

Key Stage 3 Curriculum – Year 9 Maths

Terms 1	Graphs and Proportion <ul style="list-style-type: none"> ▪ Cartesian coordinates ▪ Linear graphs ▪ Direct and inverse proportion ▪ Calculating with scales ▪ Standard form 	Throughout Year 9 <ul style="list-style-type: none"> ▪ Approximation and significant figures ▪ Four operations with whole numbers, fractions and decimals ▪ Percentage increase and decrease, finding the whole given the part and the percentage
Term 2	Algebraic Expressions <ul style="list-style-type: none"> ▪ Sequences including arithmetic and geometric ▪ Algebraic manipulation ▪ Change the subject of a formula ▪ Expansion ▪ Factorisation 	
Term 3	2D Geometry <ul style="list-style-type: none"> ▪ Construction and loci ▪ Triangles and quadrilaterals (angles on diagonals) ▪ Congruence and similarity ▪ Angles in polygons 	
Term 4	Equations and Inequalities <ul style="list-style-type: none"> ▪ Constructing and solving equations and inequalities ▪ Graphical solutions to simultaneous linear equations ▪ Quadratic and other graphs 	
Term 5	Geometry <ul style="list-style-type: none"> ▪ Pythagoras' theorem ▪ Exploring trigonometry with a 30/60/90 triangle ▪ Transformations (translation, rotation, reflection) ▪ Use known angle and shape facts to obtain simple proofs 	
Term 6	Statistics <ul style="list-style-type: none"> ▪ Probability ▪ Mean of grouped data ▪ Comparing two data sets ▪ Stem-and-leaf diagrams ▪ Scatter graphs 	

Recommended Resources:

- Pen, pencil, and ruler
- Protractor and a compass
- Calculator

How you can help:

- Encourage your child to practise maths every day at home
- Take an interest in your child's work in maths by checking their homework is done promptly and to a good standard