

Year 9 Mathematics

Subject Title	Mathematics
Setting information	Two parallel sides of the year, six sets on each side
Time allowed	8 lessons per fortnight
Homework information	Set once per week. These will be a variety of consolidating skills learnt in class and also retrieval practice of skills already learnt.

Term	Topics	Skills	Assessment
1	Percentages Equations and Formulae	<ul style="list-style-type: none"> • Simple interest • Using percentages • Brackets and equations 	Assessments occur every two consecutive skill blocks.
2	Polygons Using data Applications of graphs Pythagoras' Theorem	<ul style="list-style-type: none"> • Interior and exterior angles • Correlation and statistical diagrams • Interpreting graphs • Introduction and problem-solving 	Assessments occur every two consecutive skill blocks. End of Autumn Term assessment.
3	Fractions Algebra Decimal numbers	<ul style="list-style-type: none"> • Adding, subtracting, multiplying and dividing fractions • Expanding and factorising expressions • Powers of 10 and Standard Index Form 	Assessments occur every two consecutive skill blocks.

4	Surface Area and Volume Solving equations graphically	<ul style="list-style-type: none"> • Calculations for a variety of 2D and 3D shapes. • Graphs from equations in the form $ay \pm bx = c$ 	Assessments occur every two consecutive skill blocks.
5	GCSE syllabus: Basic number Statistics	<ul style="list-style-type: none"> • Place value • The four rules • Statistical diagrams • Frequency tables 	Yr 9 exams after Easter holidays.
6	Angles Venn diagrams Integers	<ul style="list-style-type: none"> • Angle facts in lines, triangles and polygons • Mutually exclusive events • Probability 	Assessments occur every two consecutive skill blocks.
Links to websites and revision materials:		www.mymaths.co.uk www.collinsconnect.co.uk www.nrich.maths.org	