

Autumn 1			
Mini Coursework NEA – Metal Lamps	R A G	Theory Content	R A G
NEA section A - Identifying and Investigating design possibilities - Context analysis & concept ideas - Customer profile & research		<i>T - Health and Safety</i> <i>D&M – Design brief and specifications</i> <i>T – product design and development</i> <i>D&M – design methods & processes</i>	
NEA section B - Producing a Design Brief and Specification - Design brief - ACCESSFM specification - Project management		<i>D&M – responsible design</i> <i>D&M – national & international standards.</i> <i>T – intellectual property</i> <i>T – materials and applications</i> <i>T – performance characteristics</i>	
NEA section C - Development of design proposals - Idea generation – creativity & risk		<i>T – material processes</i> <i>T – adhesives and fixings</i>	
Autumn 2			
NEA section C – Development of design proposals - Idea generation – creativity & risk - Rationale - Modelling and sampling - Idea development & iteration - Project management and manufacturing specification		<i>D&M – design methods & processes</i> <i>T- digital design and manufacture</i> <i>T – design communication</i> <i>D&M – project management</i> <i>D&M – technology & cultural impacts</i> <i>T – design for manufacture, maintenance, repair & disposal</i>	
NEA section D – Development of design prototypes		<i>D&M – selecting appropriate tools, equipment and processes</i> <i>T – modern/industrial/commercial - SoP</i>	

Spring 1			
Mini Coursework NEA	R A G	Theory Content	R A G
NEA section D – development of design prototypes - Materials and components - Complexity of challenge - Practical skill - Address design brief - Feedback, quality control, modify		<i>D&M – project management, efficiency, quality control</i> <i>D&M – accuracy in design and manufacture</i> <i>T – performance characteristics</i> <i>T – enhancement of materials</i> <i>T – finishes, adhesives and fixings</i>	
Spring 2			
NEA section D – development of design prototypes - Practical completion		<i>D&M – critical analysis and evaluation</i> <i>D&M – accuracy in design and manufacture</i> <i>T – enterprise and marketing</i>	
NEA section E – Analysing and Evaluation - Ongoing analysis - Critical analysis of final outcome - Modifications and justification		<i>T – feasibility studies</i>	

Summer 1			
Practical Skills	RAG	Theory Content	RAG
Woodwork Practical Skills - Marking out, quality control & tolerance - Joining and shaping techniques - Finishing		- All materials – production of materials, manufacturing techniques - All materials – components, stock forms, tools, uses, properties - Work of designers - Composites, smart materials and modern materials	
Summer 2			
Plastics Practical Skills - Marking out, quality control & tolerance - Joining and shaping techniques - Finishing		- Major developments in technology - Modern manufacturing systems - Socio-economic influences - Exam skills preparation	