



### DT Skills Overview Grid: Lower KS2

Key Skills	Year 3						Year 4						
	Term	A1	A2	Sp1	Sp2	Su1	Su2	A1	A2	Sp1	Sp2	Su1	Su2
Design - use research and develop design criteria to inform the design of functional, appealing products that are fit for purpose													
Design - generate, develop, model and communicate their ideas through discussion, annotated sketches, cross-sectional and exploded diagrams, prototypes, pattern pieces and computer-aided design								x					
Make - select from and use a wider range of tools and equipment to perform practical tasks [for example, cutting, shaping, joining and finishing], accurately													
Make - select from and use a wider range of materials and components, including construction materials, textiles and ingredients													
Evaluate - investigate a range of existing products													
Evaluate - evaluate their ideas and products against their own design criteria and consider the views of others to improve their work													
Evaluate - understand how key events and individuals in design and technology have helped shape the world													
Technical knowledge - apply their understanding of how to strengthen, stiffen and reinforce more complex structures													
Technical knowledge - understand and use mechanical systems in their products [for example, gears, pulleys, cams, levers and linkages]													
Technical knowledge - understand and use electrical systems in their products [for example, series circuits incorporating switches, bulbs, buzzers and motors]													
Technical knowledge - apply their understanding of computing to program, monitor and control their products													

