

SUBJECT

MATHEMATICS

HOD:

MS SOLANI

<b>Year 8</b>	<b>UNIT TITLES</b>	<b>LEARNING OBJECTIVES</b>	<b>ASSESSMENT ASSIGNMENTS</b>
<b>TERM 1</b>	<b>Number 1</b> <b>Algebra 1</b> <b>Geometry and Measure 1</b> <b>Number 2</b> <b>Statistics 1</b> <b>Algebra 2</b> <b>Geometry and Measure 2</b>	<ul style="list-style-type: none"> <li>• Prime factorisation</li> <li>• Index notation</li> <li>• Sequences</li> <li>• Nth term of a linear sequence</li> <li>• Angle properties</li> <li>• Construction</li> <li>• Decimals, fractions and percentages</li> <li>• Complex calculations</li> <li>• Probability</li> <li>• Substitution</li> <li>• Expanding brackets</li> <li>• Powers</li> <li>• Perimeter &amp; area</li> <li>• Surface area</li> <li>• Volume</li> <li>• Metric and Imperial units</li> </ul>	<ul style="list-style-type: none"> <li>• Progress tests</li> <li>• Mental Arithmetic test</li> <li>• Investigations</li> </ul>
<b>TERM 2</b>	<b>Number 3</b> <b>Algebra 3</b> <b>Geometry and Measure 3</b> <b>Algebra 4</b> <b>Statistics 2</b>	<ul style="list-style-type: none"> <li>• Decimals</li> <li>• Estimation</li> <li>• Functions</li> <li>• <math>y = mx + c</math></li> <li>• Real life graphs</li> <li>• Congruency</li> <li>• Transformations</li> <li>• Formulae</li> <li>• Linear equations</li> <li>• Surveys &amp; experiments</li> <li>• Diagrams &amp; graphs</li> </ul>	<ul style="list-style-type: none"> <li>• Progress tests</li> <li>• Mental Arithmetic test</li> <li>• Investigations</li> </ul>
<b>TERM 3</b>	<b>Solving Problems</b> <b>Algebra 5</b> <b>Number 4</b> <b>Geometry and Measure 4</b> <b>Statistics 3</b>	<ul style="list-style-type: none"> <li>• Logic</li> <li>• Proof</li> <li>• Collecting like terms</li> <li>• Graphical solutions</li> <li>• Order of operations</li> <li>• 3D shapes</li> <li>• Bearings</li> <li>• Plans and Elevations</li> <li>• Construction &amp; loci</li> <li>• Averages</li> <li>• Compare 2 distributions</li> <li>• Discrete and continuous data</li> </ul>	<ul style="list-style-type: none"> <li>• Progress tests</li> <li>• Mental Arithmetic test</li> <li>• Investigations</li> </ul>