

Turramurra High School - 2022 - Year 10 5.2/5.1 - Scope and Sequence

Term 1 2022											
		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
31/1	1/2		7/2	14/2	21/2	28/2	7/3	14/3	21/3	28/3	4/4
SDD 2	Year 7, 11 & 12 return	Topic 1: Algebraic Techniques and Equations	Swimming Carnival	Topic 1: Algebraic Techniques and Equations	Topic 2: Trigonometry	Topic 3: Measurement Surface Area & Volume & Equations					
		MA5.2 1WM, MA5.2 2WM, MA5.2 3WM, MA5.2 8NA		MA5.2 1WM, MA5.2 2WM, MA5.2 3WM, MA5.2 8NA	MA5.2 1WM, MA5.2 2WM, MA5.2 13MG	MA5.2 1WM, MA5.2 2WM, MA5.2 11MG, MA5.2 12MG					
		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.		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.	Review trigonometry basics (finding an unknown side and angle) and build student skills in doing trigonometry in degrees and minutes. Introduce students to reading and interpreting bearings (both compass and three-figure) and solving trigonometric problems involving bearings. Introduce students to two triangle problems.	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.					
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Term 2 2022

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10		
		25/4	2/5	9/5	16/5	23/5	30/5	6/6	13/6	20/6	27/6		
Anzac Day S.D.D.	Topic 4: Linear & Non-Linear Relationships					Topic 5: Data Analysis					Topic 5: Data Analysis	Topic 4: Financial Maths	
	MA5.2 1WM, MA5.2 3WM, MA5.2 9NA, MA5.2 10NA					MA5.2 1WM, MA5.2 3WM, MA5.2 15SP, MA5.2 16SP					MA5.2 1WM, MA5.2 3WM, MA5.2 15SP, MA5.2 16SP	MA5.1 1WM, MA5.1 2WM, MA5.1 3WM, MA5.1 5NA, MA5.2	
		Review and build on skills learnt in Year 9 to interpret and graph linear relationships. Introduce students to perpendicular lines and solve problems involving parallel and perpendicular lines. Graph and simple non-linear relationships (parabola, exponential and circle) Connect algebraic and graphical representations of simple non-linear relationships.					Review constructing and interpreting box plots and use them to compare data sets Compare shapes of box plots to corresponding histograms and dot plots Investigate and describe bivariate numerical data where the independent variable is time Use scatter plots to investigate and comment on relationships between two numerical variables					Review constructing and interpreting box plots and use them to compare data sets Compare shapes of box plots to corresponding histograms and dot plots Investigate and describe bivariate numerical data where the independent variable is time Use scatter plots to investigate and comment on relationships between two numerical variables	Solve problems involving simple interest Connect the compound interest formula to repeated applications of simple interest using appropriate digital technologies Solves problems involving compound interest and depreciation. Solves equations arising from substitution into financial maths formulae.
		NAPLAN											

Athletics Carnival

Queens Birthday

Term 2 Assessment

Term 4 2022

Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10		Week 11	
10/10		17/10		24/10		31/10		7/11		14/11		21/11		28/11		5/12		12/12		19/12	20/12
Topic 9: Algebra- binomial expansions				Topic 10: Quadratic Equations				Semester 2 Assessment	Topic 11: Similarity				Work Experience	Prep for Year 11 - review algebra and other important content, financial mathematics & measurement						SDD	School Holidays
MA5.2 1WM, MA5.2 3WM, MA5.2 6NA				MA5.2-1WM, MA5.2-2WM, MA5.2-3WM, MA5.2-8NA					MA5.2 1WM, MA5.2 2WM												
Expand binomial products and factorise monic quadratic expressions using a variety of strategies				Solve simple quadratic equations using a range of strategies																	