



St Mary's Catholic Primary School
Educate, Protect, Love, Serve
#making a difference together



Our Vision Statement

With the love of Jesus and the inspiration of Mary at our heart, we will be the best we can be.
At St. Mary's we provide every member of our school family with the opportunity to achieve academically and thrive spiritually and socially.

Design and technology

Curriculum Overview

'be an engineer and a technologist'

Intent

Our children will leave St Mary's Catholic Primary School having had a wide variety of experiences within Design and Technology. Our Design and Technology curriculum allows the children to revisit and build on technical skills to a mastery level of understanding.

Our primary Design and Technology curriculum enables pupils will learn a wide range of skills, developing understanding and showing clear progression. But crucially, the knowledge and understanding pupils will build will go far beyond the technical, factual knowledge many current curriculums focus upon. Learning is built through a weaving and layering and revisiting of experiences. Through our curriculum, children will be inspired by the work of engineers, designers, chefs and architects as they explore and evaluate a range of existing products.

Implementation

Our art curriculum is delivered through three main components a year. The components are revisited year on year providing lots of time to balance repeated practice with new experiences. Pupils design and make a range of structures, mechanisms, textiles, electrical systems and food products.

They learn to draw on, and apply the knowledge and skills learned in other subjects, particularly Mathematics, Science, Computing and Art. Opportunities to test, reflect on, and evaluate the products they design are embedded in each unit of learning.

Our children have the opportunity to develop and apply a repertoire of knowledge, understanding and skills to.

Impact

Children leave our school with an increased understanding of DT and the skills to create functional, high-quality prototypes and products for a wide range of users. The design process is rooted in real life, relevant contexts to make them meaningful to the children

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer2
Reception F2	Drawing and sketching – <i>exploring mark making</i> Fixing	Print, collage and colour textiles	Working in 3 Dimensions Fixings and structures	Paint, texture, colour Structures- buildings	Working in 3 Dimensions/ colour and pattern Fixing materials	Collaboration and celebration Food technology
Year 1			DT: Food technology- <i>what are super foods- foods for nutrient</i>	Inspired by Flora & Fauna -Explore how artists make art inspired by flora and fauna. Make collages of MiniBeasts and display as a shared artwork. Eric Carle, Joseph Redoute, Jan Van Kessel Art and Textiles DT link Year 1 POS\AccessArt-MTP-Year-1-Flora-Fauna.docx		DT; Structures <i>Look at buildings around Bodmin area Build structures, exploring how they can be made stronger, stiffer and more stable.</i>
Year 2			DT Food technology <i>Fruit and savoury salads</i>		Stick Transformation Project-Art and DT textiles link ; Artists: Chris Kenny Year 2 POS\AccessArt-MTP-Year-2-Stick-Transformation.docx	DT: Mechanisms <i>Wheeled trolleys- use of axles and card</i>
Year 3			Cloth, Thread, Paint <i>In this pathway children are introduced to artists that combine paint and sewing, art and craft, to make work. Art and DT</i>	DT- Food technology- <i>foods from around the world- make a Greek dip</i>	DT; Structures- boxes <i>Create a shell box- to hold something special.</i>	

			<p>Textiles link. Artists: Alice Kettle, Hannah Rae</p> <p>Year 3 POS\AccessArt-MTP-Year-3-Paint-Cloth-Thread.docx</p>			
Year 4		<p>Exploring Pattern <i>Exploring how we can use colour, line and shape to create patterns, including repeating patterns. DT</i> Textiles link; Rachel Parker, Shaheen Ahmed, Andy Gilmore, Louise Despont</p> <p>Year 4 POS\AccessArt-MTP-Year-4-Exploring-Pattern.docx</p>	<p>DT; Electrical systems Simple circuits & switches</p>			<p>DT; Mechanical Systems</p> <p><i>Pneumatics - exploring how things can move using pneumatics- make a moving picture with pneumatics.</i></p>
Year 5		<p>DT Food technology- food on the move – <i>how we need to have water and food to stay alive- explore superfoods for survival</i></p>		<p>DT; Pulleys <i>Exploring a variety of ways to help move something from one place to another</i></p>	<p>Fashion Design; explore fashion from around the world Art and DT Textiles link Alice Fox, Rahul Mishra, Pyer Moss, Tatyana Antoun, Hormazd Narielwalla</p> <p>Year 5 POS\AccessArt-MTP-Year-5-Fashion-Design.docx</p>	
Year 6		<p>DT building homes- <i>using structures to make homes for people to live in (homelessness link)</i></p>	<p>DT Food technology- <i>foods from around the world that keep us well, explore Mediterranean foods</i></p> <p>Pizza – Jamie Oliver</p>		<p>Brave Colour <i>Exploring the work of installation artists who use light, form and colour to create immersive environments. Creating 2 d or 3d models to share our vision of</i></p>	<p>DT Electronics- <i>making a hand steady tester game to test your nerve- are you able to be a soldier in the second world war?</i></p>

					<p><i>imagined installations with others.</i> Olafur Eliasson, Yinka Ilori, Morag Myerscough, Liz West Art and DT <i>Textiles link</i></p> <p>Year 6 POS\AccessArt-MTP-Year-6-Brave-Colour.docx</p>	
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