



## Tavistock College Sixth Form

When you sign up for a subject please note that you will be expected to study that subject for the whole two years.

There will be a formal assessment in the Autumn term, after four weeks and that is the only time when students will be allowed to swap or change subjects. After this, too much will have been missed.

<b>Subject:</b>  <b>Product Design</b>	<b>Qualification:</b>  <b>A level</b>
<b>Exam board:</b>  <b>WJEC/EDUQAS</b>	<b>Entrance criteria:</b>  <b>Grade B at GCSE (ideally Resistant Materials or Product Design)</b>
<b>Topics covered:</b>  <ol style="list-style-type: none"> <li>1. <b>Designing and innovation.</b></li> <li>2. <b>Materials and components.</b></li> <li>3. <b>Industrial and commercial practice.</b></li> <li>4. <b>Product analysis and systems.</b></li> </ol>	
<b>How the subject will be taught:</b>  <b>Component 1: Design and Technology in the 21st Century Written examination: 2.5 hours 50% of qualification.</b> <b>The examination includes a mix of short answer, structured and extended writing questions assessing learners' knowledge and understanding of: technical principles designing and making principles.</b>  <b>Component 2: Design and make task Non-exam assessment: approximately 40 hours 50% of qualification.</b> <b>A sustained design and make task, assessing candidates' ability to: identify, investigate and outline design possibilities design and make prototypes analyse and evaluate design decisions and outcomes, including for prototypes made by themselves and others.</b>	

**Expectations of students:**

**Students are expected to complete at least one hour of additional work for every lesson they have. A minimum of grade B is expected at GCSE level in order to gain entry to the a level Product Design course.**

**Summer work:**

**Investigate three SMART materials which are used in the modern world and describe how those materials are used within products. Create an image/mood board for each one with appropriate labelling, annotation and discussion.**