



| TERM 1 (8wks)  | TERM 2 (11wks)   | TERM 3 (10 wks)  | TERM 4 (8 weeks<br>+ 2wk HS +1 wk Activity)   |
|--|--|--|---|
| <p><b>HEADSTART 2014</b><br/> <b>Chapter 2 – Pythagoras’ Theorem</b></p> <ul style="list-style-type: none"> <li>Pythagoras’ Theorem and right-angled triangles</li> <li>Finding the length of the hypotenuse</li> <li>Finding the length of the shorter side</li> <li>Applications of Pythagoras’s Theorem</li> <li>Pythagorean Triads</li> </ul> <p style="text-align: right;">2 weeks</p> <p><b>TERM 1</b><br/> <b>Chapter 1 – Financial Maths</b></p> <ul style="list-style-type: none"> <li>Percentage Review</li> <li>Buying &amp; selling</li> <li>Earning an income</li> <li>Simple Interest</li> </ul> <p><b>Chapter Test</b></p> <p style="text-align: right;">3 weeks</p> <p><b>Chapter 8 – Statistics</b></p> <ul style="list-style-type: none"> <li>Investigating data</li> <li>Interpreting data</li> <li>Statistics from grouped data</li> <li>Comparing data sets</li> </ul> <p><b>Stats Test</b></p> <p style="text-align: right;">4 weeks</p> <p><b>Chapter 3 – Algebra</b></p> <ul style="list-style-type: none"> <li>Index Laws using variables</li> <li>More Laws and index properties</li> <li>Scientific Notation/ significant figures</li> </ul> <p><b>Half time Test</b></p> <p style="text-align: right;">2 weeks</p> | <p><b>Chapter 3 – Expanding &amp; Factorising</b></p> <ul style="list-style-type: none"> <li>Expanding brackets</li> <li>Expanding special products</li> <li>Ex 3.7 Factorising using common factors</li> <li>Ex 3.8 Factorising by grouping by pairs</li> </ul> <p><b>Factorising Test or Assignment</b></p> <p style="text-align: right;">3 weeks</p> <p><b>Chapter 7 – Trigonometry</b></p> <ul style="list-style-type: none"> <li>Introduction to Trigonometry</li> <li>Trigonometric ratios</li> </ul> <p style="text-align: right;">1 week</p> <p><b>NAPLAN (12 – 14th May 2014)</b></p> <p style="text-align: right;">1 week</p> <p><b>Chapter 7 – Trigonometry Cont.</b></p> <ul style="list-style-type: none"> <li>Using Trigonometry to find side lengths</li> <li>Using Trigonometry to find angles</li> <li>Applications of Trigonometry</li> </ul> <p><b>Chapter Test</b></p> <p style="text-align: right;">3 weeks</p> <p><b>MID – YEAR REVISION &amp; EXAM</b></p> <p><b>** last lesson of week ? **</b></p> <p>(Held in class, Semester 1 topics including Pythagoras’ Theorem)</p> <p style="text-align: right;">1 week</p> | <p><b>Chapter 5 – Linear Relationships</b></p> <ul style="list-style-type: none"> <li>Ex 5.1 Solving linear equations</li> <li>Ex 5.2 Solving problems using equations</li> <li>Ex3.4 Rearranging formulae</li> </ul> <p><b>Half time Test</b></p> <p style="text-align: right;">3 weeks</p> <p><b>Chapter 5 – Linear Relationships</b></p> <ul style="list-style-type: none"> <li>Ex.5.3 Co-ordinate Geometry</li> <li>Plotting Linear Graphs</li> <li>Gradient</li> <li>Sketching Linear Graphs using the gradient and y-intercept</li> <li>Sketching linear graphs using x-and y-intercepts</li> <li>Vertical and horizontal graphs</li> </ul> <p><b>Chapter Test</b></p> <p style="text-align: right;">4 weeks</p> <p><b>Chapter 4 – Measurement</b></p> <ul style="list-style-type: none"> <li>Perimeter</li> <li>Area</li> <li>Surface Area</li> <li>Volume &amp; Capacity</li> </ul> <p><b>Chapter Test</b></p> <p style="text-align: right;">3 weeks</p> | <p><b>Chapter 8 – Probability</b></p> <ul style="list-style-type: none"> <li>Understanding probability</li> <li>Probability events</li> <li>Representing probability</li> </ul> <p><b>Chapter