

**Unit 1 – Number**

- 1.2 Place value and estimating
- 1.3 HCF and LCM
- 1.4 Calculating with powers (indices)
- 1.5 Zero, negative and fractional indices
- 1.6 Powers of 10 and standard form
- 1.7 Surds

**Unit 2 – Algebra**

- 2.1 Algebraic indices
- 2.2 Expanding and factorising
- 2.3 Equations
- 2.4 Formulae
- 2.5 Linear sequences
- 2.6 Non-linear sequences
- 2.7 More expanding and factorising

**Unit 3 - Interpreting and representing data**

- 3.1 Statistical diagrams 1
- 3.2 Time series
- 3.3 Scatter graphs
- 3.4 Line of best fit
- 3.5 Averages and range
- 3.6 Statistical diagrams 2

**Unit 4 – Fractions, ratio and percentages.**

- 4.1 Fractions

- 4.2 Ratios
- 4.3 Ratio and proportion
- 4.4 Percentages
- 4.5 Fractions, decimals and percentages

## Unit 5 - Angles and trigonometry

- 5.1 Angle properties of triangles and quadrilaterals
- 5.2 Interior angles of a polygon
- 5.3 Exterior angles of a polygon
- 5.4 Pythagoras' theorem 1
- 5.5 Pythagoras' theorem 2
- 5.6 Trigonometry 1
- 5.7 Trigonometry 2

## Unit 6 - Graphs

- 6.1 Linear graphs
- 6.2 More linear graphs
- 6.3 Graphing rates of change
- 6.4 Real-life graphs
- 6.5 Line segments

## Unit 7 – Area and volume

- 7.1 Perimeter and area
- 7.2 Units and accuracy
- 7.3 Prisms
  
- 7.4 Circles
- 7.5 Sectors of circles
- 7.6 Cylinders and spheres
- 7.7 Pyramids and cones

## Unit 8 – Transformations and constructions

- 8.1 3D solids
- 8.2 Reflection and rotation
- 8.3 Enlargement
- 8.4 Transformations and combinations of transformations

## Unit 9 – Equations and Inequalities

- 9.4 Solving simple simultaneous equations
- 9.5 More simultaneous equations

## Unit 10 – Probability

- 10.1 Combined events
- 10.2 Mutually exclusive events
- 10.3 Experimental probability
- 10.4 Independent events and tree diagrams

## Unit 15 – Equations and graphs

- 15.1 Solving simultaneous equations graphically

**Note :**

***All the work done in note book and worksheets.***