

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



**ST FAITHS'
PRIMARY SCHOOL**



EYFS Statutory Framework	Statutory National Curriculum	
EYFS	Key Stage One	Key Stage Two
<p>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.</p> <p>ELG: Creating with Materials</p> <ul style="list-style-type: none"> • 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 	<p>Design</p> <ul style="list-style-type: none"> • Design purposeful, functional, appealing products based on design criteria • Generate, develop, model and communicate their ideas through talking drawing, templates, mock-ups and ICT <p>Make</p> <ul style="list-style-type: none"> • 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 <p>Evaluate</p> <ul style="list-style-type: none"> • Explore and evaluate a range of existing products • Evaluate ideas / products against design criteria <p>Technical knowledge</p> <ul style="list-style-type: none"> • 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 	<p>Design</p> <ul style="list-style-type: none"> • 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 <p>Make</p> <ul style="list-style-type: none"> • 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 <p>Evaluate</p> <ul style="list-style-type: none"> • 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 <p>Technical knowledge</p> <ul style="list-style-type: none"> • 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.

Elm Class (Reception and Year 1)			
	TEXTILES	CONSTRUCTION	FOOD AND NUTRITION
Year A 2022 – 2023	<u>Hand Puppets</u>	<u>Egg Box Dragon</u>	<u>Fruit Salad</u>
Year B 2023 – 2024	<u>Printed Blanket (Combined with Art)</u>	<u>Space Helmets</u>	<u>Teddybear's Picnic</u>
	<p>ELG: Creating with Materials</p> <ul style="list-style-type: none"> 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 <p>Technical knowledge</p> <ul style="list-style-type: none"> Build structures, exploring how they can be made stronger, stiffer and more stable 	<p>ELG: Creating with Materials</p> <ul style="list-style-type: none"> 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 <p>Technical knowledge</p> <ul style="list-style-type: none"> Build structures, exploring how they can be made stronger, stiffer and more stable Explore and use mechanisms in their products 	<p>ELG: Creating with Materials</p> <ul style="list-style-type: none"> 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 <p>Technical knowledge</p> <ul style="list-style-type: none"> Use the basic principles of a healthy and varied diet to prepare dishes Understand where food comes from

Chestnut Class (Year 2 and Year 3)			
	TEXTILES	CONSTRUCTION	FOOD AND NUTRITION
Year A 2022 – 2023	<p>Bunting <i>Create a class bunting with a set theme. This could link to Geography and History.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Build structures, exploring how they can be made stronger, stiffer and more stable <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures 	<p>Hobby Horses <i>Linked to our history topic, create a simple hobby horse using wheels on a fixed axle.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Build structures, exploring how they can be made stronger, stiffer and more stable Explore and use mechanisms in their products <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures Understand and use mechanical systems in their products 	<p>Seasonal Food/Anglo-Saxon menus <i>Recognise local seasonal foods before creating an Anglo-Saxon themed menu.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Use the basic principles of a healthy and varied diet to prepare dishes Understand where food comes from <p>Technical knowledge</p> <ul style="list-style-type: none"> 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
Year B 2023 – 2024	<p>Viking Purses <i>In-keeping with the History theme, make a money pouch for a viking to safely store his gold coins.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Build structures, exploring how they can be made stronger, stiffer and more stable <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures 	<p>Lighthouses <i>Create a simple lighthouse model, complete with working light and switch.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Build structures, exploring how they can be made stronger, stiffer and more stable <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures 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. 	<p>Pizza <i>Linked to the Romans topic, design and make healthy pizzas. (Possible Trip – Pizza Express)</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Use the basic principles of a healthy and varied diet to prepare dishes Understand where food comes from <p>Technical knowledge</p> <ul style="list-style-type: none"> 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

Oak Class (Year 4 and Year 5)			
	TEXTILES	CONSTRUCTION	FOOD AND NUTRITION
Year A 2022 – 2023	<p><u>Make Do and Mend</u> <i>Upcycle materials and clothing for new purposes. This could be a new item of clothing or something like a small teddy.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures 	<p><u>Mechanical Posters</u> <i>Using a range of materials, build and test different bridge styles for strength and purpose.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures Understand and use mechanical systems in their products 	<p><u>Egyptian Food</u> <i>Try different foods that are native to Egypt before following recipes to create an Egyptian-inspired bread.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> 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
Year B 2023 – 2024	<p><u>Wall-hanging Tapestry</u> <i>Create a Tudor wall hanging, inspired by the work of Mary, Queen of Scots. (Possible trip – Oxburgh Hall)</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures 	<p><u>Labyrinth Games with Micro:Bit Dice</u> <i>Based on the story of Theseus and the Minotaur, create a wooden labyrinth for a marble to pass through.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures 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. 	<p><u>Fairtrade Banana Split</u> <i>Using knowledge of foods from around the world, create a Fairtrade Banana Split.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> 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.

Willow Class (Year 6)			
	TEXTILES	CONSTRUCTION	FOOD AND NUTRITION
Year A and B	<p>School Flag with new Logo <i>Design a flag for Shackleton’s ship, complete with a warning light for when they are stuck in the ice.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures 	<p>Antarctic Animal Automata <i>Design and make an automaton, creating movement with different shaped cams.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> Apply their understanding of how to strengthen, stiffen and reinforce more complex structures Understand and use mechanical systems in their products 	<p>Mexican Food <i>Try different foods that are native to Mexico before following recipes to create a Mexican-inspired menu.</i></p> <p>Technical knowledge</p> <ul style="list-style-type: none"> 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.