

Curriculum Implementation Mapping – Skills and Knowledge

Subject: Design & Technology

Year group: 9

Topic	New and emerging technologies	Designing principles	Making principles	Project - Contextual challenge		
Knowledge	<ul style="list-style-type: none"> - Industry and enterprise - Sustainability and the environment - People, culture and society - Production techniques and systems - Informing design decisions 	<ul style="list-style-type: none"> - Investigation, primary and secondary data - The work of others - Design strategies - Communication of design ideas 	<ul style="list-style-type: none"> - Selection of materials and components - Tolerances - Material management - Tools, equipment, techniques and finishes - Surface treatments and finishes 	Understanding the iterative design process in more detail. Research Design Make Evaluate		
Skills	Retention of knowledge through revision techniques Implementation of mathematical techniques	Retention of knowledge through revision techniques Implementation of mathematical techniques	Retention of knowledge through revision techniques Implementation of mathematical techniques	Using tools and equipment at a higher level. Further development of CAD and CAM. Further development of drawing skills		
Assessment Pattern	Homework and Unit test logged on G4S	Homework and Unit test logged on G4S	Homework and Unit test logged on G4S	Throughout using a personalized progress tracking sheet and then updated on G4S.		