Class 2 Rivers Spring 1 2023 – Essential Knowledge

Geography – Rivers: By the end of this unit what should children know?
Understand the geographical location of major rivers in the UK.
Pupils should know that the features of a river and the surrounding landscape change from source to mouth.
Understand the process of flooding, and why and how rivers burst their banks.
Vocabulary – Bank, Basin, Bed, Current, Confluence, Delta, Erosion, Estuary, Floodplain, Meander, Mouth, Silt, Source, Tributary

Science – States of Matter: By the end of this unit what should children know?
How to compare and group materials together, according to whether they are solids, liquids or gases.
That some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in °C.
The part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.
Vocabulary – Condensation, Cycle, Evaporation, Gas, Irreversible, Liquid, Particles, Precipitation, Reversible, Solid, Solidify, State, Vapour

Year 4 Maths - By the end of this unit what should children know?
Multiplication and Division – Their multiplication and division facts for all times tables up to 12 x 12.
Multiplication and Division – How to multiply and divide by 10 and 100. How to multiply and divide a 2 and 3-digit number by a 1-digit number.
Length and Perimeter – How to measure in m and km. How to measure and calculate the perimeter of polygons and rectilinear shapes.
Vocabulary – Compare, Efficient, Equivalent, Factor, Formal, Informal, Method, Order, Perimeter, Polygon, Rectilinear

Year 3 Maths - By the end of this unit what should children know?
Multiplication and Division – Know and use multiplication and division facts for the 3-, 4- and 8-times tables. How to multiply and divide a 2-digit number by a 1-digit number.
Length and Perimeter – Measure in mm, cm and m and understand the relationships between these. Understand what perimeter is and how to calculate it.
Vocabulary – Accurate, Array, Compare, Equivalent, Length, Measure, Method, Multiple, Perimeter

Music - By the end of this unit what should children know?
Become familiar with reggae music by appraising reggae songs and learning how to sing them.
Play instrumental parts using notation and the notes C, D and E on a glockenspiel.
Improvise and compose their own melody on a glockenspiel using notes C, D and E.
Vocabulary – Beat, Compose, Improvise, Notation, Pulse, Rastafari, Reggae, Roots reggae, Rhythm, Vocal,

English – By the end of this unit what should children know?
How to identify poetry structure and devices. Use similes and metaphors effectively.
How to write and punctuate direct speech.
How to use a range of fronted adverbials with the correct punctuation.
Vocabulary – Conjunction, Direct speech, Fronted adverbial, Image, Inverted commas, Kenning, Metaphor, Simile, Structure, Verb,

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Latin – Meet the Family - By the end of this unit what should children know?
Understand key nouns – mother, father, son, daughter, servant, cat, mouse.
Understand key adjectives – tired, beautiful, messy, dirty.

RE – Why do some people think that life is a journey and what significant experiences mark this? By the end of this unit what should children know?
Suggest why some people see life as a journey and identify some of the key milestones on this journey.
Describe what happens in Christian, Jewish, and Hindu ceremonies of commitment and say what these rituals mean.
Suggest reasons why marking the milestones of life are important to Christians, Hindus and Jewish people.
Vocabulary – Baptism, Belonging, Confirmation, Declaration, Dharma, Faith, Guru, Journey, Milestone, Promise, Rabbi, Symbolism. Torah

PHSE – Dreams and Goals: By the end of this unit what should children know?
A dream/ambition that is important to them and know how they might achieve them.
That steps may be needed to overcome obstacles but motivation and enthusiasm is important.
Vocabulary – Achieve, Ambition, Aspiration, Challenge, Cooperation, Dream, Enterprise, Enthusiastic, Future, Goal, Obstacle, Perseverance, Responsible, Review

Morley Away Curriculum - By the end of this unit what should children know?
Understand our influence on the water cycle and have a go at cleaning up 'reservoir soup'.
How to understand the natural world in terms of scale and perspective to gain a better understanding of what maps show us.
Vocabulary – Grid reference, Influence, Navigate, Negative, Positive, Reservoir, Scale, Water Cycle

Leaders of the Future - By the end of this unit what should children know?
That our actions can have an impact on our immediate and wider area. How to encourage others to think about their wider impact on our world.
That all leaders face difficult challenges on the road to success.
That Sir Richard Arkwright was an English inventor and leading entrepreneur during the early Industrial Revolution.
Vocabulary – Challenge, Entrepreneur, Impact, Industry, Journey, Revolution, Success,

Art – By the end of this unit what should children know?
How to create a colour wheel, to include all three colour collections, primary colours, secondary colours and tertiary colours.
That tertiary colours are created by mixing certain amounts of both a primary and secondary colour.
To know which colours from the colour wheel are mixed to create tertiary colours.
Explain what complementary colours are and where they sit on the colour wheel.
To recognise and discuss warm and cool colours.
Vocabulary Colour wheel, tertiary colours, complementary colours, hue, mix

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Computing – By the end of this unit what should children know?
To be familiar with the scratch interface.
To understand what 'code' is and what different blocks can create code.
To understand why loops are useful in algorithms.
To know when to use sequence, selection and repetition when coding.
To write and debug simple programs to accomplish specific goals.
Vocabulary - algorithm, block, code, condition, decomposition, debugging, loop, sprite, variable