Alma Park Primary School – Long-Term Overview for Design Technology

Year Group	Autumn	Spring	Summer
Nursery	• Opportunity for activities to choose the right resources to carry out their own plan. • Use one-handed tools and equipment, for example, making snips in paper with scissors. • Use large-muscle movements to wave flags and streamers, paint and make marks. • Make imaginative and complex 'small worlds' with blocks and construction kits. • Explore different materials freely, in order to develop their ideas about how to use them and what to make. • Develop their own ideas.		
Reception	• Opportunity for activities to develop their small motor skills so that they can use a range of tools competently, safely and confidently. • Return to and build on their previous learning, refining ideas and developing their ability to represent them. • Use a range of small tools, including scissors. • Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function.		
Year 1	**Structures** Free standing	**Mechanisms** Levers and sliders	**Cooking and Nutrition** Preparing fruit and vegetables
Year 2	**Mechanisms** Wheels and axels	**Textiles** Templates and joining techniques	**Cooking and Nutrition** Preparing fruit and vegetables
Year 3	**Cooking and Nutrition** Healthy and varied diet	**Structures** (including computer-aided design)	**Textiles** 2D shape to 3D product
Year 4	**Cooking and Nutrition** Healthy and varied diet	**Electrical Systems** (CRUMBLE) Simple circuits and switches (including programming and control)	**Mechanical Systems** Levers and linkages
Year 5	**Cooking and Nutrition** Celebrating culture and seasonality	**Textiles** Combining different fabric shapes	**Mechanisms** Cams
Year 6	**Electrical Systems** (CRUMBLE) More complex switches and circuits (including programming, monitoring and control)	**Cooking and Nutrition** Celebrating culture and seasonality	**Structures** Frame structures