



Year 5 Autumn Term New Curriculum



Term	Autumn 1	Autumn 2
Main subject and theme	<p style="text-align: center;">Importance of raw materials (water) Fieldwork (Elan Valley) Geography</p>	
Suggested questions	<p style="text-align: center;"><i>Will you ever see the water you drink again? I'm a Year 5 pupil, can you get me out of here? (8 points of compass)</i></p>	
Objectives covered	<ul style="list-style-type: none"> - Use maps, atlases, globes and digital/computer mapping to locate countries and describe features studied. - Use the eight points of a compass, four and six figure grid references, symbols and key (including the use of Ordnance Survey maps) to build their knowledge of the UK. - Use fieldwork to observe, measure, record and present the human and physical features in the local area using a range of methods including; sketch maps, plans, graphs and digital technologies - (Elan Valley digital learning walk – take photos, link to OS maps; short descriptive writing; contours; compass work; comparing old and new Elan Valley maps – deforestation; sketches) - Describe and understand the water cycle - Describe and understand the distribution of natural resources including water 	
SCIENCE	<p><u>Properties and Changes of Materials</u></p> <ul style="list-style-type: none"> - Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets - 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, including through filtering, sieving and evaporating - Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic - 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, including changes associated with burning and the action of acid on bicarbonate of soda. 	
Links to English:	<p><u>Working Scientifically</u> Pupils should read, spell and pronounce scientific vocabulary correctly. Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations.</p>	
Links to Maths:	<p><u>Working Scientifically</u> Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate. Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</p>	
ART & DESIGN	<p><u>Topic- Water Claude Manet</u></p> <p>Development of materials and techniques: -Pencil</p>	<p><u>Optional Topic- Water Katushi Hokusai Textile designer and artist</u></p> <p>Could recreate work and create own prints based on rivers visited and studied.</p>

	<ul style="list-style-type: none"> - coloured pencils - water colour pencils - water colours - chalk pastels <p>Observations and ideas: Observe and recreate artwork of focus artist. Practise using mediums Design and create own work.</p> <p>Improving Mastery of mediums: Focus- Drawing Range of materials- water colours Chalk pastels</p>	
D&T		
PE (incl Expressive Arts)		
MUSIC	<p>Activ music scheme 'rhythm and pulse' unit. Activ music scheme 'singing'.</p> <p>play and perform in solo and ensemble contexts, using their voices and playing musical instruments with increasing accuracy, fluency, control and expression</p> <ul style="list-style-type: none"> - improvise and compose music for a range of purposes using the inter-related dimensions of music - listen with attention to detail and recall sounds with increasing aural memory - use and understand staff and other musical notations - appreciate and understand a wide range of high-quality live and recorded music drawn from different traditions and from great composers and musicians - develop an understanding of the history of music. 	
COMPUTING	<p>E-Safety- *use technology safely, respectfully and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact</p> <p>Cyber Café lessons – planning on common staff and access to Cyber Café online (thinkuknow) Discuss social media, school website</p>	
Links to English books	<p>Kensuke's Kingdom – Michael Morpurgo When you reach me – Rebecca Stead The journey from the river to the sea – Eve Ibbotson The lemonade crime by Jacqueline Davies Crime in the Queen's Court by Nancy Drew</p>	