



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 & Technology Curriculum Overview 2022-23**

In line with the National Curriculum aims for design and technology. St Mary's aims to ensure that all pupils:

develop the creative, technical and practical expertise needed to perform everyday tasks confidently and to participate successfully in an increasingly technological world ♣ build and apply a repertoire of knowledge, understanding and skills in order to design and make high-quality prototypes and products for a wide range of users ♣ critique, evaluate and test their ideas and products and the work of others ♣ understand and apply the principles of nutrition and learn how to cook

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer2
Nursery F1	Portraits using a variety of textures	Exploring materials freely to develop ideas on how to use them and what to make. Autumn Creations	Join different materials and explore different textures. Children to represent life cycles.	Different building blocks such as wood / plastic / small bricks to create structures such as castles from Traditional tales	Using a variety of different construction materials to make different vehicles	Develop own ideas and then decide which materials to use to express them. Children to make their own underwater sea creatures.
Reception F2	Children to use different media to join pieces to make a skeleton	Explore textiles to create Autumn themed projects - Leaf Man / Seasonal Trees	Make hanging models of the life cycle of a frog/butterfly	Creating different structures from a variety of building materials to represent the buildings in the Traditional Tale stories	'Junk Modelling' vehicles with parents in to help - Children to join pieces together using a variety of joining techniques	Make driftwood boats using wooden tools and using tools such as hammer and nails to join the pieces together.
Year 1	Building structures	Using tools	Food technology	Textiles	Plan and design	Plan and design
Year 2	Building structures	Using tools	Food technology	Textiles	Plan and design	Mechanisms

Year 3	Plan, design and evaluate	Using tools	Textiles and structures	Food technology	Mechanisms	Mechanisms
Year 4	Plan, design and evaluate	Using tools	Textiles and structures	Food technology	Mechanisms	Electronics
Year 5	Plan, design and evaluate	Using tools	Textiles and structures	Food technology	Mechanisms	Electronics
Year 6	Plan, design and evaluate	Using tools	Textiles and structures	Food technology	Mechanisms	Electronics