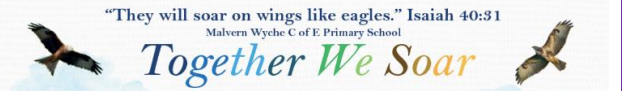


At Malvern Wyche C of E Primary School our curriculum planning consists of termly “Journeys”: cross-curricular projects that teach subjects separately, yet find thematic links between them that are meaningful and memorable, cumulating in an event where we “publish, present or perform”, for a purpose and an audience. Journeys allow Early Years Foundation Stage Early Learning Goals and National Curriculum Programmes of study to be planned in a cohesive, themed cross-curricular way, whilst still ensuring that these individual subjects are planned and taught with depth, breadth and progression. Subject content is taught on a three-year cycle, (Year A, Year B and Year C) with sufficient repetition and revisiting for children to acquire, remember and deepen knowledge and skills. Whatever year group your child is in, the Early Learning Goals or National Curriculum outcomes will be tailored to their age and stage and appropriately challenging.




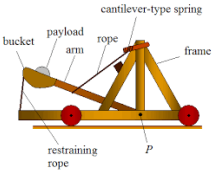





## Malvern Wyche C of E Primary School *Design & Technology Curriculum*



### Reception, Year 1 & Year 2

	Autumn Term	Spring Term	Summer Term
Year A (2024-2025)	 <p><u>Full of Beans</u>                      [Cooking: nutrition and recipe design]                      Children will explore and consider raw and processed beans in many forms, learning that there are many other ingredients in processed beans and understanding the nutritional value of this foodstuff. They will taste and then design, prepare and evaluate their own simple bean-based recipes.</p>	 <p><u>African Bags</u>                      [Textiles]                      Children will explore and engage with bag manufacture, in the context of traditional craft and design in Tanzania. They will explore the different patterns, fabrics and fastenings that are most commonly used and then design, safely manufacture and evaluate their own textile bag with a fastening mechanism and developing skills in cutting and manipulating textiles.</p>	 <p><u>Drawbridges</u>                      [Mechanisms: Pulleys]                      Pupils will explore castles and their mechanisms then design, safely construct and evaluate a drawbridge mechanism for their own castle, using a winch and pulley. They will relate this to the designs of doors today and understand the change in door construction and design. They will develop skills in threading, tying and cutting string and cutting and manipulating stiff card and thick paper.</p>
Year B (2025-2026)	 <p><u>Moving Pictures</u>                      [Mechanisms: sliders, levers and pivots]                      Pupils will explore moving pictures and design ways in which their artwork can have motion built in, whether using split pins, card rods or levers. They will then design, safely manufacture and evaluate their own moving pictures of nocturnal scenes, expressing their learning about night animals and nocturnes in art.</p>	 <p><u>T-shirt design</u>                      [Textiles]                      Children will explore and engage with fashion design and then design, safely decorate and evaluate their own T-shirt, expressing their learning about 20<sup>th</sup> Century pop culture. They will develop skills to cut and colour fabric and evaluate the difference between paper, card and textiles.</p>	 <p><u>Mr Fox's Veggie Biscuits</u>                      [Cooking: sweet, baking]                      Pupils will explore the ingredients and processes involved in biscuit manufacture and learn about the nutritional value of biscuits. They will help Mr Fox make biscuits for the vegetarian inhabitants of the story as they research, design, safely prepare and bake, then evaluate their own tasty treats.</p>
Year C (2023-2024)	 <p><u>Puppets</u>                      [Textiles]                      Pupils will explore a range of puppets and their materials and then design, safely manufacture and evaluate their own glove puppet. They will engage with feedback from peers and evaluate their experience of working with textiles.</p>	 <p><u>The Great Fire of London!</u>                      [Structures]                      Pupils will explore building materials and historical buildings and then design, safely construct and evaluate a model building for strength and stiffness. They will consider the properties of the materials safely, including flammability and learn vital safety lessons about constructing with paper and wood, theorising about modern building materials.</p>	 <p><u>Tropical Fruit Salad</u>                      [Cooking: sweet, uncooked]                      Pupils will explore native and tropical fruit and then design, safely prepare and evaluate a fruit salad using edged utensils to cut, peel and scoop. They will consider the origin of the ingredients, the “food miles” associated with their dish and the nutritional value of their ingredients.</p>

