

Year 10 Curriculum Overview 2017-2018

Subject: Mathematics Higher Level



Term		Content	Assessment
Autumn Term	Half Term 1	Pupils will complete: <ul style="list-style-type: none"> • Calculations, checking and rounding • Indices, roots, reciprocals and Bodmas/Bidmas • Factors multiples, primes, standard form and surds • Basic Algebra review basics, set up rearrange and solve equations • Sequences 	Regular assessments every 2 weeks
	Half Term 2	Pupils will complete: <ul style="list-style-type: none"> • Averages and range • Represent and interpret data • Fractions and percentages • Ratio and proportion 	Regular assessments every 2 weeks End of Term Assessment
Spring Term	Half Term 3	Pupils will complete: <ul style="list-style-type: none"> • Polygons angles and parallel lines • Pythagoras and trigonometry (right angled triangles) • Real life graphs, line graphs and coordinate geometry 	Regular assessments every 2 weeks
	Half Term 4	Pupils will complete: <ul style="list-style-type: none"> • Quadratic and cubic graphs • Perimeter area and circles • Volume of prisms, cones and spheres • Accuracy and bounds 	Regular assessments every 2 weeks End of Term Assessment on all work in Terms 1,2,3,4
Summer Term	Half Term 5	Pupils will complete: <ul style="list-style-type: none"> • Probability • Multiplicative reasoning • Similarity and congruence in 2d and 3d 	Regular assessments every 2 weeks
	Half Term 6	Pupils will complete: <ul style="list-style-type: none"> • Graphs of trigonometrical functions • Advanced trigonometry • Cumulative frequency and box plots. 	Regular assessments every 2 weeks End of Year 10 Mock Examination