

# Mathematics

## Curriculum Map 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.

Sets & Probability  
including Venn  
Diagrams, Sample  
Spaces

Developing Geometric  
Reasoning  
Angle facts, Polygons  
and Parallel Lines

Assessment 2

Constructing, Measuring  
& Geometric Notation  
Angles;  
Pie Charts; Using  
compasses

Prime Numbers & Proof  
HCF/LCM, Product of  
Prime Factors; using  
counterexamples

Fractions &  
Percentages of  
Amounts

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

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

Equality & Equivalence  
Simplifying expressions  
and solving one-step  
equations

Sequences  
Continuing linear and  
non-linear sequences

Fraction, Decimal &  
Percentage  
Equivalence

Addition & Subtraction  
of Fractions  
including Mixed  
Numbers

Assessment 1

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

### Term 2

Baseline  
Assessment

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

Algebraic Notation  
Function machines  
and understanding  
expressions

Directed Number  
Four operations;  
substitution; solving  
two-step equations

Solving Multiplication  
& Division Problems  
Mean; area; order of  
operations; metric  
conversions

Solving Addition &  
Subtraction Problems  
Perimeter; frequency  
trees; bar graphs; two-  
way tables

Place Value & Ordering  
Comparing integers  
and decimals;  
rounding

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 KS2