DT Skills Overview Grid: Upper KS2

Key Skills	Year 5						Year 6					
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												
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												