

What are the aims and intentions of this curriculum?

Term	Topics	Knowledge covered	Skills developed	Assessment
Autumn 1	Brief : Garden Planter	Core principles Health and Safety recap Consolidation of knowledge of materials	2D design Intro to 3D design Sketching and research	test
Autumn 2	Design of planter	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 Planter	Production diary Health and Safety signs and workshop procedures	Marking out wood and metal Cutting techniques Working to a production plan in workshop	test
Spring 2	“	Continuation of Production logs and process	More cutting techniques	evaluations
Summer 1	Production of planter	“	Revision of key topics and materials Production diary detail Practise of 2D and 3D design skills	Test
Summer 2	Manufactured item: evaluation Wagon Cab project	Tools and equipment audit Design project - trucks and trailers	Full revision of materials covered Techniques and equipment evaluation Design ideas for Truck cab/trailer project	Test