

Key Stage 4					
Subject – Including qualification	Subject Aims	Topics Covered / Skills Developed	Assessment	Independent Study Advice	External Links
Maths (GCSE (9-1) Foundation)	<p>Develop fluent knowledge, skills and understanding of mathematical methods and concepts</p> <p>Acquire, select and apply mathematical techniques to solve problems</p> <p>Reason mathematically, make deductions and inferences, and draw conclusions</p> <p>Comprehend, interpret and communicate mathematical information in a variety of forms appropriate to the information and context.</p>	<p>Review and analysis of Year 9 which includes:</p> <p>Reading mathematical problems in context (School Priority)</p> <p>Basic Number Operations</p> <p>Algebra</p> <p>Graphs, Tables and Charts</p> <p>Fractions and Percentages</p> <p>Equations and Sequences</p> <p>Angles</p> <p>Averages</p> <p>Year 10 and 11</p> <p>Graphs</p> <p>Transformations</p> <p>Ratio and Proportion</p> <p>Right Angled Triangles and Theories</p> <p>Probability</p> <p>Multiplicative Reasoning</p> <p>Constructions, Loci and Bearings</p> <p>Perimeter, Area and Volume</p> <p>Fractions, Indices and Standard Form</p>	<p>Baseline assessments using a full series (3 GCSE Papers) at the beginning of Year 10 and Year 11.</p> <p>Sample assessment material used continuously throughout Years 10 and 11.</p> <p>Teacher and self-assessment</p> <p>Topic assessment through online platform – Learning By Questions and resource form Corbett Maths.</p> <p>Mock Exams for Year 11 students for environment familiarisation and well-being</p> <p>Final Exam:</p>	<p>Students provided with GCSE (9-1) CGP Workbooks for revision</p>	<p>Pearson (Edexcel) GCSE Maths</p> <p>Learning By Questions</p> <p>Corbett Maths</p>

		Congruences, Similarity and Vectors	Paper based: 1 Non-Calculator and 2 Calculator Papers		
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Functional Skills Maths	<p>Reading Mathematical problems in context (School Priority)</p> <p>Analyse Mathematical information needs to be identified and analysed for students to extract what particular mathematics is needed.</p> <p>Interpret Students will use recall to work with the identified skills and knowledge. Using mastery methods to construct accurate calculations.</p> <p>Justify Students have performed accurate calculations, and provided a rationale into why they have chosen the maths, and why their answer is recorded</p>	<ul style="list-style-type: none"> • Number • Measure and Shape • Handling Data • Problem Solving (Since the 2019 Reform of the Functional Skills Qualification) 	<p>Initial Assessment using sample assessment material from Pearson (Edexcel)</p> <p>Paper based exams 1 Non-Calculator 1 Calculator at all levels.</p> <p>(Option for computer based exams at Level 1 and Level 2)</p>	<p>Students to identify maths they use in their everyday lives and link their experiences to the classroom – expanding and developing their skills base. Students are also to develop skills in showing all their working out which can make the difference between grades. Qualifications are sat when students are emotionally mature. Level 1 and Level 2 qualifications are weighted against GCSE and some colleges for progression purposes, prefer the addition of Functional Skills qualifications</p>	<p>Entry Level 1 - Entry Level 3 Functional Skills Maths Specification</p> <p>Level 1 and Level 2 Functional Skills Maths Specification</p>
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