

What are the aims and intentions of this curriculum?

Term	Topics	Knowledge covered	Skills developed	Assessment
Autumn 1	Customer Brief	Core principles Health and Safety recap Consolidation of knowledge of materials Costings and working to a customer brief	2D design 3D design Sketching and research Costings	test
Autumn 2	Manufacturing bespoke designs	Cutting list Production plans Toolbox demos	Production diary Evaluation skills Design - sketching and drawing Using a production plan Fabrication and welding	Worksheets
Spring 1	Manufacturing Production planning Costings	Production diary Health and Safety signs and workshop procedures	Marking out wood and metal Intro to more Cutting techniques Working to a production plan in workshop	test
Spring 2	Manufacturing Working within a budget	Continuation of Production logs and process	Advanced cutting techniques	evaluations
Summer 1	Production run	"	Revision of key topics and materials Production diary detail Practise of 2D and 3D design skills	Test
Summer 2	Presentation and evaluation of finished product for customer	Tools and equipment audit Design project management	Full revision of materials covered Techniques and equipment evaluation Customer evaluation	Test