

Little Bollington C of E Primary School



**Design Technology
Curriculum Journey
EYFS-Year 6**

Our Children

The children at Little Bollington are creative and very resourceful. They are keen to problem solve when working digitally and this helps them build their resilience in other areas of the curriculum.

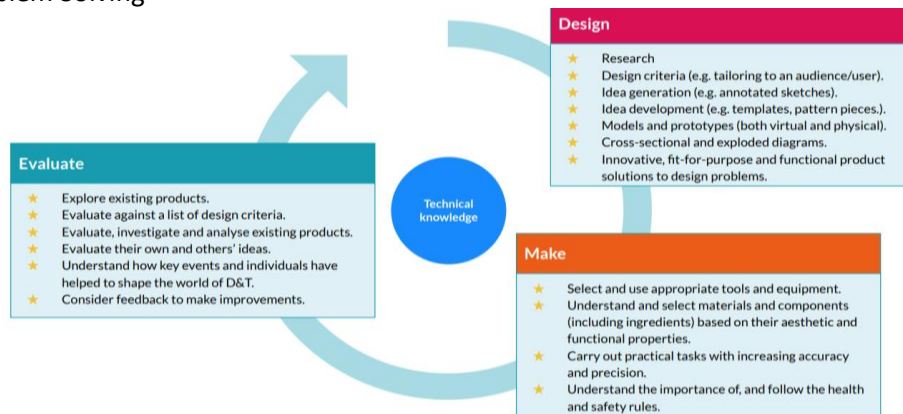
We aim to foster the children's curiosity and desire to understand how things work through a clearly designed curriculum that includes exploring mechanisms, electronics and structures.

There is a clear focus on the cooking and nutrition as a life skill which our children will need developing as there can be limited exposure to this at home. We also need to prepare our children for the digital world of the future- where problem solving will be key.

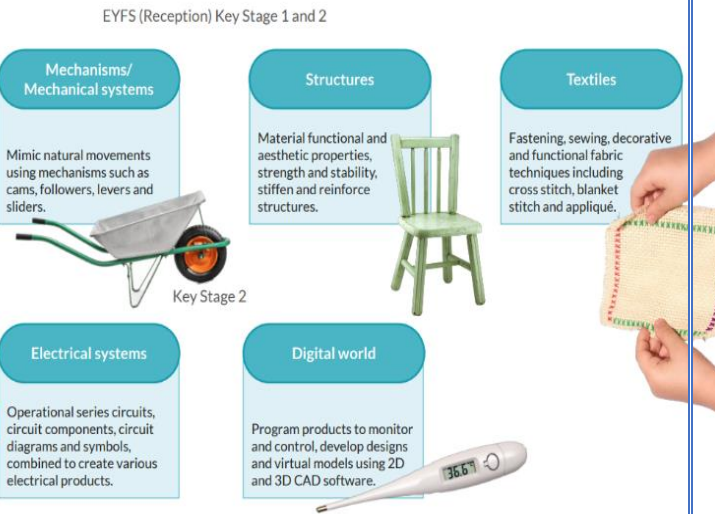
Our Learning Threads

The key concepts we aim to develop through the curriculum are:

