Subject: A-level Design and Technology: Product Design	**Curriculum Leader:** KKA/CDN

Exam Board: AQA - Specification code: 7552

Overview:

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, whilst enjoying opportunities to put their learning in to practice by 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.

Assessment

The exams and non-exam assessment will measure how students achieve in the following assessment areas:

1. Identify, investigate and outline design possibilities to address needs and wants.
2. Design and make prototypes that are fit for purpose.
3. Analyse and evaluate design decisions and outcomes, including for prototypes made and others wider issues in design and technology.
4. Demonstrate and apply knowledge and understanding of:
   - technical principles
   - designing and making principles.

Non-exam assessment

Students must undertake a substantial design and make task and produce a final prototype based on a context and design brief developed by the student.

Paper 1	Paper 2	Non-exam assessment (NEA)
What's assessed	**What's assessed**	**What's assessed**
Technical principles	Designing and making principles	Practical application of technical principles, designing and making principles.
How it's assessed	**How it's assessed**	**How it's assessed**
• Written exam: 2 hours and 30 minutes • 120 marks • 30% of A-level	• Written exam: 1 hour and 30 minutes • 80 marks • 20% of A-level	• Substantial design and make project • 100 marks • 50% of A-level
Questions	**Questions**	**Evidence**
Mixture of short answer and extended response.	Mixture of short answer and extended response questions. **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	Written or digital design portfolio and photographic evidence of final prototype.