

Subject: Mathematics	Year Groups: 7 - 11
Subject Leader: D. Wharton	Grouping Policy: Mixed ability
Number of lessons per week: 5	Assessment: Alfie software and teacher assessment
<p>Course Content:</p> <p>The mathematics curriculum at BCPRU allows pupils to access each of twelve topics that are delivered to whole class groups. Lessons are tailored to cater for individuals needs and pupils move rapidly through the content ensuring good progress is made. The twelve units of work consist of:</p> <ol style="list-style-type: none"> 1. Negative numbers 2. Decimals 3. Angles 4. Area and Perimeter 5. Data handling 6. Shape 7. Probability 8. Algebra 9. Speed 10. Number sequences 11. Fractions 12. Percentages <p>Each of the units are constructed to be engaging and motivating providing kinaesthetic learning wherever possible. By providing lots of practical application of key skills the pupils are able to embed their learning. In addition, the topics are up to date with the curriculum followed in the mainstream setting and strongly reflect what the pupils have been taught prior to arriving at the unit. More importantly, teaching them in line with the current curriculum supports their return to school or to other educational settings.</p> <p>As well as teaching the topics outlined above, we give pupils the opportunity to apply their maths skills by completing investigations. These include:</p> <ol style="list-style-type: none"> 1. Lines, Cross Overs and Regions 2. Used Car Sales 3. Factors, Multiples and Prime numbers <p>Pupils really enjoy the chance to investigate maths during their time at BCPRU and develop good thinking skills as a result. Opportunities are also given to improve communication skills whilst allowing collaborative working.</p> <p>Whilst at BCPRU, pupils are assessed continually in maths using a combination of teacher, self and peer-assessment. Within each unit taught, pupils are given application questions which allows them to apply their learning to GCSE style questions.</p>	