

Year 9 Foundation Tier Curriculum Content

Year 9 students will study the following units during the course of the year

Autumn Term

Unit 1 - AB (Number properties)

Integers, Place value, BIDMAS,
Rounding, Decimals Calculations and Estimation

Tri-Weekly on Unit 1 - AB

Unit 1 - CD (Indices, Surds)

Unit 7 - Bounds

Indices, Powers and Roots, Factors, Multiples and Primes

Tri- Weekly on Unit 1- CD and Unit 7

Unit 4 - Ratio

Unit 11 - Proportion

Understanding Ratio

Direct Proportion and Inverse Proportion

Tri- Weekly on Units 4 and 11

Unit 7 and 12 - Shapes

Perimeter, Area, Volume
Similar shapes

Key Assessment on Units 1, 4, 7, 11 and 12

Spring Term

MID-YEAR EXAM

Unit 2a and 2b- Algebra

Unit 9 - Simultaneous equations

Simplifying, Expanding, Factorising and Solving
Solving simultaneous equations with 2 unknowns

Tri-Weekly on Units 2 and 9

Unit 2b- Rearranging formulae

Unit 6b - Graphs

Unit 9b - Inequalities

Changing the subject of the formulae and equations
Drawing straight-line graphs
Solving inequalities

Tri- Weekly on Units 2, 6 and 9

Unit 5 - Pythagoras Theorem

Unit 5- Trigonometry

Unit 17 – Circles

Calculating missing sides in right-angled triangles
Calculating missing sides and angles (SOHCAHTOA)
Perimeter and Area

Key Assessment on Units 2, 5, 6, 9, 13 and 16

Summer Term

Unit 11 - Compound measures

Unit 8 - Construction and Loci

Using SDT, MDV, FPA triangles

Constructions using a compass, protractor and regions

Tri-Weekly on Unit 8 and 11

Unit 7 - Circles

Unit 3 -Displaying data

Unit 8 - Transformations

Calculating arc length and sector area

Two-way tables and others

Recap four types of transformations including Reflection,
Rotation, Enlargement and Translation

Tri- Weekly on Units 3, 7 and 8

Unit 3 - Averages

Unit 10 - Probability

Calculating averages and range from tables

Calculating probabilities from sample space and tree
diagrams

Key Assessment on Units 3, 7, 8, 10 and 11