

Turramurra High School - 2024 - Year 10 5.2 - Scope and Sequence

Term 1 2024												
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11		
29/1 30/1	5/2	12/2	19/2	26/2	4/3	11/3	18/3	25/3	29/3	3/4 10/4		
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			GOOD FRIDAY	EASTER MONDAY	Topic 3: Measurement Surface Area	Topic 4: Non-Right Trigonometry
	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 Apply the four operations to algebraic fractions with numerical denominators and extend to pronumeral denominators. Solve linear equations involving simple algebraic fractions.	MA5.2 1WM, MA5.2 2WM, MA5.2 13MG 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.		MA5.2 1WM, MA5.2 2WM, MA5.2 11MG, MA5.2 12MG 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.					MA5.2 1WM, MA5.2 2WM, MA5.2 11MG, 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.	MA5.3 1WM, MA5.3 2WM, MA5.3 3WM, • Use the sine, cosine and area rules for any triangle and solve related problems.

Term 4 2024

Term 4 2024											
Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10		
14/10	21/10	28/10	4/11	11/11	18/11	25/11	2/12	9/12	16/12	20/12	
Topic 10: Algebra- binomial expansions		Topic 11: Quadratic Equations	Semester 2 Assessment		Topic 11: Quadratic Equations	Topic 12: Networks		Work Experience		Prep for Year 11 - review algebra and other important content, financial mathematics & measurement	S. D. D.
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, 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.			Solve simple quadratic equations using a range of strategies. Review solving equations and formulae.	Examine the basics of networks and the terminology used.					