- Design
- Make
- Evaluate
- Technical Knowledge
- Problem Solving



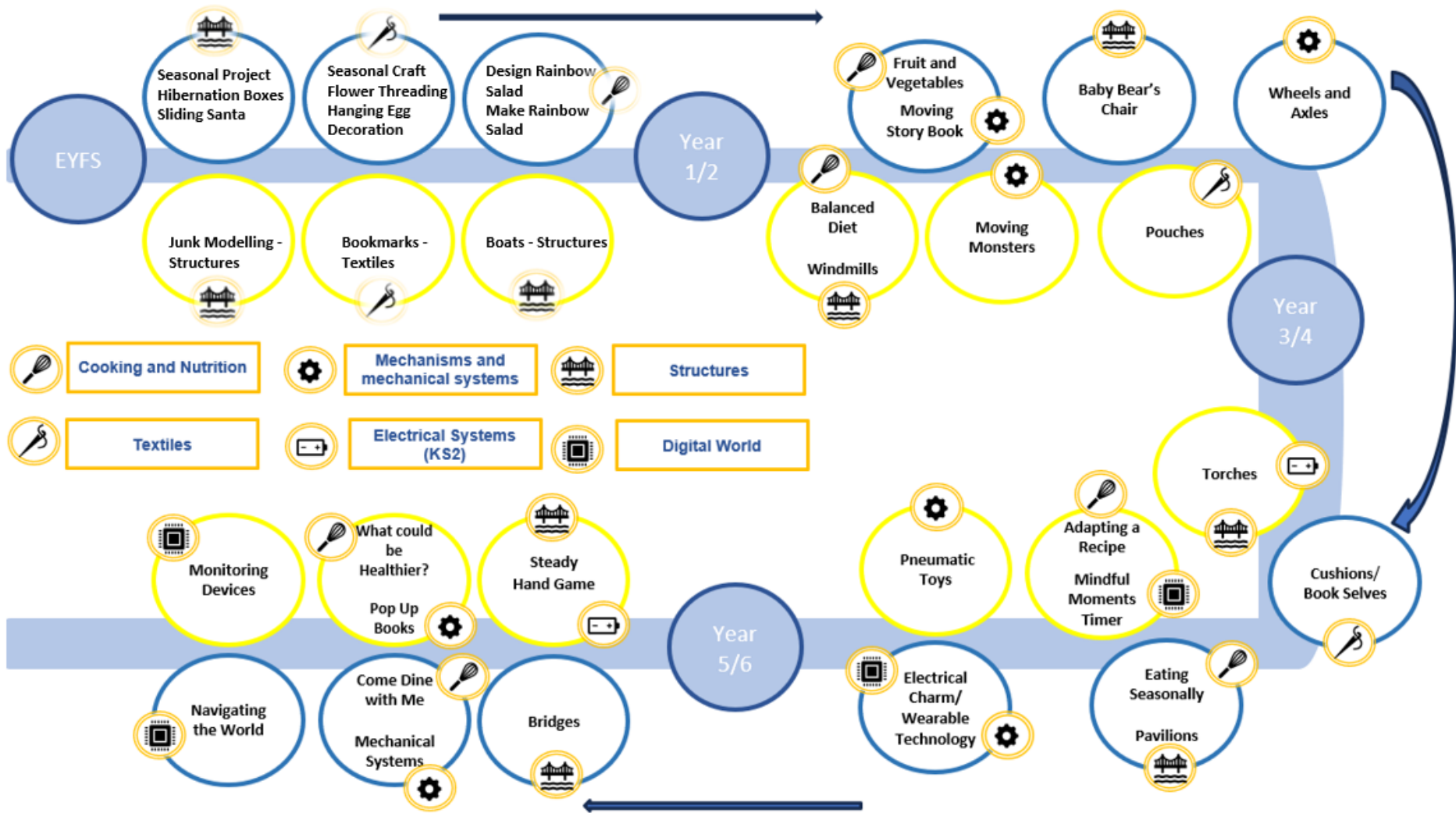
Cooking and nutrition* has a separate section in the D&T National Curriculum, with additional focus on specific principles, skills and techniques in food, including where food comes from, diet and seasonality. Cooking and nutrition units still follow the design process summarised above, for example by tasking the pupils to develop recipes for a specific set of requirements (design criteria) and to suggest methods of packaging the food product including the nutritional information.



Our Intent

The Design and technology scheme of work aims to inspire pupils to be innovative and creative thinkers who have an appreciation for the product design cycle through ideation, creation, and evaluation. We want pupils to develop the confidence to take risks, through drafting design concepts, modelling, and testing and to be reflective learners who evaluate their work and the work of others. Through our scheme of work, we aim to build an awareness of the impact of design and technology on our lives and encourage pupils to become resourceful, enterprising citizens who will have the skills to contribute to future design advancements.

Our Design and technology scheme of work enables pupils to meet the end of key stage attainment targets in the National curriculum and the aims also align with those in the National curriculum. EYFS (Reception) units provide opportunities for pupils' to work towards the Development matters statements and the Early Learning Goals.



Design Technology Overview

Year A (23-24, 25-26)

	<i>Autumn</i>		<i>Spring</i>		<i>Summer</i>
EYFS	Structures junk modelling – To use a combination of materials and joining techniques in the junk modelling area.		Textiles bookmark- threading and weaving techniques using various materials and objects.		Structures: Boats – exploring waterproof, floating and sinking. Experimenting and making predictions with various materials and carrying out tests.
	To Design and make a Hibernation Box Create a picture with a simple sliding mechanism		To design and create a hanging Easter Egg decoration To use a range of tools and techniques to create a threaded spring flower		To design a Rainbow Salad recipe To create a Rainbow Salad and talk about the importance of healthy eating
Year 1/2	Cooking and Nutrition: Fruit and Vegetables	Mechanisms: Moving Story Book	Structures: Baby Bear’s Chair		Mechanisms: Wheels and Axles
Year 3/4	Textiles: Cushions (or Book Selves)		Cooking and Nutrition: Eating Seasonally	Structures: Pavilions	Digital World: Electrical Charm (or Wearable Technology)
Year 5/6	Structures: Bridges		Cooking and Nutrition: Come Dine with Me	Year 5: Mechanical Systems	Digital World: Navigating the World

Year B (24-25, 26-27)

	Autumn		Spring		Summer
EYFS					
Year 1/2	Cooking and Nutrition: Balanced Diet	Structures: Windmills	Mechanisms: Moving Monsters		Textiles: Pouches
Year 3/4	Electrical Systems: Torches		Cooking and Nutrition: Adapting a Recipe	Digital World: Mindful Moments Timer	Mechanical Systems: Pneumatic Toys

Year 5/6	Structures and Electrical Systems: Steady Hand Game	Cooking and Nutrition: What could be Healthier?	Year 5: Mechanical Systems: Pop Up Books	Digital World: Monitoring Devices
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