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

	Term 1 2024																			
	V	Veek 1	Week 2		Week 3	V	Veek 4	We	eek 5		Week	6	Wee	k 7	Week 8	W	leek 9		Week 10	Week 11
29/1	30/1		2/2	12/2	_	19/2		26/2		4/3			11/3		18/3	25/3	_	29/3	4/5	10/4
		Topic 1: Algebraic Techniques and Equations			Topic 1: Alg Technique Equation MA5.2 1WM, 2WM, MA5.2	s and ons MA5.2	Topic 2: Trigonometry MA5.2 1WM, MA5.2 2WM, MA5.2 13MG				Topic 3: Measurement Surface Area & Volume & Equations MA5.2 1WM, MA5.2 2WM, MA5.2 11MG, MA5.2 12MG						Topic 3: Measurement Surface Area MA5.2 1WM, MA5.2 2WM,	Topic 4: Non- Right Trigonometry MA5.3 1WM, MA5.3 2WM,		
SDD 2	expressions (inc basic index laws equations.		aplifying algebraic (including a review of laws) and solving		to algebraic fractions with numerical denominators		angle) and build student skills in doing trigonometry in degrees and minutes. Introduce students to reading and interpreting bearings				cylinders and composite solids. Solve problems involving the volumes of a range of prisms,					GOOD FRIDAY	involving surface area for a range of prisms, cylinders and composite solids. Solve problems	MA5.3 3WM, • Use the sine, cosine and area rules for any triangle and solve related problems.		

	Term 2 2024													
	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6		Week 7	Week 8		Week 9	Week 10		
29/4	30/4	9/9	13/5	20/5	27/5	3/6	10/6	11/6	17/6	24/6		1/7		
	Right		Topic 5: Lir	near & Non-Linear l	Relationships		Topic 6: Sim	nultaneous Equation	ısa		Simultaneous MA5.2 1WM,			
	MA5.3 TWM, MA5.3 2WM, MA5.3 3WM,			day		IA5.2 2WM, MA5.2 3V MA5.2 8NA		MA5.2 1WM, MA5.2 2WM, MA5.2 3WM,						
<u>ت</u>	cosine and area		skills learnt in Year 9 to		•	Holic		id at least one analytica e linear simultaneous	1erm 2	Uses graphical and at least one analytical technique to solve				
တ်	triangle and solve	ngle and solve								uations.				
	related problems.											equations.		
		Connect algebraic and	d graphical representation	ons of simple non-linea										

					Term 3 2024														
	Week 1	Week 2	Week 3	Week	4	Week 5	Week 6	Week 7		Week 8	V	Veek 9	V	Veek 10					
22/7	23/7	29/7	5/8	12/8		19/8	26/8	5/8	6/6		16/9		23/9						
		Topic 7: Data	Analysis			Т	Copic 8: Probability			Topic 9: Financial Maths									
	MA5.2 1	WM, MA5.2 3WM, M	1A5.2 15SP, MA5.2 16S	SP	MA	A5.2 1WM, MA5.2 2W	/M, MA5.2 3WM, MA	5.1 13SP, MA5.2 17SP		MA5.1 1WM. MA5.1 2WM, MA5.1 3WM, MA5.1 5NA, M 1WM, MA5.2 2WM, MA5.2 4NA									
	Review constructing sets	and interpreting box p	lots and use them to con			es relative frequencies ties of events involving	from given or collected g "and" or "or"	data to estimate		Solve problems involving simple interest Connect the compound interest formula to repeated applications									
S. D.			ing histograms and dot p		•	and use venn diagrams	·			of simple interest using appropriate digital technologies									
D.	Investigate and descrivariable is time	ibe bivariate numerica	l data where the indeper		tree diagi	rams or arrays; assign j	xperiments, with and v probabilities to outcom		Solves problems involving compound interest and depreciation.										
	Use scatter plots to in numerical variables	nvestigate and commer	nt on relationships between	een two		ties for events. the results of two- and	I three-step chance exp		Solves equations arising from substitution into financial maths formulae.										
					replacem events; ir	ent, assign probabilitienvestigate the concept	es to outcomes, and det of independence.												
					ose the h	anguage of 11 then,	'given', 'of', 'knowing tl	nat to investigate											

	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						
Topic 10: Algebra- binomial expansions		Topic 11: Quadratic Equations MAS:2-1 WM,		Topic 11: Quadratic Equations MAS:2-1WM,	Topic 12	: Networks									
MA5.2 1WM, MA5.2	3WM, MA5.2 6NA	MA5.2-1WM, MA5.2-2WM, MA5.2-3WM,	Semester 2	MA5.2-1 WM, MA5.2-2WM, MA5.2-3WM,	MA5.2 1WM	I, MA5.2 2WM		Prep for Year 11 - rev	iew algebra and S						
Expand binomial products quadratic expressions using		Solve simple quadratic equations	Assessment	Solve simple quadratic equations	Examine the basics of terminology used.	networks and the	Work Experience	other important cor mathematics & m							
strategies		using a range of strategies. Review solving equations and formulae.	using a range of strategies. Review												