

## YEAR 3 INNOVATORS STEAM CURRICULUM PLANNING

CYCLE A		Virtue Focus:	Cooperation	<b>The Big Question: Water, water everywhere but none of it to drink!</b> <b>Where does rain come from?</b> <b>What did the Romans do for us?</b>	
Autumn 1 <sup>st</sup> Half		Enquiry Focus:	Explore and Ask		
Science	All Children will compare and group materials together according to whether they are solid, liquids or gases; they will learn and observe that some materials change state when they are heated or cooled and measure or research the temperature at which this happens; Children will learn about evaporation and condensation in the water cycle.			<b>Purpose &amp; Outcome:</b> <ul style="list-style-type: none"> <li>Children will develop knowledge about the water around us and key parts of the water cycle. Children will learn the importance of safe and clean water.</li> <li>Children will learn about the history of Remembrance day and why it is important.</li> <li>Children will learn about British history including the impact the Romans have had, including the building of the roads.</li> </ul> <b>SCARF whole school focus (including Equality Objective where relevant):</b> <b>Y3</b> - Rules, friendships and problem-solving.	
Technology	Children will learn how to set up, use and record videos using a Green Screen to bring their Roman diary entries to life.			<b>Key Topic Texts:</b> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;">           Tuesday (David Wiesner),            Katie and the Water Lilies            The Drop in Your Drink            Escape from Pompeii         </div>	<b>Hook / Trip/ Visits &amp; Visitors:</b> <ul style="list-style-type: none"> <li>Creating a mini-terrarium biome.</li> <li>Remembrance event</li> <li>Exploring around the SANG</li> </ul>
Engineering	Children will design a filtration system to get drinking water from salt water. They will generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design.			<b>Outdoor Learning Experiences:</b> Exploring our wonderful world in Morality and Ethics. Outdoor Maths Learning Trip to the SANG	<b>Links to Local Industry / Real Life:</b> <ul style="list-style-type: none"> <li>Visit from a local Water Chemist</li> </ul>
Arts	Portrait Art & Art History: Monet's Waterlilies and Poppy Field. The founder of the impressionist movement – drawing & painting unit.  In history, children will learn about the impact the Romans had, including the roads that Romans made. <b>This will lead into our following STEAM topic, relating to communities, after half-term.</b>			<b>English Curriculum:</b> Children will write their own narrative after exploring a large variety of narrative books. They will continue recalling key punctuation and grammar skills from previous year groups. Throughout this writing children will be taught how to edit to improve and correct their own writing. They will also explore the purpose of a range of punctuation, giving them opportunity to include this in their own writing. Their focus text is a wonderful picture book called Tuesday by David Wiesner.	



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Mathematics	<p>Children in Year 3 will work with 3-digit numbers. They will spend time exploring the value of each digit. They will use their knowledge of 3-digit numbers when using a range of methods to add and subtract. Children in Year 3 will begin to learn about multiplication and division towards the end of the Autumn term.</p>	<p>Through the topic, children will write their own diary entries from the perspective of a Roman Child. Escape from Pompeii is the high-quality text that will be used to launch this topic. They will then use their diaries to create a drama piece.</p> <p><b>Guided Reading:</b> Children will continue to develop their VIPERS skills throughout a variety of high-quality texts.</p>
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