



A-Level Overview Year 1: Product Design

Term	Theory	Key Skills / Coursework / PSAs / Deadlines
1	<ul style="list-style-type: none">• Design Theory• Materials & Applications• Performance characteristics of Materials• Design methods and processes.• Critical Analysis and Evaluation• Selecting appropriate tools, equipment and processes.	Introductory design and manufacture project using range of design skills and manufacturing techniques.
2	<ul style="list-style-type: none">• Design Communication• Performance characteristics of Materials• Design methods and processes.• Accuracy in design & Manufacture• Forming, redistribution and addition processes.• Digital design and manufacture.	Introductory design and manufacture project using range of design skills and manufacturing techniques.
3	<ul style="list-style-type: none">• Performance characteristics of Materials• Forming, redistribution and addition processes.• Design Communication• Selecting appropriate tools, equipment and processes.• Design methods and processes.	Using an 'iterative' design process. The students will develop using a cyclic process of sketching, modelling, test pieces, process trials, testing and evaluation.
4	<ul style="list-style-type: none">• Technology & Cultural changes• Responsible Design• National & International standards in Product Design• Modern & Industrial commercial practice.• Digital design and manufacture.• Design for Manufacture, maintenance, repair and disposal.	Introducing the NEA. 50% of overall A Level
5 & 6	<ul style="list-style-type: none">• The use of finishes• Performance characteristics of Materials• Modern & Industrial commercial practice.• Responsible Design• How Technology and cultural changes can impact on the work of designers.	Continuing with Section A of NEA and possible Section B.