National Curriculum Coverage – KS2

Subject: Design and Technology

NC Content	Autumn 1				Autumn 2				Spring 1				Spring 2				Summer 1				Summer 2			
Work through your curriculum maps and record when each aspect has been covered.	Y3 Textiles: Cushions	Y4 Electrical systems: torches	Y5 Digital world: Monitoring	Y6 Electronics – steady hand	Y3 Electrical systems: Static electricity	Y4 Mechanical systems: Slingshot car	Y5Electronic greeting cards	Y6 Automata toys	Y3 Mechanical systems: Pneumatic toys	Y4 Digital world: Mindful moments timer	Y5: Textiles – stuffed toys	Y6 Waistcoats	Y3 Food: Eating seasonally	Y4 Food: Adapting a recipe	Y5 Mechanical systems: pop up	Y6 Come dine with me	Y3 Digital world: Electronic charm	Y4 Structures: Pavilions	Y5 Food	Y6 playgrounds	Y3 Structures: Constructing a castle	Y4 Textiles: Fastenings	Y5 Structures: Bridges	Y6 Navigating the world
Design Use research and develop design criteria to inform the design of innovative, functional, appealing products that are fit for purpose, aimed at particular individuals or groups																								
Generate, develop, model and communicate their ideas through																								

discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design																								
Make Select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately																								
Select from and use a wider range of materials and components, including construction materials, textiles and ingredients,																								

according to their functional properties and aesthetic qualities																								
Evaluate Investigate and analyse a range of existing products																								
Evaluate their ideas and products against their own design criteria and consider the views of others to improve their work																								
Understand how key events and individuals in design and																								

technology have helped shape the world																								
Technical knowledge Apply their understanding of how to strengthen, stiffen and reinforce more complex structures																								
Understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages] Understand and use electrical systems in their products [for example, series circuits incorporating switches,																								

bulbs, buzzers and motors]																							
Cooking and nutrition Understand and apply the principles of a healthy and varied diet																							
Prepare and cook a variety of predominantly savoury dishes using a range of cooking techniques																							
Understand seasonality, and know where and how a variety of ingredients are grown, reared, caught and processed.																							