

	Year 10	Year 11
September	<p>Materials working properties. Natural and Manufactured timbers</p> <ul style="list-style-type: none"> • Sources origins and properties • Working with timber based materials • Commercial manufacturing, surface treatments and finishes 	<p>New and emerging technologies</p> <ul style="list-style-type: none"> • Sustainability and the environment • Production techniques and systems
October	<p>Materials working properties. Metals and Alloys</p> <ul style="list-style-type: none"> • Sources origins and properties • Working with metal based materials and fixings • Commercial manufacturing, Surface finishes and treatments 	<p>New and emerging technologies</p> <ul style="list-style-type: none"> • Informing design decisions • People, culture and society • Industry and enterprise
November	<p>Materials working properties. Polymers</p> <ul style="list-style-type: none"> • Sources origins and properties • Working with polymer based materials and fixings • Commercial manufacturing and quality control 	<p>Specialist technical principles</p> <ul style="list-style-type: none"> • Forces and stresses on materials and objects • Improving functionality
December	<p>Papers and boards</p> <ul style="list-style-type: none"> • Uses of common papers and boards • Working with papers and boards <p>Textiles</p> <ul style="list-style-type: none"> • Sources, origins and properties 	<p>Specialist technical principles</p> <ul style="list-style-type: none"> • Ecological and social footprint • The 6Rs • Scales of production