

Landau Learner Curriculum Overview

Subject: GCSE Design and Technology

Director of Learning: GM Year: 11

Curriculum organisation			
Students are taught in mixed ability for the equivalent of six single lessons per week. They follow the AQA 9-1 Design & Technology Specification			
What topics will students be studying this year? Includes links to Specification, Curriculum Intent and Prior Related Learning*			
Term 1:	Term 2:	Term 3:	Term 4:
NEA Objective 2 <ul style="list-style-type: none"> Design Brief Specification NEA Objective 3 <ul style="list-style-type: none"> Design Ideas Evaluation of ideas 	NEA Objective 4 <ul style="list-style-type: none"> Development and model making Final Design Production Planning 	NEA Objective 5 <ul style="list-style-type: none"> Manufacture 	NEA Objective 6 <ul style="list-style-type: none"> Evaluation and Testing
Design Theory and Skills <ul style="list-style-type: none"> Smart Materials Modern Materials Manufacturing Systems 	Design Theory and Skills <ul style="list-style-type: none"> Electronic Systems Health and Safety – Risk Assessments 	Design Theory and Skills <ul style="list-style-type: none"> Marking Out Tolerance Finishes 	Revision
Prior Learning: Y7,Y8 electronic product, Y9 radio project, Y10 Clothes Iron Design, Y10 Clock Design AQA 9-1: Core technical principles Intent: we encourage students to develop an iterative, hands on approach to problem solving.	Prior Learning: Y7,Y8 electronic product, Y9 radio project, Y10 Clothes Iron Design, Y10 Clock Design AQA 9-1: Specialist technical principles Intent: While making, students will be given exposure to a range of material areas	Prior Learning: Y7,Y8 electronic product, Y9 radio project, Y10 Clothes Iron Design, Y10 Clock Design AQA 9-1: Specialist technical principles Intent: While making, students will be given exposure to a range of material areas	Prior Learning: Consolidation of knowledge across all projects taught AQA 9-1: Designing and making principles Intent: each project is entrenched in technical knowledge and vocabulary
Equipment needed for sessions:		What can you do to support your child?	
<ul style="list-style-type: none"> Design sketch book A3 folder for storing larger work, technical drawings etc. Textbook Revision study guide Pencil case with basic equipment Black fine line and felt tip pen 		<ul style="list-style-type: none"> Encourage your child to practise their drawing and sketching skills regularly. Encourage your child to watch/listen to design based programmes on TV such as: How it's Made, Extreme Engineering, etc. Encourage them to read news articles on the BBC News app about design and technology articles. Encourage them to read Design books for the information centre. Encourage them to complete their NEA Project tasks to a high standard, asking them to show you the finished work. 	
How will learning be assessed and progress measured?		Extension and enrichment activities:	
<ul style="list-style-type: none"> Marking of written is carried out on a regular basis in line with the College policy 		<ul style="list-style-type: none"> Clinics will be provided two nights a week for students to get time in the workshop. 	