



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
9	<p>Topic: Focus Skill Project</p> <p>Focus project on the student specified area with design work/research to support</p> <p>Advancing practical skills</p> <p>Core Knowledge: New and Emerging Technologies</p>	<p>Topic: Focus Skill Project</p> <p>Focus project on the student specified area with design work/research to support</p> <p>Advancing practical skills</p> <p>Core Knowledge: Energy Generation</p>	<p>Topic: Mini Rotations – Core Material Knowledge</p> <p>Pupils complete 4 2 week rotations covering key material knowledge and working properties.</p> <p>Core Knowledge: Materials Categories</p>	<p>Topic: Completing Mini Rotations & Core Knowledge Testing</p> <p>End of module test</p> <p>Core Knowledge: Materials Categories</p> <p>Core Knowledge: Smart and Modern Materials</p>	<p>Topic: Multi Material Focus project</p> <p>A project which focusses on at least 2 materials from these areas: Timber/Polymers/Metals/Textile/Graphics</p> <p>Core Knowledge: Systems approach to design</p> <p>Core Knowledge: Materials Properties / Stock Forms</p>	<p>Topic: Multi Material Focus project</p> <p>A project which focusses on at least 2 materials from these areas: Timber/Polymers/Metals/Textile/Graphics</p> <p>Finish and Evaluate</p> <p>Core Knowledge: Design Movements/Designers</p> <p>Core Knowledge: Materials Properties / Stock Forms</p>
10	<p>Topic: Core knowledge and Specific area theory</p> <p>Test – Modern/Smart Materials</p> <p>Core Knowledge: Modern and Smart Materials Focus Material Area</p>	<p>Topic: Introduction and start of MockNEA (Non-Examined Assessment/Coursework)</p> <ul style="list-style-type: none"> - Research - Specification - Initial Designs <p>Core Knowledge: Energy Storage Experience of NEA and its criteria</p>	<p>Topic: Mock NEA</p> <ul style="list-style-type: none"> - Initial Designs - Development - Modelling <p>Core Knowledge: Mechanical Devices Experience of NEA and its criteria</p>	<p>Topic: Mock NEA</p> <ul style="list-style-type: none"> - Final designs - Manufacture of Prototype <p>Core Knowledge: Material Properties Experience of NEA and its criteria / Advanced Practical skills & Construction Techniques.</p>	<p>Topic: Mock NEA</p> <ul style="list-style-type: none"> - Completion of Prototype - Evaluation of final product <p>Experience of NEA and its criteria / Advanced Practical skills & Construction Techniques.</p> <p>Preparation for Year 10 Mock Exam</p>	<p>Topic: Final NEA (50% GCSE)</p> <p>Release of titles from Exam Board</p> <p>Pupils start initial research:</p> <ul style="list-style-type: none"> - Task Analysis - Primary Research - Secondary Research - Specification
11	<p>Topic: Final NEA (50% GCSE)</p> <p>Pupils continue NEA from end of Year 10.</p> <ul style="list-style-type: none"> - Initial Designs - Development - Modelling <p>NEA - Coursework Core Knowledge: Materials and their working properties(Reteach)</p>	<p>Topic: Final NEA (50% GCSE)</p> <p>Pupils continue NEA as main focus</p> <ul style="list-style-type: none"> - Final Design - Plan of Manufacture <p>Mock Exam – Full 2 hours</p> <p>Mock Exam Preparation Core Knowledge: Mechanical Devices (Reteach)</p>	<p>Topic: Final NEA (50% GCSE)</p> <p>Pupils continue NEA as main focus</p> <ul style="list-style-type: none"> - Manufacture of Final Prototype - Manufacturing Diary <p>Core Knowledge: Materials and their working properties Core Knowledge: Specialist Technical Principles (Reteach)</p>	<p>Topic: Final NEA (50% GCSE)</p> <p>Pupils finish NEA as main focus</p> <ul style="list-style-type: none"> - Manufacture of Final Prototype Complete - Testing and Evaluation - HAND IN <p>Core Knowledge: Specialist Technical Principles (Reteach)</p>	<p>Topic: Preparation for final exam</p> <p>Revision and Review of prior learning Practice Papers All Core Knowledge Areas Exam Technique</p>	<p>Topic: Final NEA (50% GCSE)</p> <p>Pupils continue NEA from end of Year 10.</p> <ul style="list-style-type: none"> - Initial Designs - Development - Modelling <p>NEA - Coursework Core Knowledge: Materials and their working properties(Reteach)</p>