

	AUTUMN 1	AUTUMN 2	SPRING 1	SPRING 2	SUMMER 1	SUMMER 2
YEAR 9	<p>In-depth knowledge 1: Natural and manufactured timber</p> <p>Making skills: NT phoneholder – writing a brief, specification, modelling, use of hand and machine tools (Autumn 1&2)</p>	<p>Categories of materials: Paper & Boards 3D drawing usability</p> <p>Assessment 1: Section A multiple choice, isometric drawing</p>	<p>In-depth knowledge 2: Thermo and thermosetting polymers</p> <p>Making skills: Superhero moodlight – customer needs, soldering, modelling, evaluation (Spring 1&2)</p>	<p>Sources of energy; electronic systems, environmental, social and economic, ethics</p> <p>Assessment 2: Section A multiple choice, short answer questions</p>	<p>Categories of materials: metals characteristic properties of materials</p> <p>Making skills: Jewellery box, including hand tools and pewter casting, drawing skills</p>	<p>Categories of materials: fibres & textiles sources of information and thinking</p> <p>Assessment 3: Section B style question (extended writing)</p>
YEAR 10	<p>Ergonomics & Anthropometrics New & emerging technology controlled movement</p> <p>Making skills: stationery holder from offcuts (customer need, function and using a context)</p>	<p>In-depth knowledge 1 & 2, recap, recall, processes, properties</p> <p>Assessment 4: Section B</p> <p>Processes: Vacuum forming/thermoforming, making a mould strip heater</p>	<p>NEA mock to outline portfolio expectations: context research, client questionnaire, product analysis, initial designs, design development (into Spring 2)</p>	<p>Evaluation, improvements, and feedback of NEA mock</p> <p>Assessment 5: Section A & B</p>	<p>Revision and building of Knowledge Organisers for full mock exam in Summer 2</p>	<p>1 June NEA start</p> <p>Full mock 1</p>
YEAR 11	<p>NEA Focus: Investigation of Design Context</p> <ul style="list-style-type: none"> ➤ Client research ➤ Product Analysis ➤ Product Specification <p>Question a day revision</p>	<p>NEA Focus: Design Ideas</p> <ul style="list-style-type: none"> ➤ Initial Ideas ➤ Review of concepts ➤ Model Making ➤ Design Development (including CAD) <p>Full mock 2 Question a day revision</p>	<p>NEA Focus: Development of Final Concept / Prototype</p> <ul style="list-style-type: none"> ➤ Final Design ➤ Production Planning ➤ Product Manufacture ➤ Making Log <p>Question a day revision</p>	<p>NEA Focus: Review of Project</p> <ul style="list-style-type: none"> ➤ Product Manufacture ➤ User Testing ➤ Product Evaluation <p>Question a day revision</p>	<p>NEA Focus: Final Checks / Review prior to final submission</p> <p>Revision & written exam</p>	