



Holy Cross Catholic Primary School

Design & Technology Curriculum Map: 2022– 2023

	Autumn	Spring	Summer
Year 1	Mechanisms Sliders and levers Design/make their own moving picture Can you make your picture tell a story?	Preparing fruit and vegetables Examine a range of fruit and vegetables Design and make a salad and dressing Can you make a rainbow salad?	Structures Explore different materials and their properties Can you make a chair for your story character to sit on?
Year 2	Preparing fruit and vegetables Examine a range of fruit and vegetables Design and make a fruit kebab and dip How do I make a healthy snack?	Textiles Templates and joining techniques Design and make a fabric product. Can you make a kite that is waterproof?	Mechanisms Wheels and axles Design/make their own moving vehicle Help the farmer, design a truck to collect eggs.
Year 3	Textiles Templates and joining techniques Design/make their own fabric product of a 2D shape Make a pencil case- Stop losing your pencil!	Mechanical systems Moving Pictures Design an animated story book Can you make a story come alive?	Food and Nutrition Design and make a healthy Pizza? Can you make a pizza that is tasty and healthy?

Year 4	Mechanical systems Levers and linkages Design and make a product using levers and linkages Make a mechanical display to help teach a topic	Structures Shell structures Design/make packaging for a specific product Design a box to keep an Easter egg safe.	Electrical systems Focus on more complex switches and circuits Design/make a make a Buzz game for the school fair. Make a buzz game that the children want to play.
Year 5	Mechanical systems cams Focus on rotary, oscillating and reciprocating movements Design and make a simple model of different cams after looking at toys which use a cam mechanism Make a mechanical toy for a child	Textiles Templates and joining techniques Design/make their own fabric product of a 2D shape Design a protective case for your kindle.	Structures Focus on frame structures Make a plant frame for sweet peas Mine is taller , stronger, better !
Year 6	Mechanical Systems Build on all prior mechanical and electrical learning Design/make a fairground ride. Can you make a fairground ride that will inspire younger children?	Electrical systems Build on all prior electrical systems learning using computer control software and writing/modifying programmes Design and make a programme to control lights Using MICROBITS make a pedometer Are you walking enough?	Food and Nutrition Design and make a healthy sweet and savoury snack? Which snack will be the best seller at the school fair?

