

Yr12

Week	Exam Theory	NEA	Assessment	Homework
1	Materials and their applications (TP)	Safety Box - Production of a series of products demonstrating skills in, Wood, metal, plastic, graphics and CAD practical skills. 14 lessons	On going assessment of Exam theory comprehension through practice exam questions and end of unit tests	For Home Schedule see AQA Scheme of work
2	Testing materials (TP)			
3	Performance characteristics of materials (TP): papers and boards, composites.			
4	Performance characteristics of materials (TP): polymer based sheet and film, biodegradable polymers.			
5	Performance characteristics of materials (TP): woods, Smart and modern materials			
6	Performance characteristics of materials (TP): Metals			
7	Performance characteristics of materials (TP): Polymers			
October				
8	Design methods and processes (DMP)	Mini design and make project - introduction to brief		
9	Design theory (DMP)	& Production of a specification - 4 lessons	Finish Spec	
10	Technology and cultural changes (DMP)	Initial design ideas and on-going research - 4 lessons		
11	Design processes (DMP)		Design ideas	For Home Schedule see AQA Scheme of work
12	Critical analysis and evaluation (DMP)	Initial modelling - 4 lessons		
13	Selecting appropriate tools, equipment and processes (DMP)			
14	Accuracy in design and manufacture (DMP)	Analysis of models and development 2 lessons	Modelling	
Christmas				
15	Responsible design (DMP)	Development of design drawings 2 lessons		
16	Design for manufacture (DMP)	Further modelling and evaluation 2 lessons		
17	Enhancement of materials (TP)	Selection of materials and development of final design 4 lessons		
18	Forming, redistribution and addition processes (TP)		Final Design	For Home Schedule see AQA Scheme of work
19	Forming, redistribution and addition processes (TP)	Manufacture of Prototype - 12 lessons		
20	Forming, redistribution and addition processes (TP)	Manufacture of Prototype		
February				
21	The use of finishes (TP)	Manufacture of Prototype		
22	The use of finishes (TP)	Manufacture of Prototype		
23	Modern and industrial commercial practice (TP)	Manufacture of Prototype		
24	Digital design and manufacture (TP)	Manufacture of Prototype	Finished Product	For Home Schedule see AQA Scheme of work
25	Product design and development (TP)	Section E Evaluation - 2 Lessons		
26	Health and safety (TP)	Evaluation - 2 Lessons	Final Evaluation	
Easter				
27	Design for manufacturing, maintenance, repair and disposal (TP)	Start of NEA Section A – Identifying and investigating design possibilities (20 marks)		
28	Enterprise and marketing in the development of products (TP)			
29	Design communication (TP)			
30	Technology and cultural changes (A-level specific) (DMP)			For Home Schedule see AQA Scheme of work
31	Design processes – prototype development (A-level specific) (DMP)	Section B Design Brief and Specification		
32	Design processes (A-level specific) (DMP) – iterative design in commercial contexts			
Whitsun				
33	Design theory (A-level specific) (DMP)	Section C - Development of Designs		
34	Design theory (A-level specific) (DMP)			
35	Selecting appropriate tools, equipment and processes (A-level specific) (DMP)			
36	Responsible design (A-level specific) (DMP)			
37	Design for manufacture and project management (A-level specific) (DMP)			
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Yr13

Week	Exam Theory	NEA	Assessment	Homework
1	National and international standards in product design (A-level specific) (DMP)	Section - C Continued	On going assessment of Exam theory comprehension through practice exam questions and end of unit tests	For Home Schedule see AQA Scheme of work
2	Performance characteristics of materials (A-level specific) (TP)			
3	Performance characteristics of materials (A-level specific) (TP)			
4	Performance characteristics of materials (A-level specific) (TP)			
5	Performance characteristics of materials (A-level specific) (TP)			
6	Performance characteristics of materials (A-level specific) (TP)			
7	Forming, redistribution and addition processes (A-level specific) (TP)			
8	Forming, redistribution and addition processes (A-level specific) (TP)	Section D Development of Prototype		For Home Schedule see AQA Scheme of work
9	Forming, redistribution and addition processes (A-level specific) (TP)			
10	The use of finishes (A-level specific) (TP)			
11	The use of finishes (A-level specific) (TP)			
12	Modern and industrial commercial practice (A-level specific) (TP)			
13	Modern and industrial commercial practice (A-level specific) (TP)			
14	Digital design and manufacture (A-level specific) (TP)			
15	Digital design and manufacture (A-level specific) (TP)	Section D - Continued		For Home Schedule see AQA Scheme of work
16	Digital design and manufacture (A-level specific) (TP)			
17	The requirements for product design and development (TP)			
18	Protecting designs and intellectual property (TP)			
19	Design for manufacturing, maintenance, repair and disposal (TP)			
20	Feasibility studies (TP)			
21	Enterprise and marketing in the development of products (TP)	Section E Analyse and Evaluate		For Home Schedule see AQA Scheme of work
22	Modern manufacturing systems (TP)			
23	Detailed product study			
24	Detailed product comparison			
25	Detailed product analysis			
26	Exam preparation – Exam technique			
27	Exam preparation – (TP)	Submission of NEA		For Home Schedule see AQA Scheme of work
28	Exam preparation – (TP)			
29	Exam preparation – (TP)			
30	Exam preparation – (DMP)			
31	Exam preparation – (DMP)			
32	Exam preparation – (DMP)			
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