Test</b></p> <p style="text-align: right;">2 weeks</p> <p><b>Chapter 6 – Geometric Reasoning</b></p> <ul style="list-style-type: none"> <li>Angle review</li> <li>Triangles and congruency</li> <li>Special Quadrilaterals and their properties</li> <li>Enlarging and reducing</li> <li>Similarity and similar triangles</li> </ul> <p>Solids and Nets</p> <p><b>Chapter Test</b></p> <p style="text-align: right;">3 weeks</p> <p><b>END OF YEAR REVISION &amp; EXAM</b></p> <p>(Held as cohort, Alphabetically assigned rooms, Semester 2 topics including TRIGONOMETRY – Exam week is usually Cup Week)</p> <p style="text-align: right;">2 weeks</p> |



| Chapter 1<br>Financial Mathematics   |  | Chapter 2<br>Pythagoras' Theorem<br>(*Yr 9 Headstart 2012 )  |  | Chapter 3<br>Algebra  |  | Chapter 4<br>Measurement  |  |   |  |
|--|--|--|--|---|--|---|--|---|--|
| <ul style="list-style-type: none"> <li>Percentage Review</li> <li>Buying &amp; selling</li> <li>Earning an income</li> <li>Tax and other pay deductions</li> <li>Simple Interest</li> <li>Payment Methods</li> <li>The cost of Resources</li> <li>Communication costs</li> </ul>   |  | <ul style="list-style-type: none"> <li>Pythagoras' Theorem and right-angled triangles</li> <li>Finding the length of the hypotenuse</li> <li>Finding the length of the shorter side</li> <li>Applications of Pythagoras's Theorem</li> <li>Pythagorean Triads</li> </ul> |  | <ul style="list-style-type: none"> <li>Index Laws using variables</li> <li>More Index Laws and index properties</li> <li>Scientific Notation and significant figures</li> <li>Expanding brackets</li> <li>Expanding special products</li> <li>Factorising using common factors</li> <li>Factorising by grouping by pairs</li> </ul> |  | <ul style="list-style-type: none"> <li>Perimeter</li> <li>Area</li> <li>Surface Area</li> <li>Volume &amp; Capacity</li> <li></li> </ul>  |  |   |  |
| Chapter 5<br>Linear Relationships  |  | Chapter 6<br>Geometric Reasoning   |  | Chapter 7<br>Trigonometry   |  | Chapter 8<br>Statistics and Probability   |  | Chapter 9<br>Non-Linear Relationships and Proportion  |  |
| <ul style="list-style-type: none"> <li>Solving linear equations</li> <li>Solving problems using equations</li> <li>Co-ordinate Geometry</li> <li>Plotting Linear Graphs</li> <li>Gradient</li> <li>Sketching Linear Graphs using the gradient and y-intercept</li> <li>Sketching linear graphs using x-and y-intercepts</li> <li>Vertical and horizontal graphs</li> </ul> |  | <ul style="list-style-type: none"> <li>Angle review</li> <li>Triangles and congruency</li> <li>Special Quadrilaterals and their properties</li> <li>Enlarging and reducing</li> <li>Similarity and similar triangles</li> <li>Solids and Nets</li> </ul>                 |  | <ul style="list-style-type: none"> <li>Introduction to Trigonometry</li> <li>Trigonometric ratios</li> <li>Using Trigonometry to find side lengths</li> <li>Using Trigonometry to find angles</li> <li>Applications of Trigonometry</li> </ul>  |  | <ul style="list-style-type: none"> <li>Investigating data</li> <li>Interpreting data</li> <li>Statistics from grouped data</li> <li>Comparing data sets</li> <li>Understanding probability</li> <li>Probability events</li> <li>Representing probability</li> </ul> |  | <ul style="list-style-type: none"> <li>Quadratic relationships</li> <li>Solving quadratic equations</li> <li>Sketching parabolas</li> <li>Circle relationships</li> <li>Exponentials and hyperbolas</li> <li>Direct proportion</li> <li>Inverse proportion</li> </ul> |  |