

KS3 Design and Technology



Year 7

Year 8

Year 9

Resistant Materials	<p>Sweet dispenser</p> <p>Acrylic maze game</p> <ul style="list-style-type: none"> • Woodworking skills • Using tools • Sustainability • CAD/CAM – laser cutting • Graphic design, rendering and packaging 	<p>Bottle opener and spinning top</p> <p>Electronic speaker</p> <ul style="list-style-type: none"> • Soldering a circuit • CAD/CAM – sublimation printing • Mechanisms and systems • Forces 	<p>Metal phone stand / rose</p> <p>Electronic lamp</p> <p>Marble run / quilled image</p> <ul style="list-style-type: none"> • Paper and boards • Metal grouping and forming • Electronics, joining and wood work skill advancement
	<p>Textiles</p> <p>Sock puppet</p> <ul style="list-style-type: none"> • Using a template and tacking • Exploring seam allowances 	<p>Phone pillow</p> <p>Snack wrapper</p> <ul style="list-style-type: none"> • Use of guidelines on sewing machines • Improving seam allowance skills 	<p>A safety product</p> <ul style="list-style-type: none"> • Contextual independent making project • Embroidery and advanced skill on machines developed
Food	<p>Fruit kebabs, cheese straws, flatbread, oat biscuits</p> <ul style="list-style-type: none"> • Knife cutting skills • Hygiene and safety • Oven safety • Following a recipe • Healthy eating and food provenance 	<p>Cookies, frittata, roux sauce, savoury rice</p> <ul style="list-style-type: none"> • Cooking methods • Bacteria and pathogens • Nutritional meals • Demonstrating food science 	<p>Swiss roll, stir fry, bread</p> <ul style="list-style-type: none"> • Independence In the kitchen • Adapting recipes • Problem solving • Mechanical, chemical and biological raising agents