## Turramurra High School - 2020 - Year 8 - Scope and Sequence

Term 1

_	Week 1		Wee	k 2	Week	3	We	ek 4	W	eek 5		Week 6		We	ek 7	v	/eek 8		Week 9		Week 10	)	v	Veek 11
		Rationa Irratio Numb	al vs mal oers	Rational vs Irrational Numbers						Ratio and Rates							Algebraic Techniques							
av				MA4 5	MA4 5NA, MA4 9NA, MA4 12MG, MA4 1WM, MA4 2WM, MA4 3WM				MA4 7NA, MA4 1WM, MA4 2WM, MA4 3WM						Week	MA4 8NA, MA4 1WM, MA4 2WM, MA4 3WM								
Australia Day Public Holiday P P Y	Years 7, 11, 12 Whole School		Swimming Carnival TB	<ul> <li>Under</li> <li>Connectory out</li> <li>Investir</li> <li>rounding</li> <li>Use a or</li> <li>with dector</li> <li>Investir</li> <li>numbers</li> <li>Investir</li> <li>square root</li> </ul>						se and solve p range of prob ne use of digit ate, interpret gate and calcu	problem lems inv tal tech and an ilate bes	ns involvin volving ra nologies alyse grap st buys	ng simple atios and phs from	ratios rates, with authentic c	and lata		Alternative Assessment V	Operates with algebraic expressions involving positive-integer and zero indices, and establishes the meaning of negative indices for numerical bases   Recognise like terms and add and subtract them to simplify algebraic expressions  Extend and apply the distributive law to the expansion of algebraic expressions  Factorise algebraic expressions by identifying numerical factors  Factorise algebraic expressions by identifying numerical factors					teger and ices for plify of algebraic I factors factors	
								1																

## Term 2

Week 1		W	Week 2		Week 3	Week 4	Week 5	Week 6		Week 7	Week 8	Week 9	Week 10	
	Equations MA4 10NA, MA4 11NA, MA4 1WM, MA4 2WM, MA4 3WM Solve simple linear equations			Equations - continued		Linear Relationshships				Linear F	Relationships	Right-Angled Triangles (Pythagoras)		
							-			MA4 11NA, MA	44 1WM, MA4 3WM	MA4 16MG, MA4	1WM, MA4 2WM	
			ival TBC						lay	Review negative substitution.	numbers and algebraic	Investigate Pythagoras' theorem and its application to solving simple problems involving right-angled triangles.		
s. D. D.	Solve linear equations using algebraic tech and verify solutions substitution	Solve linear equations sing algebraic techniques nd verify solutions by ubstitution Solve simple quadratic quations Solve linear equations sing graphical techniques		Athletics Carr		Study Skills and Revision/Semester 1 Exams			Graph and analy	se linear relationships	☑ Investigate the concept of irrational numbers.			
	Solve simple quade equations													
	Solve linear equation using graphical tech													
					NAPLAN									

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week	9	Week 10
	Percer	ntages and Financial Ma	thematics	Proba	bility	Data Collection and					
	M	44 5NA, MA4 6NA, MA4 MA4 2WM, MA4 3W	1WM, M	MA4 21SP, MA4 2WM,	MA4 1WM, MA4 3WM	MA4 19SP, MA4 2					
S. D.	<ul> <li>Find percentages percentage of anot technologies.</li> <li>Solve problems ir percentage increas digital technologies and Services Tax (G technologies</li> <li>Investigate and ca of digital technolog</li> <li>Solve problems ir use of digital technologies</li> </ul>	of quantities and expres her, with and without the volving the use of perce es and decreases, with a local local local local string and without the alculate 'best buys', with ies volving profit and loss, ologies.	is one quantity as a le use of digital intages, including ind without the use of id calculate the Goods ie use of digital and without the use with and without the	Describe events using exclusive 'or' (A or B bui 'or' (A or B or both) and Represent events in tw Venn diagrams and solv	language of 'at least', not both), inclusive 'and' vo-way tables and e related problems	MA4 1959, MA4 2 Investigate techniques sampling and observation Explore the practicalities ampling using a variety I Identify and investigate from primary and secon Construct and compare leaf plots and dot plots sets of data and interpreters of data and interpreters and median Investigate the effect of the mean and median Describe and interpreters Explore the variation of drawn from the same point and the same point and second s	oby, what I WM, WA 22 for collecting data, inclu- es and implications of ol- of investigative process- e issues involving numer dary sources e a range of data display Calculate mean, median et these statistics in the of of individual data values, data displays using mea- of means and proportion opulation	www, wid4 swin uding census, btaining data through es rical data collected rs, including stem-and- r, mode and range for context of data , including outliers, on an, median and range is of random samples	Year 8 Camp		Alternative Assessment Week
		2									

## Term 4

2020 Year 8 Scope and Sequence

1 School Photos

2 Maths Competition