

Subject: BTEC Applied Science

Year 12	Year 13
<p>Principles and Applications of Science: This unit covers some of the key concepts in biology, chemistry and physics. The topic areas covered in this unit include animal and plant cells; tissues; atomic structure and bonding; chemical and physical properties of substances related to their uses; waves and their application in communications</p>	<p>Science Investigation Skills: This unit is about developing the essential skills underpinning practical scientific investigations.</p>
<p>Practical Scientific Procedures and Techniques: This unit introduces you to standard laboratory equipment and techniques, including titration, colorimetry, calorimetry, chromatography, calibration procedures and laboratory safety.</p>	<p>Optional Unit – Currently Electrical Circuits and their Application: Here students explore what electricity is, how to use measuring devices and how to construct circuits. They also gain an understanding of the many varied applications of electricity in our everyday lives.</p>