

KS3 Curriculum Overview 2024-25

Subject: MATHS

Rationale of KS3 Curriculum:

- ✓ Essential prerequisite knowledge covered to enable students to access future topics.
- ✓ Build on prior knowledge and attainment allowing students to continue to make rapid progress.
- ✓ DO NOWs consolidate previous skills taught and are recapped using the memory model.
- ✓ Curriculum is sequenced to allow progression and for skills to be constantly revisited.
- ✓ Topics follow a logical progression and are woven into a cumulative curriculum where skills are built up throughout the year, this supports all students including these with SEND.
- ✓ The structure of the lessons allows students to access problem solving and reasoning.
- ✓ Planned cultural capital: Using Mathematical skills in real life contexts linked to careers and problem solving.

Sequence of Learning:

KS3	Term 1	Term 2	Term 3
Year 7	Place Value Rounding Addition and Subtraction Multiplication and Division Negative Numbers Order of Operations Expressions Substitution Solving Equations Time Measures	2D Shapes Perimeter Area Co-ordinates Factors and Multiples Primes Writing and Comparing Fractions Adding and Subtracting Fractions Single Brackets	Drawing and Measuring Angles Angles Averages and Range Tables and Charts Collecting and Presenting Data Proportion Multiplying and Dividing Fractions Fractions of an Amount FDP Theoretical Probability
Year 8	Percentage of Amounts Percentage Change Money Index Laws Solving Equations Sequences Ratio Scale Diagrams	Rounding Significant Figures Coordinates and Midpoints Area and Units Circles – Area and Circumference Standard Form Venn Diagrams Factors, Multiples and Primes Nets Surface Area Volume	Linear Graphs Transformations Angles Statistical Diagrams Inequalities Double Brackets Fractions with Algebra Recurring Decimals
Year 9	Pie Charts Interpreting Statistical Diagrams Inequalities Expanding Double Brackets Algebraic Fractions Recurring Decimals Quadratic Equations Probability Standard Form Quadratic Equations	Bisectors Arcs and Sectors Cylinders Error Intervals Pythagoras Ratio Linear Graphs Distance Time Graphs Quadratic Graphs Angles	Angles Bearings Transformations Similarity Congruence Handling Data Statistical Diagrams Column Vectors