



Knowledge and Skills Map – Design Technology - Year 6



Developing, Planning and Communicating Ideas	Working with Tools, Equipment, Materials and Components to Make Products	Evaluating Processes and Products
- Can they use a range of information to inform their design? - Can they use market research to inform plans? - Can they work within constraints? - Can they justify their plan to someone else? - Can they consider culture and society in their design? - Have they considered the use of the product when selecting materials? - Have they thought about how their product can be marketed through packaging and advertising?	- Can they choose appropriate tools and materials to ensure that the final product will appeal to the audience? - Can they use a range of tools and equipment with good accuracy and effectiveness, within established safety parameters?	- How well do they test and evaluate their final product? - Is it fit for purpose? - What would improve it? - Would different resources have improved their product? - Would they need more or different information to make it even better? - Does their product meet all design criteria?
Electrical and Mechanical Components	Construction and Use of Materials	Textiles
- Can they use different kinds of circuits in their product to improve it? - Can they incorporate a switch into their product? - Can they refine their product after testing it?	- Are their measurements accurate enough to ensure precision? - Can they demonstrate that their product is strong and fit for purpose? - Are they motivated to refine and further improve their product?	- Can they consider the audience when choosing textiles? - Can they make up a prototype first? - Can they use a range of joining techniques?

Greater Depth
- Can they develop and follow a well thought out design brief and have accurately researched the end user's needs and preferences throughout the process? - Can they evaluate critically other products and use this information to make purposeful amendments their own? - Do they use a high quality and variety of presentation and precision in their design and make? - Can think deeply and critically about other products and identify the strengths and weaknesses of the designs?