



St Benedict's C of E VA Junior School
Whole School Design and Technology
Long Term Planning Units and National Curriculum Objectives

Year Group	Autumn	Spring	Summer
Year 3	<p style="text-align: center;"><u>Healthy Sandwiches</u></p> <p>Starting a new school takes a lot of energy and this project helps the pupils design their own healthy sandwiches in preparation for their learning on Healthy Bodies in the spring term. Children begin to learn about the different food groups and how to create their own balanced and healthy sandwich. The children choose and make a sandwich filling according to specific design criteria.</p> <p style="text-align: center;">Cross Curricular Links: Science – Healthy Bodies PSHE – Health and Wellbeing</p>	<p style="text-align: center;"><u>Stitch and Sew Pencil Cases</u></p> <p>In preparation for the new school year, the children will design and make their own pencil cases fit for all their school supplies. The children will learn a range of stitches on binka and basic applique before designing and sewing their own pencil case out of felt.</p>	<p style="text-align: center;"><u>Early Ancient Engineering</u></p> <p>Inspired by the Ancient Egyptians, the pupils will design and make their own Shaduf. The pupils will be given design criteria to lift water from one area to another. They experiment with junk modelling to explore how the system works before designing their own.</p> <p style="text-align: center;">Cross Curricular Links: History - Ancient Egyptians Geography- Rivers</p>
Year 4	<p style="text-align: center;"><u>Roman Briefcase</u></p> <p>As part of the pupil's study on the Romans, the children will learn about the development of the modern briefcase from the Roman leather bags used in Roman times. The children will design and sew their own simple bags.</p> <p style="text-align: center;">Cross Curricular Links: History - Romans</p>	<p style="text-align: center;"><u>The Great British Bread Off</u></p> <p>As part of their Anglo Saxon's unit, pupils learn about bread and how it was a staple in the Anglo Saxon. Pupil's will design their own bread by adding different ingredients.</p> <p style="text-align: center;">Cross Curricular Links: History - Anglo Saxons</p>	<p style="text-align: center;"><u>Lighthouses</u></p> <p>In Science, pupils will learn about circuits and they will apply this knowledge to design their own lighthouses.</p> <p style="text-align: center;">Cross Curricular Links: Science - Circuits</p>
Year 5	<p style="text-align: center;"><u>Carnival Carts</u></p> <p>This project teaches the pupils about pneumatic systems and how they are used in industry today. The children will gain experience and experiment with pneumatic systems before designing, making and evaluating a pneumatic carnival cart fit for any Somerset circuit.</p> <p style="text-align: center;">Cross Curricular links: Geography – Brazil</p>	<p style="text-align: center;"><u>Sew the Solar System</u></p> <p>Whilst learning about the planets in our solar system, in groups pupils will design and make their own solar system themed mobiles.</p> <p style="text-align: center;">Cross Curricular links: Science- Space</p>	<p style="text-align: center;"><u>Seasonal Foods</u></p> <p>The pupils will learn about the meaning and benefits of seasonal eating, including food preparation and cooking techniques. The pupils will design their own seasonal friendly savoury meal.</p> <p style="text-align: center;">Cross Curricular links: PSHE- Health and Wellbeing Science- Healthy Living</p>
Year 6	<p style="text-align: center;"><u>Our Great Imagineers</u></p> <p>This project teaches the pupils about remarkable engineers and significant bridges in the UK, learning to identify features, such as beams, arches and trusses. As part of the project, the children will experience a bridge-building engineering challenge to create a bridge prototype.</p> <p style="text-align: center;">Cross curricular links: History - The Victorians Art - William Morris Printing</p>	<p style="text-align: center;"><u>The Big SATS Breakfast</u></p> <p>As we all know, SATS is an important time for our Year 6s so ensuring a perfect breakfast to start the day is essential to a happy and healthy mind. The pupils will design and make their own balanced healthy breakfasts to give them the best boost during SATS week.</p> <p style="text-align: center;">Cross Curricular links: PSHE: Healthy Living</p>	<p style="text-align: center;"><u>Waste Not, Want Not</u></p> <p>This project teaches the pupils a range of simple stitches inspired by Mrs Sew and Sew – the fictional character invented by the British Board of Trade to promote practices of mending and making do. Pupils will also learn ways of repurposing old clothes and materials.</p> <p style="text-align: center;">Cross Curricular Links: History WW2</p>



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<p>**KEY SUBJECT SKILLS TO BE DELIVERED THROUGHOUT THE YEAR BY ALL KS2 YEAR GROUPS:</p>	<pre>graph TD; Research --> Design; Design --> Make; Make --> Evaluate; Evaluate --> Research;</pre>
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