

## 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> Applied Science		<b>Qualification:</b> BTEC Extended Certificate	
<b>Exam board:</b> Edexcel		<b>Entrance criteria:</b> 5 in Science's including E and M	
<b>Topics covered:</b> Fundamentals in Science Monday 2 <sup>nd</sup> July P1-2 – In S1 with JST.			
<b>How the subject will be taught:</b>  4 units – 3 mandatory units and 1 optional  01 principles and application of science: - introduction to BCP at level 3 – Internal exam set by Edexcel but marked externally (90 GLH)  02 practical and scientific procedures and technique – CW (90GLH)  03 – Science and investigation skills – Marked with internal assessment (written up by collecting data then high control). Marked externally. (120 GLH)  04 – This is the optional unit either - 8. (60 GLH) to be decided by students  <ul style="list-style-type: none"> <li>• Physiology of Human Body Systems</li> <li>• Human Regulation and Reproduction 60</li> <li>• Biological Molecules and Metabolic Pathways</li> <li>• Genetics and Genetic Engineering</li> <li>• Diseases and Infections</li> </ul>			
<b>Expectations of students:</b> To explain course in detail with assignment dates and resubmission dates. Complete a standard solution (NaOH or Na <sub>2</sub> CO <sub>3</sub> ) accurately and safely Complete an accurate titration against HCl Write up results, graph, and analysis with molarity calculations.			

**Summer work:**

Complete the full taster assignment brief

Complete all bridging the gap questions from Biology Chemistry and Physics in the booklet.