



Cardinal Hume Catholic School

Department of Mathematics



Key Stage 4 Foundation

Year 10

- Integers and place value
- Decimals and rounding
- Indices, powers, roots, and priority of operations
- Factors, multiples, and primes
- Basics of algebra
- Expressions and substitution
- Tables charts and graphs
- Handling data and pie charts
- Fractions, decimals, and percentages
- Equations and inequalities
- Ratio

Assessment Point 1

- Percentages
- Sequences
- Shapes, parallel lines and angles
- Transformations
- Sampling and averages
- Perimeter, area and volume

Assessment Point 2

Year 11

- Algebra review
- Straight line graphs
- Pythagoras
- Probability
- Multiplicative reasoning
- Quadratic equations: graphs
- Quadratic equations
- Fractions and reciprocals

Assessment Point 1

- Trigonometry
- Proportion
- Sectors, cylinders, cones, and spheres

- Simultaneous equations
- Angles in polygons
- Charts and scatter graphs
- Similarity and congruence in 2D
- Algebra and graphs
- 3D shapes: plans and elevations
- Constructions and loci
- Vectors

Assessment Point 2 occurs in March of year 11