## Year 3, Year 4 & Year 5

	Autumn	Spring	Summer
Year A (24-25)	 <p><u>Savory Hummus &amp; Crudités</u>                      [Cooking raw and savoury]                      Pupils will research, design, safely manufacture and evaluate their own savoury hummus, choosing and preparing crudités using a mix of seasonal and non-seasonal, locally sourced ingredients. They will learn health and nutrition value of this dish. They will inspire with innovative and delicious combinations and engage with feedback from their peers and staff.</p>	 <p><u>Model Anglo Saxon Village</u>                      [Structures/Mechanical Systems: electrical]                      Pupils will research, design, safely construct and evaluate a model village to demonstrate their learning in history as museum exhibit for interested visitors. They will construct circuits and place them securely to add atmosphere to their dioramas through the use of light and sound.</p>	 <p><u>Design and Build a Seaworthy Longship</u>                      [Structures]                      Pupils will research, design, safely construct and evaluate a Viking longboat which both floats and bears weight. They will learn empathy and respect for the early Viking designers, boatbuilders and explorers and discuss the significance and value of the Norse people's innovations in boat design.</p>
Year B (25-26)	 <p><u>Design and manufacture a working Roman Catapult.</u>                      [Mechanical systems: levers]                      Pupils will research, design, safely manufacture and evaluate a ballistic device which must fire a projectile with force and accuracy. They will learn empathy and respect for the Roman manufacturers of these products but consider the remember the context that these are machines of war and destruction in the light of our Safety, Respect and Value Christian values.</p>	 <p><u>Design and manufacture a Buzz Wire Game</u>                      [Mechanical systems: buzzers]                      Pupils will research, design and safely manufacture their own working buzzer puzzles, ensuring they are attractive and fun, challenging but manageable and electrically safe and effective. They will learn a safe respect for electricity in the process.</p>	 <p><u>Design and Cook a Pizza</u>                      [Cooking: savoury and nutritious]                      Pupils will research, design, safely cook and evaluate their own savoury pizzas using healthy, ingredients and learning about the nutritious potential of this meal within a balanced diet and its origins in Italy and America.</p>
Year C (23-24)	 <p><u>Mechanical Rainforest Exhibits</u>                      [Working with wood]                      Pupils will make a moving exhibit to show elements of their learning about rainforests, using wood and understanding cam mechanisms.</p>	 <p><u>Make a soft toy (link to WW2 evacuees)</u>                      [Working with textiles]                      Children will research, design, safely manufacture and evaluate a soft toy in order to develop knowledge and understanding of fabric and textile processes and develop respect and empathy for the experiences of evacuated wartime children.</p>	 <p><u>Savoury Herb Scones with local ingredients</u>                      [Baking]                      Pupils will research, design, safely bake and evaluate their own savoury herb scones using healthy, seasonal and locally sourced ingredients, and learning about the nutritious potential of this meal within a balanced diet.</p>

## Year 6

	Autumn	Spring	Summer
Year A, B & C	 <p><u>Outdoor Shelters</u>                      [Structures: large scale]                      Pupils will research, design, safely construct and evaluate outdoor shelters, to help them understand the needs of human beings, and construct large-scale sophisticated structures.</p>	 <p><u>Nutritious Winter Soup</u> [Cooking: hot, savoury, seasonal and ambitious]                      As part of their deep dive into Survival and the h8man spirit, pupils will research, design, safely cook and evaluate a soup that is seasonal, nutritious and involves a range of processes. They will focus on the potential of healthy and carefully prepared soups to provide essential vegetables, protein and fibre in their diet and those they cook for in the future.</p>	 <p><u>Enterprise initiative</u>                      [D&amp;T in authentic practice]                      Pupils will research, pitch, bid for funding, manage a budget and manufacture products based on market research, using design and technology in the real world and keeping some profit whilst donating a portion to charity to engage with courageous advocacy and learn the value and potential of making money.</p>