

Mathematics (Year 7)



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.

Prime Numbers & Proof

HCF/LCM, Product of Prime Factors; using counterexamples

Sets & Probability

including Venn Diagrams, Sample Spaces

Assessment 2

Developing Geometric Reasoning

Angle facts, Polygons and Parallel Lines

Constructing, Measuring & Geometric Notation

Angles; Pie Charts; Using compasses

Addition & Subtraction of Fractions

including Mixed Numbers

Term 2

Blocks studied in Year 7 are the key concepts identified for a smooth key stage transition as we prepare for GCSE.

Assessment 1

Solving Addition & Subtraction Problems

Perimeter; frequency trees; bar graphs; two-way tables

Solving Multiplication & Division Problems

Mean; area; order of operations; metric conversions

Fractions & Percentages of Amounts

Directed Number

Four operations; substitution; solving two-step equations

Term 1

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.

Fraction, Decimal & Percentage Equivalence

Place Value & Ordering

Comparing integers and decimals; rounding

Equality & Equivalence

Simplifying expressions and solving one-step equations

Algebraic Notation

Function machines and understanding expressions

Sequences

Continuing linear and non-linear sequences

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.

Flashback opportunities will inform part of retrieval work to further strengthen procedural knowledge base from KS2.