily

Science (Changing States)

- Know the temperature at which materials change state
- Know about and explore how some materials can change state
- Know the part played by evaporation and condensation in the water cycle
- Group materials based on their state of matter (solid, liquid and gas)



Reading and Writing

- This half term we will be focusing on the narrative poem 'The Highwayman', by Alfred Noyes, written in 1906. From this, we will be creating character descriptions, our own performances using ICT and a written and oral debate about who was the blame for the events in the poem.
- To recognise different forms of poem
- To perform poetry for an audience, using appropriate intonation, tone, volume and action
- Infer characters' thoughts and motives, using evidence to justify
- Take turns in high-quality discussions about what they have heard/read

Our class novel, which is solely to read for pleasure, is JK Rowling's *Harry Potter and the Philosopher's Stone*.

Grammar

- Use apostrophe for plural possession
- Use adverbials of time, place and number
- To vary tenses
- Compose sentences using a wide range of vocabulary and sentence structure

Art and DT

- The children will design, create and evaluate a cross stitch image.
- We will be creating digital art (art using a form of technology) to celebrate the King's Coronation.

Music

- Sing songs from memory with accurate pitch
- Use notation to record compositions in a small group of individually
- Explain why silence is often needed in music and explain what effect it has
- Use notation to record and interpret sequences of pitches
- Identify and describe the different purposes of music
- Begin to identify the style of work of Beethoven, Mozart and Elgar

RHE – How our choices make a difference to others and the environment

- How to protect the world around us, including making informed choices when purchasing (e.g. single use plastics, Fairtrade)
- How to show care and concern for people and animals

Topic – Hills, Rivers and Mountains

- Use maps, atlases, globes and digital mapping to locate a range of countries and their mountain ranges.
- To use the above sources to identify rivers.
- To know the features of a river.
- To know the difference between a hill and a mountain.
- To know how and why a mountain or river may change over time.
- Be aware of the world's highest mountains and longest rivers.

Spanish

- To read, write and talk about what their hobbies, including likes and dislikes
- To extend their sentences using 'y' (and) and 'pero' (but).
- To know a range of Spanish verbs

Computing

- To use ICT to create different written texts and animations.
- To add backgrounds and sounds to animations.
- To begin to understand what a 'stop go' animation is.

PE – Running and Throwing

- To throw with increasing accuracy in a range of scenarios, and using different apparatus.
- To develop technique and stamina when running in games, races and when monitoring and improving their own performance.

RE- What does it mean to be a Hindu in Britain today?

- Describe some examples of what Hindus do to show their faith, and make connections with some Hindu beliefs and teachings about aims and duties in life
Describe some ways in which Hindus express their faith through puja, aarti and bhajans
- Suggest reasons why being a Hindu is a good thing in Britain today, and two reasons why it might be hard sometimes
- Discuss links between the actions of Hindus in helping others and ways in which people of other faiths and beliefs, including pupils themselves, help others

