

DESIGN & TECHNOLOGY

AQA

A LEVEL

Entry Requirements	Grade B in Product Design & Engineering
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Brief introduction to subject:

The specification enables learners to identify market needs and opportunities for new products, initiate and develop design solutions, and make and test prototypes. Learners should acquire subject knowledge in design and technology, including how a product can be developed through the stages of prototyping, realisation and commercial manufacture.

Progression to Career/ University Courses:

The specification has been developed for students who wish to progress to higher education or to the world of work i.e apprenticeship route, Internship at Google. Careers include: Architecture, Interior Designer, Mechanical Engineer, Games designer, Prosthetics and Orthotics design.

Key Points:

The key points of this specification are that:

- Through the assessment of their knowledge and understanding of technical principles and designing and making skills, learners will be required to demonstrate an understanding of the mathematical and scientific requirements in both theoretical and practical ways.

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<p>Component 1: Design and Technology in the 21st Century Written examination: 50% of qualification.</p> <p>Learners take a single examination in Product Design. The examination includes a mix of structured and extended writing questions assessing learners' knowledge and understanding of: technical principles, designing and making principles along with their ability to, analyse and evaluate design decisions and wider issues in design and technology.</p>	<p>Component 2: Design and make project Non-exam assessment</p> <p>A sustained design and make project, based on a brief developed by the candidate, assessing the candidate's ability to: identify, investigate and outline design possibilities, design and make prototypes, analyse and evaluate design decisions and wider issues in design and technology. The design and make project will be based within the same endorsed area as the written examination.</p>
<p><u>Assessment:</u> Externally assessed examination: 3 hours</p> <p><u>Maximum Marks available:</u> 100 marks</p> <p><u>Information regarding Assessment:</u> The paper will be a question and answer booklet and all questions in the paper are compulsory. The paper will consist of short-answer and extended-writing type</p>	<p><u>Assessment:</u> Internally assessed coursework (student's teacher) 80 hours</p> <p><u>Maximum Marks available:</u> 100 marks</p> <p><u>Information regarding Assessment:</u> All work is internally assessed and moderated externally by the exam board for standardisation.</p>