

Mathematics and Statistics

Within Year 10 students will be consolidating and extending previous knowledge from KS3. Students will be following a foundation or higher GCSE course. The topics they will cover are below:

	Foundation	Higher
Year 10 HT1	<ul style="list-style-type: none"> •Calculations •Rounding and place value •Algebraic manipulation •Substitution* 	<ul style="list-style-type: none"> •Calculations •Algebraic manipulation •Substitution
Year 10 HT2	<ul style="list-style-type: none"> •Fractions •Indices 	<ul style="list-style-type: none"> •Functions •Fractions •Indices, roots and surds*
Year 10 HT3	<ul style="list-style-type: none"> •Factors, multiples and primes •Probability 	<ul style="list-style-type: none"> •Probability
Year 10 HT4	<ul style="list-style-type: none"> •Ratio and proportion •Percentages 	<ul style="list-style-type: none"> •Ratio and proportion •Percentages •Angles*
Year 10 HT5	<ul style="list-style-type: none"> •Angles •Equations and inequalities 	<ul style="list-style-type: none"> •Angles - this will include Pythagoras, Trigonometry, advanced Trigonometry and circle theorems. •Equations and inequalities*
Year 10 HT6	<ul style="list-style-type: none"> •Representing data 	<ul style="list-style-type: none"> •Compound measures

Within Year 11 students will be consolidating and extending previous knowledge from KS3 and Year 10. Students will be following a foundation or higher GCSE course. The topics they will cover are below:

	Foundation	Higher
Year 11 HT1	<ul style="list-style-type: none"> •Algebraic manipulation and equations recap •Area and volume 	<ul style="list-style-type: none"> •Similar shapes •Representing data •Sequences and graphs *
Year 11 HT2	<ul style="list-style-type: none"> •Calculations •<u>PPE REVISION AND EXAMS</u> •Construction 	<ul style="list-style-type: none"> •<u>PPE REVISION AND EXAMS</u> •Construction and loci
Year 11 HT3	<ul style="list-style-type: none"> •Transformations •Speed distance time. •Averages 	<ul style="list-style-type: none"> •Vectors and transformations •Averages
Year 11 HT4	<ul style="list-style-type: none"> •Maps and scales •<u>PPE 2</u> •<u>Personalised gap filling Revision</u> 	<ul style="list-style-type: none"> •Sampling •<u>PPE 2</u> •<u>Personalised gap filling Revision</u>
Year 11 HT5	<ul style="list-style-type: none"> •<u>Personalised gap filling Revision</u> 	<ul style="list-style-type: none"> •Calculation of bounds •<u>Personalised gap filling Revision</u>