

Key Stage 3 Maths at FIC – Units of Work

The exact scheduling of topics is subject to change, as the small class sizes at FIC allow for the pace and ordering of teaching to be adjusted according to students' knowledge and progress.

Class – Term	Learning Content (Homework is an extension of classwork)
Year 7 – Autumn	<ul style="list-style-type: none"> ● Sequences ● Algebraic notation ● Algebra – equality and equivalence ● Place value, ordering integers and decimals ● Fractions, decimals and percentages – equivalents
Year 7 – Spring	<ul style="list-style-type: none"> ● Addition and subtraction – problem solving ● Multiplication and division – problem solving ● Fractions and percentages of amounts ● Operations and equations with directed number ● Fractions – adding and subtracting
Year 7 – Summer	<ul style="list-style-type: none"> ● Geometric notation, constructing and measuring ● Geometric reasoning ● Developing number sense ● Sets and probability ● Prime numbers and Proof
Year 8 – Autumn	<ul style="list-style-type: none"> ● Ratio and scale ● Multiplicative reasoning, converting units ● Fractions – multiplying and dividing ● Cartesian plane – introduction to linear graphs ● Statistics – representing data, data types, tables, charts ● Probability and Tables

Year 8 – Spring	<ul style="list-style-type: none"> ● Algebra – brackets, factorising, equations, inequalities ● Sequences ● Indices ● Fractions and Percentages ● Standard Form ● Number sense
Year 8 – Summer	<ul style="list-style-type: none"> ● Angles – parallel lines, polygons ● Areas of circles, trapeziums ● Symmetry, reflection ● Data handling, charts ● Averages and Range
Year 9 – Autumn	<ul style="list-style-type: none"> ● Algebra – straight line graphs ● Algebra – linear equations (forming and solving) ● Testing conjectures / Proof ● 3D shapes ● Constructions and congruency
Year 9 – Spring	<ul style="list-style-type: none"> ● Numbers – reasoning ● Percentages – using ● Maths and money / finances ● Geometry – reasoning and deduction ● Translations – translation and rotation ● Pythagoras' theorem
Year 9 – Summer	<ul style="list-style-type: none"> ● Translations – enlargement and similarity ● Ratio and proportion problems ● Rates (proportion) ● Probability ● Algebraic representation