Subject Title:	**DESIGN AND TECHNOLOGY**
Type of Qualification:	A Level
Examination Board:	WJEC / EDUQAS
Location:	Glastry College
Subject Leader:	Mr I Breen

Entry Requirements

Students embarking on A Level Design and Technology are expected to have achieved at least a grade C in GCSE Technology and Design however preference will be given to students who have attained an A*, A or B grade.

What will I learn?

Students will develop and sustain their own innovation and creativity in Design and Technology. They will recognise constraints and to produce high quality products. They will also develop a critical understanding of the influences of processes and products and how these interact with the world around us.

They will apply essential knowledge, understanding and skills of design production processes to a range of technological activities and develop an understanding of industrial practices.

Development of work as discerning consumers, designers and customers with the ability to make informed choices, develop positive attitudes of co-operation and citizenship and work collaboratively.

What skills will I develop?

Students will develop skills in design and creativity. In addition, skills such as CAD (Computer Aided Design) and CAM (Computer Aided Manufacture) will be enhanced. General manufacturing methods will be developed from the theory knowledge gained throughout the course.

Assessment

Year 13 and 14 Product Design 50%	Year 13 / 14 – A2 Units Product Design 50%
Unit 1 – Examination	Unit 2 – Coursework (Main Project)
Learners take a single examination in product design. The examination includes a mix of structured and extended writing questions assessing knowledge and understanding of: technical principles, designing and making principles and to analyse and evaluate wider issues in design and technology.	A sustained design and make project, based on a brief developed by the candidate, assessing the candidate's ability to:

Career Progression

The course in Design and Technology could lead to Higher education courses or university in the following areas;

Engineering (Electrical /Mechanical)   Product Design   Technical Work
Research Work   Product Analysis   Teaching
Manufacturing apprenticeships   CNC Technician   Auto Engineer / Design

Quote

David – 'Studying Technology at A level has given me the skills to be confident in my ability and has opened up many areas for Higher Education and future careers. The Technology staff have been an amazing help'.

Luke – 'It was learning but fun at the same time'

Chloe – 'Being able to choose my own product to design and manufacture was hard work but so good'