	EYFS											
Expressive	Creating with materials											
Arts and	Safely use and explore a variety of materials, tools and techniques, experimenting with colour, design, texture, form and function T1,2,3,4,5,6											
Design	Share their creations, explaining the process they have used; T1,2,3,4,5,6 Make use of props and materials when role playing characters in narratives and stories T1,2,3,4,5,6											
	wake use of props and materials when role playing characters in harratives and stories 11,2,3,4,5,0											
	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6						
	1a) Use pictures and words to plan. 2a 6a 2b 4b 6b		3a) Investigate existing products, analyse how they are made. 4a 2b 5/6b		5a) Research to design product; surveys and interviews 2a, 4a, 5a 2b 6b 5b) Use prototypes, cross sectional diagrams, exploded diagrams and CAD to represent designs 2a, 4a, 5a 2b 6b 5c) Consider other's views when evaluating design. 1a, 2a, 4a, 2b 6b 5d) Justify decisions around materials and methods 1a, 2a, 2b 5b 6b 5e) Suggest how improvements can be made. 1a, 2a, 4a, 5a, 2b 6b							
Design, make, evaluate, improve	1b) Explain what they want to make and its purpose. 2a 6a 2b 3b 4b 6b 1c) Use tools to cut, shape, join and finish. 2a 3/4a 2b 4b 1d) Evaluate their product, giving explanations 2a 2b 4b 6b 1e) Begin to use software to represent 2D design. 2a 4b		3b) Plan a sequence of actions to make product.4a 2b 4b 5/6b 3c) Develop prototypes.4a 2b 5/6b 3d) Generate annotated plans and sketches4a 2b 4b 5/6b CAD where appropriate – PM to design a sandwich box?? 5b 3e) Evaluate and refine product.1/2a 4a 2b 4b 5/6b									
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							Cooking and Nutrition	1f) Understand where food comes from. 4b 1g) Group familiar foods 1h) Cut ingredients safely 4b 1i) Prepare cold dishes safely, hygienically. 4b	2f) Group food into 5 food groups. 2g) Cut, grate, peel safely. 4b 2h) Measure and weigh using cups, electronic scales. 2i) Prepare cold dishes safely, hygienically 4b	3f) Know what a healthy diet is. 1/2a 4b 5b 3g) Measure and weigh appropriately 1/2a 4b 3h) Follow a recipe 1/2a 4b 3i) Cut accurately and safely. 1/2a 4b 5b	4g) Measure accurately using scales 1/2a 4b 4h) Follow a recipe by preparing ingredients hygienically and using appropriate utensils. 1/2a 4b 5b	5f) Assemble or cook ingredients controlling temp of oven or hob. 5a 3b 5b 5g) Measure accurately with different equipment. 5a 5b 5h) Create recipes. 5a 5b 5i) Understand importance of correct storage and handling of ingredients. 5a 5b
Construction, mechanics and electronics							1k) Mark materials to be cut using template. 2a 2b 1l) Attach wheels using chassis. 6b 1m) With support cut using a hacksaw 6b 1n) Make vehicles with construction kits. 6b	2l) Use range of materials to create models with wheels and axles 6b 2m) Practise drilling, screwing, nailing and gluing to strengthen products. 3/4a	3n) Strengthen frames using diagonal struts 4a 3o) Begin to use gears, pulleys 4a and levers. 6b 3p) Create series circuits science 2b	4n) Investigate how to make structures more stable. 4a 5/6b 4o) Understand and use gears, pulleys, 4a levers and gears. 6b	5I) Use a glue gun under supervision. 2a, 4a, 5a, 6b 5m) Use a hand drill to drill loose and tight fit holes. 4a 6b 5n) Join materials using appropriate methods 1a, 2a, 5a, 2b 6b 5p) Control a model using ICT control model. 4a 6b	6m) Cut wood accurately to 1mm 5a 6n) Build frameworks using a range of materials. 1a, 2a, 5a, 2b 6b 6o) Use a cam to make an up and down mechanism. 2a 6p) Create circuits with a number of components 4a, 6b (LEDs, resistors and transistors)

Progression in Design and Technology Skills – Hawthorn

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	1q) Fold, tear or cut paper or	2q) Cutting and shaping	3r) Cut accurately and safely	4s) Create nets. 1/2a 4a 5b	5r) Show an understanding of the qualities of materials;				
	card. 2a 3/4a 6a 2b 6b	techniques; tear, fold, cut and	using correct tools. 4a6b	4t) Cut slots and internal	choose tools to cut and shape. 2a, 4a, 5a 2b, 6b				
Materials	1r) Investigate strengthening sheet materials. 6a 1s) Roll paper to make tubes. 3/4a 1t) Use a range of joining techniques; gluing, taping 3/4a 6a 2b 6b 1u) Measure and mark out lines. 2b 6b	curl. 2a 3/4a 6a 2b 6b 2r) Cut safely using tools provided. 2a 3/4a 2b 6b 2t) Joining techniques; gluing, taping creating hinges 2a 3/4a 6a 2b 6b 2v) Use simple pop ups. 3/4a	3t) Cut slots. 1/2a 6b 3u) Measure and mark out accurately 4a 5/6b	shapes.6b 4u) Measure and mark out to nearest mm 4a 5/6b 4v) Use and explore complex pop ups. 6b	5t) Cut materials with precision, refine the finish. 1a, 2a, 4a, 5a 2b, 6b				
≥	1w) Explore objects and designs to identify likes and dislikes.		3x) Disassemble products to understand how they work. 4a		5z) Use knowledge of inventors, designers, engineers, chefs and manufacturers to create own innovative designs. 2a, 4a,				
	2a 6a 2b 4b 6b		5/6b						
Take inspiration from design throughout history	1x) Explore how products have been created. 6a 2b 4b 6b		3y) Improve on existing designs, giving reasons for choices. 4a 4b 5/6b 3z) Identify some of the great designers in different areas of study to generate ideas. 4a 6b		5a 5b, 6b				