Subject: A level Design and Technology: **Product Design**	
Examination Board: AQA	**Specification code:** A Level Design and Technology: Product Design - 7552

Product Design Key Features:

• Identifying requirements

• Learning from existing products and practice

• Implications of wider issues

• Design thinking and communication

• Material considerations

• Technical understanding

• Manufacturing processes and techniques

• Viability of design solutions

• Health and safety

Assessment overview:

A non-examined **'Iterative Design Project'** is a substantial design, make and evaluate project centred on the iterative processes of explore, create and evaluate. It is worth 50% of the A Level qualification. You will be required to identify a design opportunity or problem from a context of your own choice, and create a chronological portfolio supported by real–time evidence of your project development. Innovative approaches will be required resulting in a final prototype that can be tested against the user and the market.

Written Paper Exams:

Technical Principles – 2 hours and 30 Minutes / 120 Marks / 30% of overall mark
Questions: A mixture of short answer and extended response

Designing and Making Principles – 1 hour and 30 Minutes / 80 Marks / 20% of overall mark
Questions: A mixture of short answer and extended response

Section A:

- Product Analysis: 30 marks
- Up to 6 short answer questions based on visual stimulus of product(s).

Section B:

- Commercial manufacture: 50 marks
- Mixture of short and extended response questions

What students can expect from the course:

This creative and thought-provoking qualification gives students the practical skills, theoretical knowledge and confidence to succeed in a number of careers, especially those in the creative industries. They will investigate historical, social, cultural, environmental and economic influences on design and technology. Students will study a range of materials and develop a technical understanding of how products function and are manufactured, which will support the design and manufacture of their own design solutions. They will have many opportunities to put their learning in to practice, in our well-equipped workshops, producing prototypes of their choice. Students will gain a real understanding of what it means to be a designer, alongside the knowledge and skills sought by higher education and employers.

A high level of commitment and organisation is required to study Product Design; students have to invest a significant amount of time into producing high quality work towards their NEA portfolio. Students must be self-motivated and have a mature work ethic.

Expected GCSE qualifications:	**You may consider Product Design if you:**
We recommend students have achieved a Grade 6 or above in Design and Technology or Engineering to be successful at A Level.	Have you ever wondered why some things go together and others clash?
	Have you ever wondered how a product continues to stay popular in the market place?
	Have you ever wondered why 80 percent of most products usage involves only 20 percent of its features?
	Have you ever wondered how designers can use less resources and design products to ensure a sustainable future?