

Turrumurra High School - 2023 - Year 10 5.2/5.1 - Scope and Sequence

Term 1 2023												
		Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	
		30/1 31/1	6/2	13/2	20/2	27/2	6/3	13/3	20/3	27/3	4/3	
SDD 2	Year 7, 11 & 12 return	Topic 1: Algebraic Techniques	Topic 1: Algebraic Techniques and Equations				Topic 2: Trigonometry			Topic 2: Trigonometry	Topic 3: Measurement Surface Area & Volume & Equations	
		Review simplifying algebraic expressions (including a review of basic index laws) and solving equations.	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 13MG	MA5.2 1WM, MA5.2 2WM, MA5.2 11MG, MA5.2 12MG	
		Swimming Carnival	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.			Athletics Carnival	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 2023

		Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10			
		24/4	25/4	26/4	1/5	8/5	15/5	22/5	29/5	5/6	12/6	13/6	19/6	26/6
S.D.D.	Anzac Day	Topic 4: Non- Right Trigonometry	Topic 5: Linear & Non-Linear Relationships									Topic 6:		
		MA5.3 1WM, MA5.3 2WM, MA5.3 3WM, MA5.3 15MG <ul style="list-style-type: none"> Use the sine, cosine and area rules for any triangle and solve related problems. 	MA5.2 1WM, MA5.2 3WM, MA5.2 9NA, MA5.2 10NA											
		<p>Review and build on skills learnt in Year 9 to interpret and graph linear relationships.</p> <p>Introduce students to perpendicular lines and solve problems involving parallel and perpendicular lines.</p> <p>Graph and simple non-linear relationships (parabola, exponential and circle)</p> <p>Connect algebraic and graphical representations of simple non-linear relationships.</p>										Queens Birthday		
			Topic 6: Simultaneous						Term 2 Assessment		Topic 6: Simultaneous			
			MA5.2 1WM, MA5.2 2WM, MA5.2 3WM, MA5.2 8NA						Uses graphical and at least one analytical technique to solve linear simultaneous equations.		MA5.2 1WM, MA5.2 2WM, MA5.2 3WM, MA5.2 8NA			
									Uses graphical and at least one analytical technique to solve linear simultaneous equations.		Uses graphical and at least one analytical technique to solve linear simultaneous equations.			

Term 4 2023

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
9/10	16/10	23/10	30/10	6/11	13/11	20/11	27/11	4/12	11/12	
Topic 10: Algebra- binomial expansions		Topic 11: Quadratic Equations			Semester 2 Assessment	Topic 12: Networks		Work Experience	Prep for Year 11 - review algebra and other important content, financial mathematics & measurement	
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. Review solving equations and formulae.				Examine the basics of networks and the terminology used.				