

## GCSE D&T Year 10 – Plan for Learning (Product Design)

Week	Lesson 1	Lesson 2	Lesson 3	Homework
1	Introduction to course	1.1 Industry & Enterprise, Sustainability & People	1.1 People, Culture & Society, Environment, Production Techniques & Systems	Revision for 1.1 Test
2	1.1 Test	1.2 – Critical Evaluation	1.2 – Critical Eval (ethics/enviro)	Revision for 1.2 Test
3	1.2 Test	1.3 Energy Generation & Storage	1.3 Energy Generation & Storage	Revision for 1.3 Test
4	1.3 Test	1.4 Modern & Smart Materials	1.4 Composite Materials	Revision for 1.4 Test
5	1.4 Technical textiles (add pg)	Unit 1.4 Test	1.5 Mechanical devices	Revision for 1.5 Test
6	1.5 Test	1.6 Electronic systems	1.7 Programmable components	Revision for 1.6/7 Test
7	1.6/7 Test	Buffer	Buffer	-
October Half Term				
8	Intro/recap to H&S	Measuring/cutting main box	Measuring/cutting gluing main box	
9	Measuring/cutting draw	Measuring/cutting gluing draw	Measuring/cutting gluing draw	
10	Measuring /cutting pencil holder	Measuring /cutting pencil holder	Measuring /cutting pencil holder	Designs for handle insert
11	Pewter casting intro	2d design insert and laser cutting	2d design insert and laser cutting	
12	Pewter casting	Pewter casting	Vacuum forming tray demo	
13	Vacuum forming tray	3D drawing/printing handle	3D drawing/printing handle	
14	Phone holder laser cutting	Phone holder strip heating	Phone holder assembly	
Christmas Holidays				
15	1.8 Metals	1.8 Metals	1.9 Papers and Boards	Revision for 1.8-1.12 Test
16	1.9 Papers and Boards	1.10 Polymers	1.10 Polymers	Revision for 1.8-1.12 Test
17	1.11 textiles	1.11 textiles	1.12 Timbers	Revision for 1.8-1.12 Test
18	1.12 Timbers	1.1.8-12 Materials test	1.13 Performance characteristics	Revision for 1.8-1.12 Test
19	1.14 social and economic challenges	1.15 analysing products	1.16 design strategies	Revision for
20	1.17 communication techniques	Buffer	Buffer	
21	Buffer	Buffer	Buffer	
February Half Term				
22	Measuring/Cutting speaker ends	Cutting/Shaping speaker ends	Cutting/Shaping speaker ends	
23	Measuring/cutting aluminium	Drilling/bending aluminium	Drilling/bending aluminium	
24	Assembling main speaker body	Speaker electronics	Speaker electronics	
25	2d design speaker face	2d design speaker face	Assembly of speaker	
26	Assembly of speaker	Assembly of speaker	Assembly of speaker	
27	Buffer	Buffer	Buffer	
Easter Holidays				
28	7.1 Timbers – design contexts	7.2 Sources of timber	7.2 Sources of timber	

29	7.3 selection of timber	7.4 strengthening timber	7.5 stock forms and sizes	
30	7.6 Manufacturing processes	7.7 equipment and processes	7.7 equipment and processes	
31	7.8 surface treatments and finishes	Test on Timbers 7.1-	Buffer	
32	Buffer	Buffer	Buffer	
33	NEA set-up	NEA set-up	NEA set-up	
May Half Term				

### GCSE D&T Non-Examined Assessment

34	Kick Off NEA 2024	Investigating the Context / Possibilities & Opportunities	Write up Spider Diagram
35	Identifying the Need (Situation)	User Group Interview	User Group Interview
36	User Group Wants and Needs	Interview User Group / Client	Interview User Group / Client
37	Product Analysis	Product Analysis	Product Analysis
38	Contextual Research	Contextual Research	Contextual Research Photos
39	Research Method 2	Research Method 2	Research Method 2
40	Design Brief & Specification	Specification	Complete all research up to Specification

### GCSE D&T Year 11 – Plan for Learning (Product Design)

Date	Lesson 1	Lesson 2	Lesson 3
1	Design Ideas Start (Initial Thoughts)	Idea Generation	Idea Generation
2	Design Idea 1	Design Idea 1	Design Idea 1
3	Design Idea 2	Design Idea 2	Design Idea 2
4	Design Idea 3	Design Idea 3	Design Idea 3
5	Improve: Design Ideas	Review of Initial Ideas	Review of Initial Ideas
6	Development 1	Development 1	Development 1
7	Development 2	Development 2	Development 2
October Half Term			
8	INSET DAY	INSET DAY	Design Ideas Start (Initial Thoughts)
9	Design Idea 1	Design Idea 1	Design Idea 1
10	Design Idea 2	Design Idea 2	Design Idea 2
11	Design Idea 3	Design Idea 3	Design Idea 3

12	Development 4	Development 4	Development 4
13	Chosen Design	Chosen Design	Chosen Design
14	Improve: Development	Review Chosen Design	Review Chosen Design
<b>Christmas Holidays</b>			
15	Make	Make	REVISION – UNIT 1
16	Make	Make	REVISION – UNIT 2
17	Make	Make	REVISION – UNIT 3
18	Make	Make	REVISION – UNIT 4
19	Make	Make	REVISION – UNIT 5
20	Make	Make	REVISION – TIMBERS
<b>February Half Term</b>			
21	Make	Make	Make
22	Make	Make	Make
23	Testing	Testing	Make
24	Evaluation	Evaluation	Buffer
25	REVISION – UNIT 1	REVISION – UNIT 1	REVISION – UNIT 1
26	REVISION – UNIT 2	REVISION – UNIT 2	REVISION – UNIT 2
<b>Easter Holidays</b>			
28	REVISION – UNIT 3	REVISION – UNIT 3	REVISION – UNIT 3
29	REVISION – UNIT 4	REVISION – UNIT 4	REVISION – UNIT 4
30	REVISION – UNIT 5	REVISION – UNIT 5	REVISION – UNIT 5
31	REVISION – TIMBERS	REVISION – TIMBERS	REVISION – TIMBERS
32	Past Paper	Past Paper	Past Paper
33	Past Paper	Past Paper	Past Paper
<b>May Half Term</b>			