

Year 7 Curriculum 2020 - 2021

Unit 1 - Analysing and Displaying Data

- Mode, median and range
- Displaying data
- Grouping data
- Averages and comparing data
- Line graphs and more bar charts

Unit 2 - Number Skills

- Mental Maths
- Addition and Subtraction
- Multiplication
- Division
- Money and Time
- Negative Numbers
- Factors, Multiples and Primes
- Square Numbers

Unit 3 - Expressions, Functions and Formulae

- Functions
- Simplifying Expressions 1
- Simplifying expressions 2
- Writing Expressions
- Substituting into Formulae
- Writing Formulae

Unit 4 - Decimals and Measures

- Decimals and Rounding
- Length, Mass, and Capacity
- Scales and Measures
- Working with Decimals Mentally
- Working with Decimals
- Perimeter
- Area
- More Units of Measure

Unit 5 - Fractions and Percentages

- Comparing Fractions
- Simplifying Fractions
- Working with Fractions
- Fractions and Decimals
- Understanding Percentages
- Percentages of Amounts

Unit 6 - Probability

- The language of Probability
- Calculating Probability
- More Probability Calculations
- Experimental Probability
- Expected Outcomes

Unit 7 - Ratio and Proportion

- Direct Proportion
- Writing Ratios
- Using Ratios
- Ratios, Proportions and Fractions
- Proportions and Percentages

Unit 8 - Lines and Angles

- Measuring and Drawing Angles
- Lines, Angles and Triangles
- Drawing Triangles Accurately
- Calculating Angles
- Angles in a Triangle
- Quadrilaterals

Unit 9 - Sequences and Graphs

- Sequences
- Pattern Sequences
- Coordinates and Midpoints
- Extending Sequences
- Straight-line Graphs
- Position-to-term Rules

Unit 10 - Transformations

- Congruency and Enlargements
- Symmetry
- Reflection
- Rotation
- Translations and Combined Transformations