



Three Lane Ends Academy

DT Curriculum Mapping

Care – Aspire - Succeed



DT Long Term Planning			
	Autumn	Spring	Summer
Nursery	Focus: Exploration, play, early making skills Exploring materials — building with blocks, junk modelling Simple joining — tape, glue, split pins Food exploration — handling fruit/veg, talking about healthy choices Tool handling — scissors, child-safe utensils	Focus: Exploration, play, early making skills Exploring materials — building with blocks, junk modelling Simple joining — tape, glue, split pins Food exploration — handling fruit/veg, talking about healthy choices Tool handling — scissors, child-safe utensils	Focus: Exploration, play, early making skills Exploring materials — building with blocks, junk modelling Simple joining — tape, glue, split pins Food exploration — handling fruit/veg, talking about healthy choices Tool handling — scissors, child-safe utensils
Reception	Focus: Purposeful making, early design language Designing simple products — draw what they want to make Constructing models — boxes, tubes, simple structures Healthy eating — preparing fruit, assembling simple snacks Mechanisms introduction — wheels, sliders, hinges	Focus: Purposeful making, early design language Designing simple products — draw what they want to make Constructing models — boxes, tubes, simple structures Healthy eating — preparing fruit, assembling simple snacks Mechanisms introduction — wheels, sliders, hinges	Focus: Purposeful making, early design language Designing simple products — draw what they want to make Constructing models — boxes, tubes, simple structures Healthy eating — preparing fruit, assembling simple snacks Mechanisms introduction — wheels, sliders, hinges
Year 1	<u>Cooking and nutrition</u> Prepare a simple fruit kebab. Safe cutting, hygiene, naming fruits, evaluating taste/appearance.	<u>Mechanisms</u> Make a moving story scene. Levers & sliders through story-linked moving pictures.	<u>Structures/mechanisms</u> Design and make a windmill that spins. Stability, assembling components, testing movement.
Year 2	<u>Cooking and Nutrition</u> Make and evaluate bread. Mixing, kneading, evaluating texture/flavour.	<u>Structures/mechanisms</u> Design and test a moving vehicle Wheels/axles, chassis design, testing movement.	
Year 3	<u>Cooking and Nutrition</u> Prepare a historical Victorian soup. Seasonal veg, peeling/chopping, evaluating flavour.	<u>Textiles</u> Design and make a functional bag. Sewing, joining fabric, creating functional containers.	<u>Structures/mechanisms</u> Design and test a catapult. Tension, accuracy, testing power and distance.



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Year 4	<u>Structures</u> Build and test a strong bridge. Strength, load-bearing, experimenting with shapes.	<u>Structures</u> Build and test a strong bridge. Tall structures, stability, optional electrical circuit	<u>Cooking and Nutrition</u> Prepare a historical Viking stew. Root vegetables, simmering, evaluating flavour combinations
Year 5	<u>Textiles</u> Create a decorative textile product. More complex stitching, embellishment, pattern creation	<u>Cooking and Nutrition</u> Prepare breads from another culture. Cultural food study, dough shaping, seasoning	<u>Mechanisms</u> Build a working Victorian pulley system. Lifting mechanisms, experimenting with pulley systems
Year 6	<u>Cooking and nutrition</u> Prepare a wartime pie. Pastry, filling choices, historical context	<u>Electrical Systems</u> Design a simple light-up product. Circuits, switches, designing a simple light-up product	<u>Structures</u> Design and test a boat that floats and moves. Buoyancy, waterproofing, propulsion, testing in water