



## YEAR 8 MATHS WORK PLAN: Semester 1, 2017- 8A Mr.Mooney, 8D Mr. Bindley, 8B Mr.Telleman, 8C Mr.Miller-Metzner

UNIT	TERM 1 TOPICS	ASSESSMENT	DUE DATE
8.1	<b>INTEGERS AND INDICES (4 weeks – Pearson 1.1 – 1.6)</b> Integers Review; Integer Multiplication; Integer Division; Combined Operations with Integers; Multiplying and dividing numbers in index form; Powers and powers, products and quotients	8.1 Exam – Chapter 1	<b>Week 4</b> 8A -Thurs 16 <sup>th</sup> Feb 8B, 8C & 8D – Fri 17 <sup>th</sup> Feb
8.2	<b>FRACTIONS, DECIMALS AND PERCENTAGES (4 weeks – Pearson 2.1 – 2.10)</b> Working with fractions and decimals; Types of decimals; Negative fractions and decimals; Estimating percentages; Writing fractions and decimals as percentages; Writing percentages as fractions and decimals; Writing one amount as a percentage of an amount; Finding a percentage of an amount; Increasing or decreasing by a given percentage; Financial application of percentages	8.2 Exam – Chapter 2	<b>Week 8</b> 8A -Thurs 16 <sup>th</sup> March 8B, 8C & 8D – Fri 17 <sup>th</sup> March
8.3	<b>ALGEBRA (2 weeks – Pearson 3.1 – 3.3)</b> Variables and expressions; Substitution for variables; Using formulas	(Week 6 Term 2)	
UNIT	TERM 2 TOPICS	ASSESSMENT	DUE DATE
8.3a	<b>ALGEBRA: Magic Squares Investigation (1 week class time)</b>	8.3a Investigation	Handout – <b>Week 2</b> Wed 26 <sup>th</sup> April Due <b>Week 4</b> Wed 10 <sup>th</sup> May In class task
8.3	<b>ALGEBRA continued (2 weeks – Pearson 3.4 – 3.7)</b> Simplifying expressions; Multiplying and dividing algebraic terms; Expanding brackets; Factorising	8.3 Exam – Chapter 3	<b>Week 5</b> <b>8A, 8C &amp; 8D</b> - Wed 17 <sup>th</sup> May <b>8B</b> – Friday 19 <sup>th</sup> May
8.4	<b>MEASUREMENT (5 weeks – Pearson 5.1 – 5.6)</b> Perimeter; Circle relationships; Circumference; Area; Area of a Circle; Finding the area of composite shapes; Volume and Capacity	8.4 Exam – Chapter 5	Exam Block <b>Week 10</b>

This work plan was last updated on Monday, 15 May 2017. The contents are subject to change – students will be advised in advance of any changes - regularly check for updates.