

KS4 COURSE OPTIONS

Course Title	Product Design Y11
Course Description	<p><u>Explore, create, evaluate- projects</u></p> <p><u>Exam Year</u></p> <p>This year will be focussed on preparing for the exam worth 40% of the overall course. Students will complete a mixture of practical and theory lessons to help them gain the knowledge needed for the exam.</p> <p>Students will cover the following topics</p> <p>Market pull & Technology push</p> <p>Product evolution Design influences and era's Environmental issues Product life cycles Flat pack and maintenance Human factors anthropometric data CAD & CAM</p> <p>Product evolution Design influences and era's Environmental issues Product life cycles Flat pack and maintenance Human factors anthropometric data CAD & CAM</p> <p>Paper and board Timber- hardwoods/softwoods and manufactured boards Metals-ferrous/non-ferrous and alloys Plastics- thermo and thermosetting Ceramics Textiles-fibres Food Packaging Electronics and mechanisms manufacturing Production systems QC QA Communication systems Scales of production Metal processes Plastic processes Timber processes Cutting Joining Other processes mixed materials Food processes</p>

	<p>Surface finishes Printing Legislation ICT Analysis Research Ideas and models Flow charts and manufacturing plans Evaluation Health and safety Social and moral issues Creative deigning</p>
Course Content (Term 1,2,3 etc.)	2 lessons per week year 9-11
Extra-Curricular Opportunities	<p>Lunchtimes are available for additional revision work. Students have the opportunity to try different techniques that are not normally used within lessons After school once a week will be available for additional revision sessions.</p>
Useful Websites	AQA GCSE product design
Important Information	<p>Homework tasks include: Research and theory work to support class work and build resources that will be used in controlled assessment and the final exam as revision.</p>
Provision For Most Able	EBI extension objectives provided every lesson. Students are encouraged to trial out tasks independently; students who complete the making of their product early are given an independent task to create an item to demonstrate the skills they have learnt over the course. Students are encouraged to develop more challenging projects and choose their own pathway or specialism.
Assessment	Students will assessed throughout the course against GCSE criteria.