

Year 4 Knowledge Organiser – Spring 2 term

Maths –

- Addition and Subtraction in relation to money
- Write amounts of money using decimal notation
- 2D shape and sorting
- Finding the area of shapes
- Identifying types of angles such as right angle, obtuse and acute
- Position and Direction- describe position on a 2D grid
- Statistics- looking and comparing data and answering questions

By the end of year 4 it is expected that children will know all multiplication facts by heart. Please encourage your child to use times tables rockstars as often as possible

Writing

We will be creating Explanation posters, linked to our Science Topic 'The Digestive System' inspired by Adam Kay's book 'Kay's Anatomy.' Our reading for enjoyment book is going to be the graphic novel version of 'Oliver Twist', linked to our history topic 'The Industrial Revolution.'

Reading

- Retrieve and record information from non-fiction
- Ask questions to improve understanding of a text
- Make predictions of what might happen, using details stated and implied in a text
- Discuss words and phrases that capture a readers interest



Science (The Digestive System)

- Identify and name the parts of the human digestive system
- Know the functions of the organs in the human digestive system
- Identify and know the different types of human teeth
- Know the functions of different human teeth
- Use and construct food chains to identify producers, predators and prey

Grammar

To use fronted adverbials, with a comma to punctuate
Compose sentences using a wide range of vocabulary and sentence structure
Punctuate direct speech with inverted commas
To know the difference between standard and non standard English

Design and Technology

- Produce a plan and explain it
- Persevere and adapt work when original ideas do not work
- Evaluate and suggest improvements for designs
- Evaluate products for both their purpose and appearance
- Explain how the original design has been improved

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

Spanish

- To read, write and talk about what the weather is like
- To name the days of the week and months of the year
- To use a bilingual dictionary

Computing

- To use spreadsheets for budgeting, to format cells and to create graphs

RHE – Growing and Changing

- How bodies change during puberty
- How puberty can affect feelings and emotions
- How personal hygiene routines might change as we get older

PE – Dance (Musical Theatre)

- Develop flexibility, strength, technique, control and balance



Topic – The Industrial Revolution

- Study how the Industrial Revolution affected Manchester and Salford, and the impact this had on the world
- Understand the importance of the Bridgewater Canal during the Industrial Revolution
- Use evidence from the Victorian era to build a picture of life in the past
- Use the novel *Oliver Twist* (graphic novel) to help us understand the differences between rich and poor lives during this time

RE

Why is Jesus inspiring to some people?

- Make connections between some of Jesus' teachings and the way Christians live today
- Describe how Christians celebrate Holy Week and Easter Sunday
- Identify the most important parts of Easter for Christians and say why they are important
- Give simple definitions of some key Christian terms (e.g. gospel, incarnation, salvation) and illustrate them with events from Holy Week and Easter

