



**MATHEMATICS – YEAR 7**

**1. Number work**

- Factors, multiples
- Prime factorization
- All four operations
- Fractions
  - ✓ Equivalent fractions
  - ✓ Addition, subtraction & multiplication
  - ✓ Fractions of an amount
- Decimals
  - ✓ Decimal place values
  - ✓ Addition, subtraction & multiplication
- Percentages
  - ✓ Percentages of an amount
  - ✓ Conversion between fraction, decimals & percentages
- Ratio and proportion
- Word problems on all the above topics

**Algebra:**

- Mapping and expressions
- Solving simple linear equations
- Substituting values
- Plotting coordinates in all four quadrants

**Statistics:**

- Probability
- Mean, median, mode, range from a raw data
- Pictogram
- Tally chart
- Bar graph
- Line graph
- Pie chart

## **Shape:**

- Properties of some 2D and 3D shapes
- Nets of 3 D shape
- Reflection
- Translation

## **Geometry:**

- Lines
- Angles
- Angle facts
- Construction of triangles
  - Area - squares, rectangles, compound shapes, triangles
- Perimeter - all polygons and compound shapes