



Product Design - Learning Journey

DT Y7		Baseline Position								
Topic	ELEMENT	Step								
		1	2	3	4	5	6	7	8	9
Knowledge	I have a very basic understanding of knowledge									
	I have a basic understanding of knowledge									
	I have a good understanding of knowledge									
	I have a good understanding of knowledge & can apply it some of the time									
	I have a good understanding of knowledge & can apply it most of the time									
	I have a good understanding of knowledge & can apply it the majority of the time									
	I have a very good understanding of knowledge & can apply it the majority of the time									
	I have an excellent understanding of knowledge & can apply it the majority of the time									
	I have an excellent understanding of knowledge & can apply it all of the time									
Manufacture	With help and support I have tried to make my product									
	With help and support I have made my product									
	I have used some tools and equipment to produce parts of my product myself									
	I have used tools and equipment correctly to make my product									
	I have used the correct tools and equipment and used them with some accuracy to make my product									
	I have used the correct tools and equipment skilfully and accurately to make my product									
	I have used a range of processes correctly and skilfully to produce a well-made product accurately and correctly. My product meets the design brief / Specification									
	I have used a range of processes correctly and skilfully to produce a well-made product accurately and correctly. My product meets the design brief / Specification and shows a good level of quality									
	I have used a range of processes correctly and skilfully to produce a well-made product accurately and correctly. My product meets the design brief / Specification and shows a good level of quality and precision									
Design	With help I have sketched an idea									
	I have a range of ideas with a final design									
	I have a range of ideas with a final design and have labelled my sketches									
	I have a range of ideas with a final design and have notes explaining my ideas									



I have a range of ideas that are developed and have notes explaining the idea and concept. I have produced a final design										
I have a range of creative ideas that are developed and have detailed notes explaining the idea and concept. I have produced a final design that is explained										
I have a range of creative ideas that are developed and have detailed notes explaining the idea and concept. I have skilfully produced a final design that is well presented										
I have a range of creative ideas that are developed and have detailed notes explaining the idea and concept. I have skilfully produced a final design that is well presented. My product fully meets the design brief/ specification										
I have a range of creative ideas that are developed and have detailed notes explaining the idea and concept. I have skilfully produced a final design that is well presented. My product fully meets the design brief / Specification and are communicated to a high level of presentation										

Lesson	Learning Focus	Project
1	Welcome to the Workshop	DT Skills
2	Health & Safety & Measuring Skills	DT Skills
3	Using Machines (Key project)	DT Skills
4	Using Machines (Key project)	Health & Safety Revision Homework
5	Finishes (Varnish)	DT Skills
6	H&S Test	Assessment 1 - Key Fob
7	Marking Out & Types of Saws	Blockhead
8	Manufacture the Blockhead	Blockhead
9	Manufacture the Blockhead	Blockhead
10	Types of wood	Blockhead
11	Manufacture the Blockhead	Blockhead
12	Manufacture the Blockhead	Blockhead
13	Manufacture the Blockhead	Blockhead
14	Paints & Finishes	Blockhead
15	Assembly & Evaluation	Assessment 2 Blockhead
16	Design Context and Brief	Blockhead
17	Design Ideas	Mechanism Homework
18	Base Manufacture	Night Light
19	Base Manufacture	Night Light
20	Base Manufacture	Night Light
21	Circuits & Soldering	Assessment 3 Nightlight Design
22	Manufacture the circuit	Night Light
23	Intro to CAD 2D design	Jazz up a Jam Jar Homework
24	CAD design	Night Light
25	Assembly	Night Light
26	Varnish	Night Light



27	Evaluation	Assessment 4 - Manufacture Night light	Night Light
28	Design Brief Analysis		Desk Tidy
29	Ideas		Desk Tidy
30	Template manufacture	End of year exam revision Homework	Desk Tidy
31	Marking out		Desk Tidy
32	Cutting out	Assessment 5 - Manufacture Desk tidy	Desk Tidy
33	Cutting out		Desk Tidy
34	Drilling & use of jigs		Desk Tidy
35	Manufacture the Desk tidy		Desk Tidy
36	Sanding & finishes		Desk Tidy
37	Knowledge Test	Assessment 6 - Exam	Exam
38	Evaluation		Desk Tidy