Turramurra High School - 2020 - Year 7 - Scope and Sequence

Term 1

	Week 1		Week 2			Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10	Week 11	
S. D. D.	**Years 7, 11 ,12**	**Whole School**	**Immersion Week**	**Swimming Carnival**	**Immersion Week**	Computation with integers			Introduction to Pronumerals		**Year 7 Camp**	Angle Relationships	**Study Techniques and Term 1 Assessment**	**Angle Relationships continued**	**Good Friday**

Computation with integers	Introduction to Pronumerals	Angle Relationships
MA4 1WM, MA4 2WM, MA4 3WM, MA4 4NA, MA4 9NA	**MA4 8NA**	**MA4 18MG, MA4 1WM, MA4 2WM, MA4 3WM**
"Apply the associative, commutative and distributive laws to aid mental and written computation. Carry out the four operations with rational numbers and integers, using efficient mental and written strategies and appropriate digital technologies. Order of operations involving integers BIDMAS."	Introduce pronumerals as preparation for applic Understand basic algebraic abbreviations Perform algebraic substitution Solve simple equations by substitution	Use the language, notation and conventions of Geometry. Recognise the geometrical properties of angles at a point. Identify corresponding, alternate and co-interior angles when two lines are crossed by a transversal. Investigate conditions for two lines to be parallel. Solve simple numerical problems (no reasons).

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Term 2

	Week 1		Week 2	Week 3	Week 4	Week 5	Week 6	Week 7		Week 8	Week 9	Week 10
S.D.D.	**Algebraic Techniques and Equations**	**Athletics Carnival**	**Algebraic Techniques and Equations** **MA4 8NA, MA4 1WM, MA4 2WM, MA4 3WM** Simplify algebraic expressions involving the four operations. Create algebraic expressions and evaluate them by substituting a given value for each variable. Solve simple one- and two-step equations		**Semester 1 Assessment**	**Properties of Geometric Figures 1** **MA4 17MG, MA3 15MG, MA4 1WM, MA4 2WM, MA4 3WM** Recognise and name the 6 special quadrilaterals. Demonstrate that the angle sum of a triangle is 180° and use this to find the angle sum of a quadrilateral. Identify and name parts of a circle and related lines, including arc, tangent, chord, sector and segment. Classify triangles according to their side and angle properties		**Queens Birthday**	**Properties of Geometric Figures 1**	**Understanding fractions, percentages and decimals** **MA4 5NA, MA4 1WM, MA4 2WM, MA4 3WM** Find a fraction, decimal, percentage of a quantity. Express one quantity as a fraction, decimal, percentage of another. Round decimals to a specified number of decimal places. Connect fractions, decimals and percentages and carry out simple conversions.		

NAPLAN

Term 3

	Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
	Measurement and Decimals					**Computation with fractions**			**Measurement: Circles**	

MA3 7NA, MA4 12MG, MA4 13MG, MA4 1WM, MA4 3WM, MA4 2WM	

MA3 7NA, MA4 12MG, MA4 13MG, MA4 1WM, MA4 3WM, MA4 2WM	MA4 5NA, MA4 1WM, MA4 2WM, MA4 3WM	MA4 12MG, , MA4 1WM, MA4 2WM
Please Note: This topic is designed to cover both decimals and measurement. In finding perimeters and areas students will need to be able to perform operations with decimals. Find the perimeters of a range of plane shapes including: parallelograms, trapeziums, rhombuses, kites and simple composite figures. Convert from one unit to another for length units. Choose appropriate units of measurement for area. Establish formulas for areas of rectangles, triangles and parallelograms and use these in problem solving. Add, subtract, multiply (and possibly divide) decimals.	Solve problems involving addition and subtraction of fractions, including those with unrelated denominators. Multiply and divide fractions using efficient written strategies and digital technologies.	Investigate the relationship between features of circles, such as the circumference, radius and diameter; use formulas to solve problems involving circumference. Introduce the concept of a rational number through the discovery of π.

S.D.D.

(markers: 3, 4, 5)

Term 4

Week 1	Week 2	Week 3	Week 4	Week 5	Week 6	Week 7	Week 8	Week 9	Week 10
		Linear Relationships			**Time**	**Probability**			
		MA4 11NA, MA4 1WM, MA4 2WM, MA4 3WM			MA4 15MG, MA4 1WM, MA4 2WM	MA4 21SP, MA4 1WM, MA4 2WM, MA4 3WM			
Study Skills and Revision	**Semester 2 Assessment**	Given coordinates, plot points on the Cartesian plane, and find coordinates for a given point. Describe translations, reflections in an axis, and rotations of multiples of 90° on the Cartesian plane using coordinates. Identify line and rotational symmetries.			Solve problems involving duration, including using 12-hour and 24-hour time within a single time zone	Construct sample spaces for single-step experiments with equally likely outcomes. Assign probabilities to the outcomes of events and determine probabilities for events. Identify complementary events and use the sum of probabilities to solve problems.	Revision and prep for Year 8	Year 7 Water safety and survival	Revision and prep for Year 8	School Holidays (SDDs)

(marker: 6)