

Year 7 Subject D&I Learning Journey 2018-2019

Week	Date	Key Constructs / AOs (assessment objectives)					Assessment
		Investigate	DesignB&S	G Ideas	DevelopDI	RealisingDI	Evaluate
1	03.09.18	Casting- casting metals- techniques/methods/process of bending /shaping metals. Generate design in Breuer style. GCSEpod-shaping metals					
2	10.09.18	Draw into 2DDesign. Upload. Cut using laser Cutter. Cast and Fettle/drill. Draw in Google Sketch-up.					Self-Assessment
3	17.09.18	Tic tac toe – ductility of metal/aluminium. Tools and machines used for marking metal, cutting and shaping metal.					
4	24.09.18	Use knowledge to measure and mark out, drill and shape aluminium sheet- knowledge of tools and equipment.					Peer Assessment
5	01.10.18	Picture Frame – Know primary sources of plastics. Shaping and forming plastics. All methods of forming demonstrated by either physically or You Tube					Teacher Assessment
6	08.10.18	Different characteristics of polymers. Working properties of thermosetting and thermoforming plastics. Jigs, formers and templates. Making of picture frame using bending jig.					
7	15.10.18	Scales of production- GCSEpod. Methods of production. Life cycle analysis. Plastics – review knowledge					
H/T							
8	29.10.18	Camper van – analyse context/user identification/product analysis/impact on society					
9	05.10.18	Write design brief and adjust/add to specification.					Teacher Assessment
		Mark and measure frame for camper van cut joints and assemble					
10	12.11.18	Generate design ideas from research on designs of Marcel Breuer.					
11	19.11.18	Develop design ideas – apply design to net of campervan. Save and Upload to Student Services.					
12	26.11.18	Realising Design Idea. Use of laser to cut net. Printing processes used with card/paper.					
13	03.12.18	Electronics – assemble circuit and affix to frame. Assemble net over electronics.					
14	10.12.18	Complete assembly. Evaluate and suggest modifications of completed product					Teacher assessment
15	17.12.18	RAP / Test					
XMAS							
XMAS							
16	07.01.19	Lighting – research Gerrit Rietveld. Product analysis.					Teacher assessment of product analysis.
17	14.01.19	Develop design ideas – draw out 5-6 designs that clearly demonstrates links to Gerrit Reitveld.					
		Mark out lengths. Cut joints. Drill sides. Dowel joint.					
18	21.01.19	Develop Design Ideas – draw out design in CAD for laser cutting.					
19	28.01.19	Realising Design Idea – Joints complete/drill acrylic/assemble.					
20	04.02.19	Electronics-circuit information. Meaning of symbols. Soldering.					
		Continue manufacturing base. Assemble all electronics. Test circuit.					
21	11.02.19	Evaluate completed design –modifications.					Self-assessment
H/T							
22	25.02.19	Product in a tin. Research existing products.					
23	04.03.19	Develop design ideas. Use Breuer as key designer					
24	11.03.19	Further development and justification					
25	18.03.19	Cut/make hat – use of machine skills/techniques/applique/CAD sewing					
26	25.03.19	As above and complete					Teacher Assessment
27	01.04.19	Evaluation as a product – group evaluation EBI/ WWW					
EASTER							
EASTER							
28	22.04.18	Construction - pan stand. Reading orthographic drawing. Measure joints/cut.					
29	29.04.18	Measure joints / cut					
30	06.05.18	Use of plane. Types of adhesives. Assemble center section.					
31	13.05.18	Measure and mark lengths. Joints for corners. Screw together. Ext.CAD design of center board. Laser engrave					Teacher assessment
32	20.05.18	Revision					
H/T							
33	03.06.18	Revision					

34	10.06.19	NOTE
35	17.06.19	Design drawing - communication skills
36	24.06.19	Activity Week

Year 9 Subject D&T Progress Tracker

FLIGHT PATH STICKER	<u>Key Constructs</u> Investigate Design brief and specification Generate ideas Developing ideas Realising ideas Evaluate
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Date	Assessment		F Path Grade /B4L	Action (s) to make progress- Codes
	Self-Assessment Casting/QA/finish			
	Peer Assessment Accuracy			
	Teacher Assessment - completed product - tictactoe			
	Teacher assessment of product analysis			
	Self - assessment. Lighting			
	Teacher Assessment - product in a tin			
	Teacher Assessment- pan stand			