

2020 Year 8 Scope and Sequence

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
Percentages and Financial Mathematics			Probability		Data Collection and Representation and Single Variable Data				Year 8 Camp	Alternative Assessment Week
MA4 5NA, MA4 6NA, MA4 1WM, MA4 2WM, MA4 3WM			MA4 21SP, MA4 1WM, MA4 2WM, MA4 3WM		MA4 19SP, MA4 20SP, MA4 1WM, MA4 2WM, MA4 3WM					
Find percentages of quantities and express one quantity as a percentage of another, with and without the use of digital technologies. Solve problems involving the use of percentages, including percentage increases and decreases, with and without the use of digital technologies Investigate and calculate the Goods and Services Tax (GST), with and without the use of digital technologies Investigate and calculate 'best buys', with and without the use of digital technologies Solve problems involving profit and loss, with and without the use of digital technologies.			Describe events using language of 'at least', exclusive 'or' (A or B but not both), inclusive 'or' (A or B or both) and 'and' Represent events in two-way tables and Venn diagrams and solve related problems		Investigate techniques for collecting data, including census, sampling and observation Explore the practicalities and implications of obtaining data through sampling using a variety of investigative processes Identify and investigate issues involving numerical data collected from primary and secondary sources Construct and compare a range of data displays, including stem-and-leaf plots and dot plots Calculate mean, median, mode and range for sets of data and interpret these statistics in the context of data Investigate the effect of individual data values, including outliers, on the mean and median Describe and interpret data displays using mean, median and range Explore the variation of means and proportions of random samples drawn from the same population					
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Term 4

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
Measurement			Study Skills and Semester 2 Exam		Measurement continued		Properties of Geometric Figures		
MA4 12MG, MA4 13MG, MA4 14MG, MA4 1WM, MA4 2WM, MA4 3WM							MA4 17MG, MA4 1WM, MA4 2WM, MA4 3WM		
Use formulas to solve problems involving circumference Find areas of trapeziums, rhombuses and kites Investigate the relationship between features of circles, such as the area and the radius; use formulas to solve problems involving area Draw different views of prisms and solids formed from combinations of prisms Choose appropriate units of measurement for volume and convert from one unit to another Develop the formulas for the volumes of rectangular and triangular prisms and of prisms in general; use formulas to solve problems involving volume Calculate the volumes of cylinders and solve related problems							Use the properties of special triangles and quadrilaterals to solve simple numerical problems with appropriate reasoning Define congruence of plane shapes using transformations Develop the conditions for congruence of triangles Establish some of the properties of quadrilaterals using congruent triangles and angle properties, and solve related numerical problems using reasoning		
							School Holidays (SDDs)		

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1 School Photos

2 Maths Competition