

<b>Subject:</b> Science	<b>Year Groups:</b> 7 - 11
<b>Subject Leader:</b> D. Wharton	<b>Grouping Policy:</b> Mixed ability
<b>Number of lessons per week:</b> 1	<b>Assessment:</b> Alfie software and teacher assessment
<p><b>Course Content:</b></p> <p>Science is one of the core subjects taught in mainstream education and so at Bradford Central PRU we recognise the importance of delivering a science curriculum which mirrors the content taught in mainstream schools. Students may be taught the topics listed below which cover the three main areas of science: Biology, Chemistry and Physics.</p> <p><b>Biology</b></p> <p>Photosynthesis Organs and Systems of the Human Body Effects of Sugar and Caffeine on the Body.</p> <p><b>Chemistry</b></p> <p>Acids and Alkalis Periodic Table Solids Liquids Gases</p> <p><b>Physics</b></p> <p>Sound Solar System Circuits</p> <p>As well as teaching these topics, we recognise that students, when they return to mainstream education, will be faced with the challenge of science investigations and coursework. Therefore, we aim to incorporate in our lessons as much investigative work as possible to maximise the improvement of our student's abilities in this area. For example, students will have the opportunity to take part in some of the following investigations:</p> <p><b>Acids and Alkalis</b> – Which every day substances are Alkali and which are Acidic?  <b>Combustion</b> – Does the size of a jar affect how long a candle will burn?  <b>Forces</b> – Does the length of a helicopter wing affect the speed of its decent?  <b>Surface Area and Temperature</b> – How does temperature and surface area affect the speed of a reaction?</p>	