Key Learning in Design and Technology – Upper Key Stage 2			
Design	Make	Evaluate	
List tools needed before starting the activity	Make prototypes	Research and evaluate existing products	
Plan the sequence of work (Use a storyboard)	Develop one idea in depth	Consider user and purpose	
Record ideas using annotated diagrams	Use researched information to inform decisions	Identify the strengths and weaknesses of their design ideas	
Use exploded diagrams and cross-sectional diagrams			
to communicate ideas (Year 6)	Produce lists of ingredients/components/ materials and tools (Year 6 must provide	Give a report using correct technical vocabulary (Year 6 – written)	
Use models, kits and drawings to help formulate	these in great detail)		
design ideas		Consider and explain how the finished product	
	Use a computer to model ideas	could be improved, related to design criteria	
Combine modelling and drawing to refine ideas			
Device store by store place, which say be	Select from and use a wide range of tools	Discuss how well the finished product meets the	
Devise step by step plans, which can be read/followed by someone else	Cut accurately and safely to a marked line	design criteria of the user. Test on the user!	
read/followed by someone else		Understand how key people have influenced design	
Sketch and model alternative ideas	Select from and use a wide range of	onderstand now key people have initiaenced design	
	materials		
Decide which design idea to develop			
	Use appropriate finishing techniques for		
	the project		
	Refine their product – review and		
	rework/improve		

Key Learning in Design and Technology – UKS2			
Cooking and Nutrition (Year 5)	Cooking and Nutrition (Year 6)	Structures (Cycle B Only)	Mechanical and Electrical Systems and ICT (Cycle A Only)
Prepare food products, with greater independence, showing some understanding of the properties of the ingredients. Weigh and measure using scalesPrepare food products taking into account the properties of ingredients and sensory characteristics Weigh and measure using scalesSelect and prepare foods for a particular purpose Work safely and hygienically 	Use the correct terminology for tools, materials and processes Join materials using appropriate methods Build frameworks to support mechanisms Stiffen and reinforce complex structures Cut strip wood, dowel and square section wood accurately to 1mm Use a bradawl to mark hole positions Use a hand drill to drill tight and loose fit holes (Where resources and supervision allow)	Develop a technical vocabulary appropriate to the project Use electrical systems such as motors Use mechanical systems such as pulleys and gears Program, monitor and control using ICT	
	Textiles	Mechanical and Electrical Systems and ICT	
	(Cycle A Only) Use the correct vocabulary appropriate to the project Create 3D products using pattern pieces and seam allowance Understand pattern layout Decorate textiles appropriately (often before joining components) Pin and tack fabric pieces together Join fabrics using over sewing, back stitch, blanket stitch or machine stitching (close supervision) Combine fabrics to create more useful properties Make quality products	(Cycle B Only) Develop a technical vocabulary appropriate to the project Use electrical systems such as motors Use mechanical systems such as cams Program, monitor and control using ICT This will depend on task chosen.	