

## A LEVEL DESIGN TECHNOLOGY – PRODUCT DESIGN

### Examining Board

Edexcel

### Link Tutor

Mrs K Parsons

### Course Content:

Component 1: Principles of Design and Technology	Component 2: Independent Design and Make Project
<ul style="list-style-type: none"><li>Written exam, externally assessed</li><li>2 hours 30 minutes</li><li>50% of qualification</li><li>120 marks</li></ul>	<ul style="list-style-type: none"><li>Non-examined assessment, internally assessed and externally moderated</li><li>50% of qualification</li><li>120 marks</li></ul>
<p>The paper includes calculations, short-open and open-response questions, as well as extended-writing questions focused on:</p> <ul style="list-style-type: none"><li>Analysis and evaluation of design decisions and outcomes, against a technical principle, for prototypes made by others</li><li>Analysis and evaluation of wider issues in design technology, including social, moral, ethical and environmental impacts.</li></ul> <ul style="list-style-type: none"><li>Students must answer all questions.</li><li>Students must have calculators and rulers in the examination</li></ul>	<p>The investigation report is internally assessed and externally moderated.</p> <ul style="list-style-type: none"><li>Students will produce a substantial design, make and evaluate project which consists of a portfolio and a prototype</li><li>The portfolio will contain approximately 40 sides of A3 paper (or electronic equivalent)</li></ul> <p>There are four parts to the assessment: Part 1: Identifying Opportunities for Design Part 2: Designing a Prototype Part 3: Making a Prototype Part 4: Evaluating own Design and Prototype</p>

### Lesson style:

Small group discussion, practical tasks.

### Time Allocation:

8 hours per cycle

### Private Study Requirement:

Ongoing research and preparation. Independent workshop practice

### Extra-Curricular Opportunities:

- Industrial visits
- Learning new skills

### Advisable for following careers:

Design, Architecture, Manufacturing, Engineering,

### Good Combination with:

Maths, Art, ICT