

Year 7 (3 Rotations of approx. 12 weeks each) – Post modern light sensing lamp project				Year 8 (3 Rotations of approx. 12 weeks each) – Clock design and make project to raise awareness of Net zero		
research, specification, safety, designing, plastics , electronics, hand tools, machinery Exam CAT 1: designing CAT2: making				Sustainability, woods, metals, CAD CAM, forming, mass production, Exam CAT 1: designing CAT2: making		
Year 9 (2 Rotations of approx. 14 weeks each) - PRODUCT DESIGN						
History of technology, product evolution, enterprise, user-centred design, prototyping, polymers, mass production processes, 3D CAD, 3D printing, sustainability, bioplastics, Exam CAT 1: designing CAT2: making						
Year 10 Assessment – Common Tasks for topics 4 & 5. Pupils made aware of weightings at autumn grade point. Mock Exam is Common Assessed Task 3.						
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	
DESKTOP PUBLISHING/ OIL BURNER MAKING TASK	ARCHITECTURAL DESIGN	ARCHITECTURAL DESIGN	SYSTEMS AND CONTROL	PRODUCT STYLING		NEA INTRODUCTION
Photoshop, working drawings, woods, metals, plastics	prototyping compliant materials smart materials mechanisms, ratios	planning for disasters perspective drawing interior design scale	3D graphic communication styles energy structures textiles	programmable components Zaha Hadid, Heatherwick Studios, Tesla composite materials eg concrete	School Exams	Choosing themes/ research
Year 11 Common Task dates given in brackets						
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	
NEA research and designing	NEA development and planning	NEA making	NEA making and evaluating	Revision		
Year 12 Common Task dates given in brackets						
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	
Materials, properties, safety	Processes, accuracy, CAD CAM	Ergonomics, design history, major technologies	Making: accuracy, quality control	Sustainability, product life cycle	School Exams	
Group design and make project	Introducing individual lamp project		NEA: choosing themes	NEA researching and designing		NEA designing
Year 13 Common Task dates given in brackets						
Term 1	Term 2	Term 3	Term 4	Term 5	Term 6	
MAIN THEME	Volumes of production, manufacturing systems	MOCK EXAMS	Copyright, consumer rights	Design strategy		
NEA development and planning NEA	NEA making	NEA making	NEA making and evaluating	Exam preparation		