

Curriculum Plan

Design and Technology

'Spirituality is the bitter-sweet yearning for beauty, truth, love and wonder beyond ourselves. It is a longing we pursue together and a treasure we glimpse in ourselves and one another and seek beyond us into eternity. It is life in all its fullness.'

Nebula Spirituality Statement



EYFS Statutory Framework	Statutory National Curriculum	
EYFS	Key Stage One	Key Stage Two
Expressive Arts and Design The development of children’s artistic and cultural awareness supports their imagination and creativity. It is important that children have regular opportunities to engage with the arts, enabling them to explore and play with a wide range of media and materials. The quality and variety of what children see, hear and participate in is crucial for developing their understanding, self-expression, vocabulary and ability to communicate through the arts. The frequency, repetition and depth of their experiences are fundamental to their progress in interpreting and appreciating what they hear, respond to and observe. ELG: Creating with Materials • Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function • Share their creations, explaining the process they have used • Make use of props and materials when role playing characters in narratives and stories	Design • Design purposeful, functional, appealing products based on design criteria • Generate, develop, model and communicate their ideas through talking drawing, templates, mock-ups and ICT Make • Select from and use a range of tools and equipment to perform practical tasks • Select from and use a wide range of materials and components, including construction materials, textiles, ingredients Evaluate • Explore and evaluate a range of existing products • Evaluate ideas / products against design criteria Technical knowledge • Build structures, exploring how they can be made stronger, stiffer and more stable • Explore and use mechanisms in their products. • Use the basic principles of a healthy and varied diet to prepare dishes • Understand where food comes from	Design • Use research and develop criteria to inform the design of innovative, functional, appealing products that are fit for purpose • Generate, develop, model and communicate ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design Make • Select from and use a wider range of tools and equipment to perform practical tasks accurately • Select from and use a wider range of materials and components Evaluate • Investigate and analyse a range of existing products • Evaluate ideas and products against own design criteria and consider the views of others • Understand how key events and individuals have helped shape the world Technical knowledge • Apply their understanding of how to strengthen, stiffen and reinforce more complex structures • Understand and use mechanical systems in their products • Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] • Apply understanding of computing to program, monitor and control products. • Understand and apply the principles of a healthy and varied diet • Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques • Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed.

	Class 1 (Reception and Year 1)		
	TEXTILES	CONSTRUCTION	FOOD AND NUTRITION
Year A 2025-6	Holiday bag	Space helmets	Healthy salad
Year B 2026-7	Sock puppet	Egg Box Dragon	Healthy eating: Summer smoothie
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	Class 2 (Year 2, Year 3 and Year 4)		
	TEXTILES	CONSTRUCTION	FOOD AND NUTRITION
Year A 2025-6	Christmas Decoration	Light-Up City Scenes	Pizza
Year B 2026 – 2027	A New School Pencil Case	Sliders and levers	Nachos and salsa
Year C 2027-8	Stone age shoes	Bridges (STEM)	Jamaican Patties
	- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures - Understand and use mechanical systems in their products Evaluate - Understand how key events and individuals have helped shape the world	- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures - Understand and use mechanical systems in their products - Understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors] - Apply understanding of computing to program, monitor and control products.	- Understand and apply the principles of a healthy and varied diet - Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques - Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed. Evaluate - Understand how key events and individuals have helped shape the world

	Class 3 (Year 5 and 6)		
	TEXTILES	CONSTRUCTION	FOOD AND NUTRITION
Year A 2025 – 2026	Make Do and Mend	Viking Longboat Automata Toys (including CAD)	Greek flatbread
Year B 2026-7	Medieval coin purse	Micro: bit board game	Spring rolls
	- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures Evaluate - Understand how key events and individuals have helped shape the world	- Apply their understanding of how to strengthen, stiffen and reinforce more complex structures - Understand and use mechanical systems in their products - Apply understanding of computing to program, monitor and control products.	- Understand and apply the principles of a healthy and varied diet - Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques - Understand seasonality and know where and how a variety of ingredients are grown, reared, caught and processed. Evaluate - Understand how key events and individuals have helped shape the world