Class 2 Autumn 2 2022 – Essential Knowledge

Geography – Compare human and physical features of Derby around the world: By the end of this unit what should children know?
Understand geographical similarities and differences through the study of human and physical geography of a region of the United Kingdom and a region within North America.
Locate the world's countries, using maps to focus on Europe and North America.
That maps have different purposes e.g., topographic, weather and different scales.
Vocabulary – City, Climate, Continent, County, Country, Human, Physical, Population, Scale

Science – Animals, including Humans: By the end of this unit what should children know?
Identify those animals, including humans, need the right type and amount of nutrition.
Specific ways to improve their own diet so that it is more nutritionally balanced.
Identify that humans and some other animals have skeletons and muscles for support, protection and movement.
Vocabulary – Balanced, Carbohydrate, Dairy, Diet, Endoskeleton, Exoskeleton, Fibre, Hydrostatic skeleton, Invertebrate, Nutrition, Protein, Vertebrate

Year 4 Maths - By the end of this unit what should children know?
Addition and Subtraction – How to use formal methods to add and subtract 4-digit numbers
Multiplication and Division – How to use efficient methods to add and subtract. How to estimate the answer to an addition or subtraction.
Multiplication and Division – Multiplication and division facts for the 6, 7-, 9-, 11- and 12-times tables. How to multiply by 0 and 1.
Vocabulary – Array, Difference, Efficient, Estimate, Exchange, Formal, Informal, Inverse, Method, Multiple, Pattern

Year 3 Maths - By the end of this unit what should children know?
Addition and Subtraction – How to use formal methods to add and subtract 3-digit numbers.
Multiplication and Division – Understand multiplication as equal groups and division as sharing and grouping.
Multiplication and Division – Know and use multiplication and division facts for the 3- times tables.
Vocabulary – Array, Difference, Equal, Exchange, Formal, Grouping, Informal, Inverse, Method, Multiple, Pattern, Repeated addition, Sharing

Music - By the end of this unit what should children know?
Know how to blow a sound on a flute and play the notes B and A.
How to compose a line in a song.
How to take part in a round in a large group.
Vocabulary – Beat, Call and response, Melody, Percussion, Pitch, Rhythm, Round, Tempo, Tuned

English – By the end of this unit what should children know?
How to use expanded noun phrases effectively to describe. Use synonyms to add interest and detail to their writing to interest the reader.
How to recognise a poem and write their own with a similar structure.
How to infer about a character's thoughts and actions using clues from a text.
Vocabulary – Adjective, Adverb, Conjunction, Expanded noun phrase, Infer, Narrative poem, Preposition, Repetitive, Synonym, Verb, Verse, Word class,

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French – On the Move - By the end of this unit what should children know?
How to name different types of transport in French.
How to respond to simple instructions for direction and movement.
How to follow simple directions to find a place on a map.
Vocabulary – Allez, Droite, Gauche, Je, Tournez, Tu, Une velo, Une voiture

RE – What do different people believe about God? By the end of this unit what should children know?
Describe some of the ways in which Christians, Hindus and Muslims describe God.
Idenitfy how and say why it makes a difference in people's lives to believe in God.
How to ask questions and suggest some of their own responses to ideas about God.
Vocabulary – Allah, Artefact, Bible, Humanist, Qur'an, Metaphor, Muslim, Prayer, Symbolism, Trinity

PHSE – Celebrating Difference: By the end of this unit what should children know?
That everybody's family is different and important to them.
That a witness (to bullying) can make a situation better or worse depending on what they do.
Vocabulary – Bystander, Compliment, Conflict, Connected, Consequences, Difference, Resolve, Solution, Unique, Witness

Morley Away Curriculum - By the end of this unit what should children know?
How the diet of different animals varies according to their needs and habitat.
How to identify vertebrates and invertebrates.
Vocabulary – Carnivore, Diet, Herbivore, Invertebrate, Omnivore, Vertebrate,

Leaders of the Future - By the end of this unit what should children know?
How to choose food that is nutritionally balanced and sustainable for our planet.
Ways that Derby has impacted on places across the world.
Vocabulary – Air miles, Balanced, Sustainable,

Design and Technology – Food around the world: By the end of this unit what should children know?
How to create recipes and complete a list of ingredients. Follow their own recipe whilst baking, using correct measuring and preparation methods.
How to research and understand seasonality and know when and how a variety of ingredients are grown and where they come from.
How to evaluate finished products with their family.
Vocabulary – Coring, Crimping, Dough, Harvest, Healthy, Herbs, Hygiene, Kneading, Puree, Seasonality