К	ey Learning in Desig	n and Technoloថ្	gy – Upper Key Stage 2		
Design		Make		Evaluate	
List tools needed before starting the activity Plan the sequence of work e.g. using a storyboard Record ideas using annotated diagrams Use models, kits and drawings to help formulate design ideas Combine modelling and drawing to refine ideas Devise step by step plans which can be read/followed by someone else Use exploded diagrams and cross-sectional diagrams to communicate ideas Sketch and model alternative ideas Decide which design idea to develop		Make prototypes Develop one idea in depth Use researched information to inform decisions Produce detailed lists of ingredients / components / materials and tools Use a computer to model ideas Select from and use a wide range of tools Cut accurately and safely to a marked line Select from and use a wide range of materials Use appropriate finishing techniques for the project Refine their product – review and rework/improve		Research and evaluate existing products (including book and web based research) Consider user and purpose Identify the strengths and weaknesses of their design ideas Give a report using correct technical vocabulary Consider and explain how the finished product could be improved related to design criteria Discuss how well the finished product meets the design criteria of the user. Test on the user! Understand how key people have influenced design	
Food	Textiles		Structures		Mechanical and electrical systems & ICT
Prepare food products taking into account the properties of ingredients and sensory characteristics Weigh and measure using scales Select and prepare foods for a particular purpose Work safely and hygienically Show awareness of a healthy diet (using the eatwell plate) Use a range of cooking techniques Know where and how ingredients are grown and processed Consider influence of chefs e.g. Jamie Oliver and school meals.	Use the correct vocabulary appropriate to the project Create 3D products using patterns 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 (closer supervision) Combine fabrics to create more useful properties Make quality products		methods Build frameworks to support mechanisms		evelop a technical vocabulary propriate to the project se mechanical systems such cams, pulleys and gears se electrical systems such as otors