

Turramurra High School - 2020 - Year 10 5.2 - Scope and Sequence

Term 1

Week 1		Week 2		Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11		
S. D. D.	Years 7, 11, 12 Whole School	Trig	Swimming Carnival	Trigonometry		Algebraic Techniques and Equations (8 Lessons)		Measurement and Equations (10 lessons)			Financial Maths (12 Lessons)			
				MA5.2 1WM, MA5.2 2WM, MA5.2 13MG	MA5.2 1WM, MA5.2 2WM, MA5.2 3WM, MA5.2 8NA		MA5.2 1WM, MA5.2 2WM, MA5.2 11MG, MA5.2 12MG			MA5.1 1WM, MA5.1 2WM, MA5.1 3WM, MA5.1 5NA, MA5.2 1WM, MA5.2 2WM, MA5.2 4NA				
				<ul style="list-style-type: none"> Review trigonometry basics (finding an unknown side and angle) and build student skills in doing trigonometry in degrees and minutes. 		<ul style="list-style-type: none"> Introduce students to reading and interpreting bearings (both compass and three-figure) and solving trigonometric problems involving bearings. Introduce students to two triangle problems. 		<ul style="list-style-type: none"> Review simplifying algebraic expressions (including a review of basic index laws) and solving equations. Apply the four operations to algebraic fractions with numerical denominators and extend to pronumeral denominators. Solve linear equations involving simple algebraic fractions. 		<ul style="list-style-type: none"> Solve problems involving surface area for a range of prisms, cylinders and composite solids. Solve problems involving the volumes of a range of prisms, cylinders and composite solids. Solve equations arising from the substitution into area, surface area and volume formulae. 			<ul style="list-style-type: none"> Investigates ways of paying for an item and solves simple interest problems that involve buying on terms 	
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Good Friday

Term 2

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	
Financial Maths (Continued)	Financial Maths (Continued)		Semester 1 Assessment	Financial Maths (Continued)	Data Analysis (10 lessons)	Data Analysis (Cont)			Consolidation Week	
<ul style="list-style-type: none"> Connects compound interest to repeated applications of simple interest and establishes then uses the formula for compound interest. 	<ul style="list-style-type: none"> Solves problems involving compound interest and depreciation. 			<ul style="list-style-type: none"> Solves equations arising from substitution into financial maths formulae. 	<ul style="list-style-type: none"> Review constructing and interpreting box plots and using them to compare data sets. Investigate and describe bivariate numerical data where the independent variable is time. 	MA5.2 1WM, MA5.2 3WM, MA5.2 15SP, MA5.2 16SP				<ul style="list-style-type: none"> Use scatter plots to investigate and comment on relationships between two numerical variables. Use scatter plots to investigate and comment on relationships between two numerical variables.
NAPLAN										2

Queens Birthday

