



Department:	Design & Technology	
Year 9 Course summary:		
<p>The Year 9 Design and Technology course provides the students with a foundation for the GCSE course. We aim to cover the Core Technical Principles content to provide students with a foundation knowledge that we then build on and revisit through years 10 and 11. In parallel with this students will complete two manufacturing projects to develop skills and practical understanding of high quality manufactured prototypes. They will also learn about rapid prototyping.</p>		
IST Assessments:		
Michaelmas	Lent	Summer
Core Technical Principles module tests	Timbers based manufacturing task	CAD/CAM manufacturing task
Topics covered:		
<p>GCSE Core Technical Principles (See student checklist)</p> <p>Iterative design process</p> <p>Product analysis</p> <p>Tools and equipment</p> <p>Measuring and marking out</p> <p>Computer Aided Design (CAD)</p> <p>Computer Aided Manufacture (CAM) – including 3D printing.</p> <p>Quality control e.g. jigs and template</p>		