

Design Technology Curriculum 2024 - 2025

Year Group	Term 2	Term 4	Term 6
Year 1	Cooking	Mechanisms – Wheels and axles	Mechanisms – Levers
	- Know the appropriate vocabulary from the knowledge organiser - To safely use appropriate utensils to e.g. peel, cut, slice, grate squeeze, spread - Evaluate the effectiveness of the product	- Know the appropriate vocabulary from the knowledge organiser - Use an axle to make something roll - Evaluate the functionality/effectiveness of the product	- Know the appropriate vocabulary from the knowledge organiser - Create a product with a sliding part moving up and down or left and right - Evaluate the functionality/effectiveness of the product
Year 2	Mechanisms - Pneumatics	Textiles	Structures - hinge
	- Know the appropriate vocabulary from the knowledge organiser - Understand that air can be used to make movement - Evaluate the functionality/effectiveness of the product	- Know the appropriate vocabulary from the knowledge organiser - To use a simple running stitch to create a product e.g. Book mark, puppet - Evaluate the effectiveness of the product	- Know the appropriate vocabulary from the knowledge organiser - Saw pieces of wood to equal lengths - Join using e.g. PVA - Evaluate the functionality/effectiveness of the product

Year 3	Textiles	Mechanisms - Levers and linkages	Cooking
	• Know the appropriate vocabulary from the knowledge organiser • Select a suitable stitch to meet the needs of the product • Evaluate the effectiveness of the product	• Know the appropriate vocabulary from the knowledge organiser • Create a structure with fixed and loose pivot to create a moving part • Evaluate the functionality/effectiveness of the product	• Know the appropriate vocabulary from the knowledge organiser • To safely use appropriate utensils to e.g. weigh, mix, measure, rub in/combine • Evaluate the effectiveness of the product
Year 4	Structures and Electrical systems	Mechanisms - Cams	Cooking
	• Know the appropriate vocabulary from the knowledge organiser • Saw pieces of wood at 45 degree angles • Join using glue gun • Understand how to strengthen their product • Evaluate the functionality/effectiveness of the product (EBI in wheels to revisit) • Know the appropriate vocabulary from the knowledge organiser • To apply knowledge of a circuit to a suitable product. • Evaluate the functionality/effectiveness of the product	• Know the appropriate vocabulary from the knowledge organiser • Understand that cams can be used to produce different output movements • Evaluate the functionality/effectiveness of the product	• Know the appropriate vocabulary from the knowledge organiser • To safely use appropriate utensils to e.g. weigh, mix, measure, rub in/combine • Evaluate the effectiveness of the product

Year 5	Textiles	Mechanisms - Pulleys and Gears	Cooking
	• Know the appropriate vocabulary from the knowledge organiser • Understand and use a seam allowance • Apply fastenings • Evaluate the effectiveness of the product	• Know the appropriate vocabulary from the knowledge organiser • Understand that a pulley reduces the amount of force necessary to lift an item. • Understand that gears speed up or slow down rotary movement • Evaluate the functionality/effectiveness of the product	• Know the appropriate vocabulary from the knowledge organiser • Independently follow a recipe and cook using ovens • Ensure that they can make flavour choices (either ingredients or seasoning) • Evaluate the effectiveness of the product
Year 6	Cooking	Structures	Structures and Mechanisms
	• Know the appropriate vocabulary from the knowledge organiser • Independently follow a recipe and cook using ovens • Ensure that they can make flavour choices (either ingredients or seasoning) • Evaluate the effectiveness of the product	• Know the appropriate vocabulary from the knowledge organiser • Produce a 3D structure using 45degree angles • Evaluate the functionality/effectiveness of the product	• Know the appropriate vocabulary from the knowledge organiser • Produce a 3D structure using 45degree angles • Evaluate the functionality/effectiveness of the product • Know the appropriate vocabulary from the knowledge organisers • To utilise at least 3 mechanisms within a structure of choice e.g. car structure with axles, and lights • Evaluate the effectiveness of the product