

Lower Key Stage 2
Progression of Skills in Design and Technology

Developing, Planning and Communicating Ideas		Evaluating	
<ul style="list-style-type: none"> Investigate similar products to the one to be made to give starting points for a design Draw/sketch products to help analyse and understand how products are made Think ahead about the order of their work and decide upon tools and materials Plan a sequence of actions to make a product Record the plan by drawing (labelled sketches) or writing Develop more than one design or adaptation of an initial design Propose realistic suggestions as to how they can achieve their design ideas Add notes to drawings to help explanations 		<ul style="list-style-type: none"> Identify the strengths and weaknesses of their design ideas Decide which design idea to develop Consider and explain how the finished product could be improved Discuss how well the finished product meets the design criteria and how well it meets the needs of the user. 	
Materials and Components – Knowledge and Understanding			
Sheet Materials	Construction	Textiles	Food
<ul style="list-style-type: none"> Cut slots Cut internal shapes Use lolly sticks/card to make levers and linkages Use linkages to make movement larger or more varied. Use and explore complex pop ups Create nets 	<ul style="list-style-type: none"> Incorporate a circuit with a bulb or buzzer into a model Create shell or frame structures, strengthen frames with diagonal struts Make structures more stable by giving them a wide base Prototype frame and shell structures Measure and mark square selection, strip and dowel accordingly to 1cm Use glue gun with close supervision (one to one) 	<ul style="list-style-type: none"> Understand seam allowance Join fabrics using running stitch, over sewing, back stitch Explore fastenings and recreate some e.g. sew on buttons and make loops Prototype a product using J cloths Use appropriate decoration techniques e.g. appliqué(glued or simple stitches) Create a simple pattern Understand the need for patterns 	<ul style="list-style-type: none"> Develop sensory vocabulary/knowledge using, smell, taste, texture and feel Analyse the taste, texture, smell and appearance of a range of foods Follow instructions Make healthy eating choices from and understanding of a balanced diet Join and combine a range of ingredients e.g. snack foods Work safely and hygienically Measure and weigh ingredients appropriately