



Maths Curriculum Key Stage 3

Intent:

To develop our students to become fluent in the fundamentals of Mathematics, reason mathematically and solve problems by applying mathematics.

Mathematics education at Christ the King College aims to provide students with a foundation for understanding the world, the ability to reason mathematically, an appreciation of the beauty and power of Mathematics and a sense of enjoyment and curiosity about the subject. Mathematics is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment

Curriculum Outline Key Stage 3

Year 7

- Number – Sequences, Operations, Rounding, Factors, Multiples, Fractions, Percentages
- Algebra – Terms, Substitution, Equations, Inequalities, Equation of a straight line
- Geometry and Measures – Transformations, Angle Facts, Area, Volume
- Ratio and Proportion – Ratio, Proportion, Compound Units
- Probability – Probability Scale
- Statistics – Averages, Frequency Tables, Statistical diagrams, Comparing Distributions

Year 8

- Number – Negative Numbers, Standard Form, Sequences, Fractions, Decimals, Percentages
- Algebra – Factorisation, Indices, Equations, Inequalities, Equation of a straight line
- Geometry and Measures – Plans and elevations, Constructions, Circles, Area
- Ratio and Proportion – Ratio, Proportion, Compound Units
- Probability – Listing outcomes
- Statistics – Scatter diagrams, Two-way tables, Grouped data

Year 9

- Number – Prime factors, Indices, Fractions, Decimals, Percentages
- Algebra – Formulae, Sequences, Functions, Equations, Inequalities, Graphs
- Geometry and Measures – Pythagoras' Theorem, Trigonometry, Transformations, Construction
- Ratio and Proportion
- Probability
- Statistics – Cumulative frequency, Statistical diagrams, Averages