Turramurra High School - 2020-Year 9 5.3 - Scope and Sequence

Term 1 - Tuesday, 28th January to Thursday, 9th April

	W	Veek 1			Week 2	We	eek 3		Week 4			Week	ς 5		Week 6			Week 7			Wee	k 8		Week 9			Week	10	Week	11			
			(5.3)			Algebr	raic Techn	iques an	d Equations	1 (5.3))						Measu	rement :	1 (5.2)						Geom	etry 1	1		Geometry	2			
			tions 1	_	MA5.2 1WM, MA5.2 3WM, MA5.2 6NA, MA5.2 8NA, MA5.3 1WM, MA5.3 5NA, MA5.3 7NA							MA5.1	MA5.1 1WM, MA5.1 2WM, MA5.2 1WM, MA5.2 2WM, MA5.1 8MG, MA5.2 11MG, MA5.2 12MG, MA5.2 8NA							MA5.2 1WM, MA5.2 2WM,					MA5.1 3WM, MA5.1 11MG								
loliday	S.	11 ,12 School	nd Equa			Apply the four operations to the the simplification of algebraic expressions including ose involving fractions and expansions with numerical denominators						Consolidate and build on the concepts from stage 4 of Pythagoras' Theorem, perimeter, area and volume. Calculate and solves problems involving the area of composite figures and							Establish results for interior and exterior angles of polygons.					Use the enlargement transformation to		Friday							
ubllic Holi	D. D.	Years 7, Whole S	iques a	Swimn	vimming	vimming	Perform binomia	l expansion	ıs							• Solve	face area of problems site solids.	involving				prism	ns, cylinde	rs and		oly logic	nd reaso	ning	to solve s		explain simil	arity	Good F
Pub			Techniqu		Solve linear, basic	c quadratic	and cubic	equatio	ns and linea	ar inequ	uations			• Use si	gnificant i equations	figures as					and rearr	anges							conditions for triangles to b				
											literal equations.									similar.													
			,																												\Box		

Term 2 - Monday, 27th April to Friday, 3rd July

	Week 1 W		/eek	2	Week 3	Week 4	Week 5		Week 6	Week 7	Week 8	Week 9	Week 10			
	Geometry	2			Indices and Scientific	Notation				Surds		Trigonometry				
	MA5.1 3WM, MA5.1 1		NINI MIASTITIMICI I		/M, MA5.1 2WM, MA5 MG, MA5.2 1WM, MA5					M, MA5.3 2WM, VM, MA5.3 6NA	MA5.1 1WM, MA5.1 2WM, MA5.1 3WM, MA5.1 10MG, MA5.2 1WM, MA5.2 2WM, MA5.2 13MG • Use similarity to investigate the constancy of the sine, cosine and					
	Solve problems u	Solve problems using • Apply index laws to no integer indices.				xpressions with		Birthday	Define rational a	and irrational numbers.						
S.		atio and scale factors in			191				Perform basic op	perations with surds	tangent ratios for a given angle in right-angled triangles.					
D.			Athletics	• Express	numbers in scientific no	tation	Assessment	Queens B			Apply trigonometry	to solve right-angled tria	ngle problems			
					NAPLAN											

Term 3 - Monday, 20th July to Friday, 25th September

	Week 1 Week 2 Week 3 Week 4 Week 5				5	Weel	6	Week 7 Week 8 Week 9						V	/eek 10				
		Linear Relationsh	iips	Rates				Simultaneous Equations			Quadratic Factorisation and Algebraic Fractions						Single Variable Data		
		MA5.1 1WM, MA5.1 3WM, MA5.2 1WM, MA5.2 3WM,			MA5.2 1WM, MA5.2 2WM, MA5.2 5NA			MA5.2 1WM, MA5.2 2WM,			MA5.3 1WM, MA5.3 5NA						Analysis		
S. D. D.	Find the distant Cartesian plane to Sketch linear go Interpret and g form of the equality.	ce, midpoint and gradient using a range of strategies. raphs using the coordinate raph linear relationships ution of a straight line.	between two points on the ses of two points. Issing the gradient-intercep	Recognise direct proportion. Solve problems t direct proportion. Explore the relai	proportion.			Solve linear simultaneous equations, using algebraic and graphical methods, including using digital technologies.			Factorise monic and non-monic quadratic expressions. Simplify algebraic fractions, where at least one binomial factorisation needs to be performed. Multiply and divide algebraic fractions which involve multiple factorisations. Add and subtract algebraic fractions where a common denominator						s in Weel	(1 of	
			corresponding to problems.	simple rate				needs to be found.											

Term 4 - Monday, 12th October to Wednesday, 16th December

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week	7 Week	8	Week 9	Week 1	10
MA5.1 1WM, MA5.1 MA5.1 12SP, MA5.2 15SP, MA5.3 2WM, MA5. Compare data displar and range to describe data sets in terms of lospread.	e Data Analysis 2WM, MA5.1 3WM, 1WM, MA5.2 3WM, MA5.3 1WM, 3 3WM, MA5.3 18SP s using mean, median and interpret numerical cation (centre) and and interquartile range. et box plots and use sets. ox plots to ms and dot plots. surveys in digital or information on how	Week 3 Revision	Week 4 Semester 2 Assessment	Financia MA5.1 1WM, MA5.1	I Maths 1 2 WM, MA5.1 3 WM, 1 4 NA the concepts involved in g earning money. g simple interest. from substation and		• Apply logical reasoning • Construct • Apply logical • Prove and apply	MAS.2 1WM, MMG, MAS.3 MAS.2 to more comp sha et proofs invo reasoning to p theorems an	, MA5.2 2WM, 1 1WM, MA5.3 2WM, N 3 16MG	involving plane . apes. riangles.	School Holidays (SDDs)
	1										