

## Year 8 Mathematics Program 2017

Program Overview											
Term 1			Term 2			Term 3			Term 4		
Weeks/ Strand	Content		Weeks/ Strand	Content		Weeks/ Strand	Content		Weeks/ Strand	Content	
<b>Number &amp; Measurement</b>	1	<b>Number</b> <ul style="list-style-type: none"> <li>• Integer Operations</li> <li>• Index Notation</li> <li>• Rule of Order</li> </ul>	<b>Statistics Algebra and Measurement</b>	1	<b>Statistics</b> <ul style="list-style-type: none"> <li>• Sample v Census</li> <li>• Calculations – Mean, Mode, Median and Range from Tables.</li> <li>• Graphs – Dot histograms and Stem and Leaf.</li> </ul>	<b>Number and Algebra</b>	1	<b>Algebra</b> <ul style="list-style-type: none"> <li>• Algebra Review</li> <li>• Factorisation</li> </ul>	<b>Function, Statistics, and Probability</b>	1	<b>Function</b> <ul style="list-style-type: none"> <li>• Tables</li> <li>• Graphs</li> </ul>
	2			2			2			2	
	3			3			3			3	
	4			4			4	4			
	5			5			5	5			
	6	<b>Week 5 Test 1</b>		6	<b>Week 4 Investigation</b>		6	<b>Number</b> <ul style="list-style-type: none"> <li>• Rates</li> <li>• Ratio</li> <li>• Time</li> </ul>		6	<b>Statistics</b> <ul style="list-style-type: none"> <li>• Outliers</li> <li>• Effects of Sampling</li> </ul>
	7			7			7			7	
	8			8			8			8	
	9			9			9			9	
	10			10			10			10	
7	<b>Measurement</b> <ul style="list-style-type: none"> <li>• Units</li> <li>• Area</li> <li>• Circles</li> <li>• Volume of Prisms</li> </ul>	7	<b>Algebra</b> <ul style="list-style-type: none"> <li>• Expand and Simplify</li> </ul>	7	<b>Week 5 Skills Test 2</b>	7	<b>Number</b> <ul style="list-style-type: none"> <li>• Percentages</li> <li>• % increase</li> <li>• %decrease</li> <li>• Financial Maths</li> </ul>	7	<b>Probability</b> <ul style="list-style-type: none"> <li>• Complementary</li> <li>• “at’ least” “or” “and”</li> <li>• 2 way tables</li> <li>• Venn diagrams</li> </ul>		
8		8		8		8					
9		9		9		9					
10		10		10		10					
10		10		10		10					

\*\*\* Although the program has been broken into blocks of time devoted to individual content strands, it is expected that concepts and skills that have already been taught are revisited regularly throughout the year during warm up sessions and by devoting whole lessons to revision of concepts on a weekly or fortnightly basis, as it suits your class and the program.