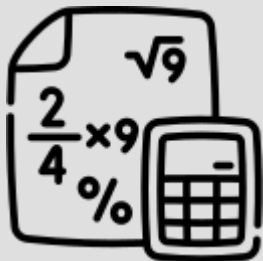


## Year 11 Foundation Mathematics



**Summer Term 2**  
Exams

**Summer term 1**  
Specialised SOL + Exams

**Spring Term 2**  
Specialised SOL

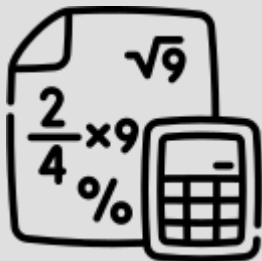
**Spring Term 1**  
Pythagoras, Trigonometry and  
Mock exams 2

**Autumn Term 2**  
Mock exams 1, Compound  
measures, Solving equations and  
Inequalities

**Autumn Term 1**  
Mensuration, Probability,  
Transformations



## Year 11 Higher Mathematics



**Summer Term 2**  
Exams

**Summer Term 1**  
Specialised SOL and Exams

**Spring Term 2**  
Specialised SOL

**Spring Term 1**  
Functions, Inequalities, iteration,  
vectors and mock exams 2

**Autumn Term 2**  
Mock exams 1, Mensuration and  
Algebraic proof

**Autumn Term 1**  
Trigonometric Reasoning,  
Algebraic Fractions, Probability



Knowledge	Attributes / Character	Skills	Experiences
<ul style="list-style-type: none"> <li>● Surds</li> <li>● Pythagoras Theorem</li> <li>● Trigonometry</li> <li>● Probability</li> <li>● Compound Measures</li> <li>● Perimeter, Area and Volumes</li> <li>● Transformations</li> <li>● Vectors</li> <li>● Proof</li> </ul>	<ul style="list-style-type: none"> <li>● Confidence - Maths is a network of linked ideas. Students can connect mathematical thinking to what they already know and understand, in order to build their confidence in solving mathematical problems.</li> <li>● Organisation - The use of routines is important in mathematics, students will spend time recalling what they already know in order to access new learning. Homework is given regularly to support learning.</li> <li>● Resilience - Maths makes sense and is worth spending time on. Students will become better at it by preserving and practising</li> <li>● Empathy - students are encouraged to work in peers and support each other when they are stuck</li> </ul>	<ul style="list-style-type: none"> <li>● Numeracy</li> <li>● Analysis - to be able to identify the appropriate mathematical skills needed in each question</li> <li>● Application of mathematical processes in problem-solving situations</li> <li>● Communicate mathematically, by showing the steps needed to solve a problem.</li> </ul>	<ul style="list-style-type: none"> <li>● Mathematical Literacy (using the language of Maths)</li> <li>● Using real world examples</li> <li>● Links to careers</li> <li>● Maths Clinic</li> </ul>