St Cuthbert's Catholic Primary School
Design Technology Curriculum Overview 2023-2024 *(Exploring & Developing Ideas and Evaluating is covered in every topic)*

	Aut 1	Autumn 2	Sp 1	Spring 2	Sum 1	Summer 2
EYFS	Structures (See separate	Textiles planning)	Structures	Mechanisms	Cooking & Nutrition	Craft Activities
Year 1		**Cooking & Nutrition** Fruit &Veg Smoothie Healthy & Varied Diet and where some food comes from		**Mechanisms** Moving Pictures Levers, sliders, wheels		**Structures (Junk)** A Lunchbox for a Pirate. Stronger, stiffer, more stable
Year 2		**Mechanisms** Making a Fire Engine Axels and Wheels		**Textile -** Beautiful Bunting. Cutting, shaping, joining with running stitches and finishing using cotton fabric and templates		**Cooking & Nutrition** Perfect Pizza - Vegan or Veg. Healthy & Varied Diet, food groups, the eat well plate, food origins
Year 3		**Structures (Straws/Card)** Making bridges Strengthen, stiffen and reinforce more complex structures		**Mechanisms** Pop-Up Card Levers and linkages		**Computer Aided Design (CAD)** Using software to Design & Make an Avatar
Year 4		**Textiles -** Juggling Balls Cutting, shaping, joining with simple back stitches and finishing, templates and tie-dye tech.		**Structures (Dowels)** Let's Go Fly a Kite Strengthen, stiffen & reinforce more complex structures and the history of aviation		**Cooking & Nutrition** Seasonal Salad Seasonality, where and how food is grown, caught, reared and processed and digestion
Year 5		**Cooking & Nutrition** Great British Bread Off Seasonality, Warburtons history and how their production of bread shaped the way bread is made and sold today		**Mechanisms** Wooden Automated Animals CAMs		**Electrical Systems and Programming** Program, monitor and control a Moving Buggy
Year 6		**Structures & CAD net F1 car** Cutting, shaping, joining and finishing more complex structures incorporating computer program designs. Aerodynamics.		**Textile** Felt Phone cases. Cutting, shaping, joining, finishing. Running stitch, backstitch, whipstitch and blanket stitch. Simple templates.		**Electrical Systems Motorised Merry-Go Round** Electronical systems with Complex Circuit, switches, pullies and motors. Forces -air resistance and friction