

## Year 9 Technology Faculty Outline

Head of Department: Mr P Marsh

Email: [P.Marsh@alleynes.staffs.sch.uk](mailto:P.Marsh@alleynes.staffs.sch.uk)

Year 9 Graphics	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<p>Communication Graphics</p> <p>Typography</p> <p>The Work of Others</p>	<p>Communication Graphics</p> <p>Typography</p>	<p>Illustration/Design for Print</p>	<p>Illustration/Design for Print</p>	<p>Illustration (higher level) and Design Exploration</p>	<p>Mock Exam</p> <p>Design for Print/Packaging Design/Prototypes</p>
Year 9 DT	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	<p>Material Categories</p> <p>The names of materials and their properties</p> <p>Raw materials</p> <p>Processing involved in manufacturing materials</p> <p><b>Project 1 – Coat Hook</b></p>	<p>Project 1 – Coat Hook</p> <p>Design strategies</p> <p>Health &amp; Safety</p> <p>Sustainability forestry</p> <p>Common workshop tools &amp; machinery</p> <p>Templates and jigs</p> <p>Practical skills</p>	<p>Modern/New Materials</p> <p>Smart Materials</p> <p>Types of forces/ stresses</p> <p>Ways to reinforce materials, including; triangulation.</p> <p>Testing</p> <p><b>Project 2- Desk Tidy</b></p>	<p><b>Project 2 – Desk Tidy</b></p> <p>Communication of design ideas</p> <p>Prototype development</p> <p>Selection of materials and components</p> <p>Tools, equipment, processes</p> <p>Evaluation and Analysis</p>	<p><b>Project 3 – Cam Toy</b></p> <p>Types of motion</p> <p>Names of common mechanisms</p> <p>Names of common mechanisms and changing direction of force</p> <p>Research and investigation</p> <p>Communication of design ideas</p>	<p><b>Project 3 – Cam Toy</b></p> <p>Selection of materials and components</p> <p>Tools, equipment, processes</p> <p>CAD CAM</p> <p>Evaluation and Analysis</p> <p>Commercial Processes</p>