



**OVERVIEW**

In the Technology faculty we develop students into independent problem solvers, by teaching the students how to independently produce bespoke products in response to a given design brief. In Year 11 students will design and manufacture a product for a client of their choice from one of the design contexts shared by the exam board. Theory lessons will focus on recapping knowledge and exam preparation.

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**NEA**

- (a) Identifying and investigating design possibilities.
- (b) Developing a design brief and specification.
- (C) Generating and developing design ideas

**Theory**

- Materials - exam questions
- Smart materials, electronic systems – exam preparation

**Assessment:**

**NEA** – verbal feedback from teacher as per JCQ guidelines.

**Theory** – exam questions marked using exam board marking criteria to prepare students for the written exam.

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**NEA**

- (d) Manufacturing a prototype
- (e) Analysing and evaluating design decisions
- NEA deadline end of March 2023

**Theory**

- Technical principles, mechanical systems – exam preparation
- Timbers in depth K&U - exam preparation
- External exam will be mid to end of June 2023.

**Assessment:**

**NEA** – verbal feedback from teacher as per JCQ guidelines.

**Theory** – exam questions marked using exam board marking criteria to prepare students for the written exam.

**Useful resources for supporting your child at home:**

Excellent design sketching tutorials:

[product designer maker - YouTube](#)

Student access to Focus eLearning – direct link given to students - excellent Fusion 360 video tutorials

**Homework:**

Week 1 – exam questions – Ms Forms.

Week 2 – NEA tasks – research, sketching, modelling, client meetings.