

Mathematics (Year 8)



The identified key concepts are taught for depth both at procedural knowledge level but more importantly the application of these key skills

Term 3

Formal assessment 2 feedback will be given and supported through bespoke intervention post assessment and inform further retrieval opportunities.

Class work will be supported throughout by homework tasks, targeting both current topics being studied and retrieval opportunities from Year 7.

Data Handling & Measures of Location

Presenting data; using averages, extending with frequency tables

Line Symmetry & Reflection

Area of Trapezia & Circles

Assessment 2

Angles in Parallel Lines & Polygons

Misconceptions from assessment 1 will inform part of retrieval work to further strengthen knowledge and skills

Blocks studied in Year 8 are the key concepts identified for a smooth key stage transition as we prepare for GCSE, as well as building upon the knowledge developed in Year 7.

Term 2

Assessment 1

Brackets, Equations & Inequalities

Single and double brackets; unknowns on both sides

Sequences

including finding nth term for linear sequences

Indices

including addition and subtraction laws

Fractions & Percentages

Multipliers, percentage profit/loss

Standard Index Form

Formal assessment 1 feedback will be given and supported through bespoke intervention post assessment.

Flashback opportunities will further support the development of students' literacy base.

Tables & Probability

Sample spaces and Venn diagrams

Representing Data

Scatter graphs; frequency tables; two-way tables

Working in the Cartesian Plane

Coordinates and equations of lines

Multiplying & Dividing Fractions

Multiplicative Change

Direct proportion, similarity and scale diagrams

Ratio & Scale

Solving ratio problems and ratios in circles

At the end of each block, students will complete a summative assessment to check knowledge and understanding, with the teacher providing opportunities to secure knowledge and understanding following these assessments.

Term 1

Flashback opportunities will inform part of retrieval work to further strengthen procedural knowledge base from Year 7.