

Year 7 Mathematics Overview (Sets: AD,AE,BD)

Autumn 1

Number Laws: using the Commutative, Associative and Distributive laws

Numbers and the Number System: place value, negative numbers, multiples, factors and prime numbers

Calculating: problems based on the four operations

Autumn 2

Division: problems using short and long division

Visualising and Constructing: properties of 3D shapes

Investigating Properties of Shapes: geometric notation and angles

Spring 1

Algebraic Proficiency: Using and forming formulae

Exploring Fractions, Decimals and Percentages

Proportional Reasoning: ratio, scale drawing and enlargement

Pattern Sniffing: sequences

Spring 2

Measuring Space: investigating standard units of measurement (length, capacity, mass, money, time)

Investigating Angles: calculating angles using angle facts

Calculating Fractions, Decimals and Percentages

Solving Equations and Inequalities

Summer 1

Calculating Space: length, area and volume of 2D and 3D shapes

Checking, Approximation and Estimation

Mathematical Movement: transformations of shapes on a coordinate grid

Presentation of Data: construct pie charts and other charts and graphs

Summer 2

Measuring Data: averages and the range

End of year assessments

Code Breaking