SKILLS PROGRESSION

	KEY STAGE 1		LOWER KEY STAGE 2		UPPER KEY STAGE 2	
	YEAR 1	YEAR 2	YEAR 3	YEAR 4	YEAR 5	YEAR 6
Design	1.1 Use pictures and words to convey what they want to design/make.	2.1 Use drawings to record ideas as they are developed.	3.1 Record ideas by drawing using annotated sketches.	4.1 Record ideas by drawing using annotated sketches	5.1 Record ideas using annotated diagrams. (including CAD)	6.1 Record ideas using annotated diagrams. (including CAD)
		2.2 Add notes to drawings to help explanations.			5.2 Use exploded diagrams and cross-sectional diagrams to communicate ideas.	6.2 Use exploded diagrams and cross-sectional diagrams to communicate ideas.
	1.3 Model ideas with construction kits	2.3 Use kits/reclaimed materials to develop more than one idea	3.3 Use prototypes to develop and share ideas.	4.3 Use prototypes to develop and share ideas.	5.3 Sketch and model alternative ideas.	6.3 Sketch and model alternative ideas.
	1.4 Describe their models and drawings of ideas	2.4 Describe their models and drawings of ideas	3.4 Propose realistic suggestions as to how they can achieve their design ideas.	4.4 Propose realistic suggestions as to how they can achieve their design ideas.	5.4 Decide which design idea to develop.	6.4 Decide which design idea to develop.
	1.5 Talk about how they will make their product	2.5 Talk about how they will make their product	3.5 Order the main stages of making.	4.5 Order the main stages of making	5.5 Devise step-by-step plans	6.5 Devise step-by-step plans
Make	1.6 Select materials from a limited range that will meet the design criteria.	2.6 Select materials from a limited range that will meet the design criteria.				
	1.7 Explain which materials they are using and why.	2.7 Explain which materials they are using and why.	3.7 Explain their choice of materials according to functional properties and aesthetic qualities.	4.7 Explain their choice of materials according to functional properties and aesthetic qualities.	5.7 Use a wide range of materials using research to inform decisions.	6.7 Use a wide range of materials using research to inform decisions.
	1.8 Select and name the tools needed for making.	2.8 Select and name the tools needed for making.	3.8 Select and use appropriate tools to measure, mark, cut and assemble with some accuracy.	4.8 Select and use appropriate tools to measure, mark, cut and assemble with some accuracy.	5.8 Use a wide range of tools to measure, mark, cut and assemble accurately.	6.8 Use a wide range of tools to measure, mark, cut and assemble accurately.
	1.9 Use suitable finishing techniques	2.9 Use suitable finishing techniques	3.9 Use a range of finishing techniques with some accuracy	4.9 Use a range of finishing techniques with some accuracy	5.9 Use a range of finishing techniques accurately	6.9 Use a range of finishing techniques accurately
					5.10 Refine their product – review and rework/improve.	6.10 Refine their product – review and rework/improve.
Evaluate	1.11 Explore existing products and investigate how they have been made.	2.11 Explore existing products and investigate how they have been made.	3.11 Draw/sketch existing products to help analyse and understand how products are made	4.11 Draw/sketch existing products to help analyse and understand how products are made	5.11 Research and evaluate existing products using technical vocabulary (including book and web based research).	6.11 Research and evaluate existing products using technical vocabulary (including book and web based research).
			3.12 Research key individuals in D&T	4.12 Research key individuals in D&T	5.12 Investigate key events and individuals in D&T	6.12 Investigate key events and individuals in D&T
	1.13 Talk about their design and what they are making	2.13 Talk about their design and what they are making.	3.13 Talk about their design as they develop and identify what they like and do not like and say why.	4.13 Talk about their design as they develop and identify what they like and do not like and say why.	5.13 Evaluate their product as they make and identify what needs to be improved.	6.13 Evaluate their product as they make and identify what needs to be improved.
	1.14 Say how well their product meets the design criteria	2.14 Say how well their product meets the design criteria	3.14 Discuss how well the finished product meets the design criteria	4.14 Discuss how well the finished product meets the design criteria	5.14 Identify how well the finished product meets the design criteria of the user.	6.14 Identify how well the finished product meets the design criteria of the user.
	1.15 Suggest how their finished product could be improved.	2.15 Suggest how their finished product could be improved.	3.15 Identify the strengths and areas for development in their work.	4.15 Identify the strengths and areas for development in their work.	5.15 Identify the strengths and areas for development in their work, considering the views of others to improve their work.	6.15 Identify the strengths and areas for development in their work, considering the views of others to improve their work.