

# Curriculum Overview

## Subject: Mathematics



**ST MARY'S  
COLLEGE**

	HT1	HT2	HT3	HT4	HT5	HT6
<b>Year 7</b>	<ul style="list-style-type: none"> <li>Sequences</li> <li>Understand and Use Algebraic Notation</li> <li>Equality and Equivalence</li> </ul>	<ul style="list-style-type: none"> <li>Place Value &amp; Ordering Integers and Decimals</li> <li>Fraction, Decimal and Percentage Equivalence</li> </ul>	<ul style="list-style-type: none"> <li>Solving Problems with Addition and Subtraction</li> <li>Solving Problems with Multiplication and Division</li> <li>Fractions &amp; Percentages of Amounts</li> </ul>	<ul style="list-style-type: none"> <li>Operations and Equations with Directed Number</li> <li>Addition and Subtraction of Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Constructing, Measuring and Using Geometric Notations</li> <li>Developing Geometric Reasoning</li> </ul>	<ul style="list-style-type: none"> <li>Developing Number Sense</li> <li>Sets and Probability</li> <li>Prime numbers and Proof</li> </ul>
<b>Year 8</b>	<ul style="list-style-type: none"> <li>Ratio and Scale</li> <li>Multiplicative Change</li> <li>Multiplying and Dividing Fractions</li> </ul>	<ul style="list-style-type: none"> <li>Working in the Cartesian Plane</li> <li>Representing Data</li> <li>Tables and Probability</li> </ul>	<ul style="list-style-type: none"> <li>Brackets, Equations and Inequalities</li> <li>Sequences</li> <li>Indices</li> </ul>	<ul style="list-style-type: none"> <li>Fractions and Percentages</li> <li>Standard Index Form</li> <li>Number Sense</li> </ul>	<ul style="list-style-type: none"> <li>Angles in Parallel Lines and Polygons</li> <li>Area of Trapezia and Circles</li> <li>Line Symmetry and Reflection</li> </ul>	<ul style="list-style-type: none"> <li>The Data Handling Cycle</li> <li>Measures of Location</li> </ul>
<b>Year 9</b>	<ul style="list-style-type: none"> <li>Straight Line Graphs</li> <li>Forming and Solving Equations</li> <li>Testing Conjectures</li> </ul>	<ul style="list-style-type: none"> <li>Three-Dimensional Shapes</li> <li>Constructions and Congruency</li> </ul>	<ul style="list-style-type: none"> <li>Numbers</li> <li>Using Percentages</li> <li>Maths and Money</li> </ul>	<ul style="list-style-type: none"> <li>Deduction</li> <li>Rotation and Translation</li> <li>Pythagoras' Theorem</li> </ul>	<ul style="list-style-type: none"> <li>Enlargement and Similarity</li> <li>Solving Ratio &amp; Proportion Problems</li> <li>Rates</li> </ul>	<ul style="list-style-type: none"> <li>Probability</li> <li>Algebraic Representation</li> </ul>
<b>Year10</b>	<ul style="list-style-type: none"> <li>Congruence, similarity and enlargement</li> <li>Trigonometry</li> </ul>	<ul style="list-style-type: none"> <li>Representing solutions of equations and inequalities</li> <li>Simultaneous equations</li> </ul>	<ul style="list-style-type: none"> <li>Angles &amp; bearings</li> <li>Working with circles</li> <li>Vectors</li> </ul>	<ul style="list-style-type: none"> <li>Ratios &amp; fractions</li> <li>Percentage and Interest</li> </ul>	<ul style="list-style-type: none"> <li>Probability</li> <li>Collecting, representing and interpreting data</li> <li>Non-calculator methods</li> </ul>	<ul style="list-style-type: none"> <li>Type of number and sequences</li> <li>Indices and Roots</li> <li>Manipulating expressions</li> </ul>
<b>Year 11</b>	<ul style="list-style-type: none"> <li>Gradients &amp; lines</li> <li>Non-linear graphs</li> <li>Using graphs</li> <li>Expanding &amp; factorising</li> <li>Changing the subject</li> </ul>	<ul style="list-style-type: none"> <li>Functions</li> <li>Multiplicative</li> <li>Geometric</li> <li>Algebraic</li> </ul>	<ul style="list-style-type: none"> <li>Revision</li> </ul>	<ul style="list-style-type: none"> <li>Revision</li> </ul>	<ul style="list-style-type: none"> <li>Revision</li> </ul>	<ul style="list-style-type: none"> <li>Revision</li> </ul>