

Turramurra High School - 2021 - 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	
School holidays	27/1	28/1	29/1	1/2	3/2	8/2		15/2		22/2		1/3		8/3		15/3		22/3			29/3
	SDD 1	SDD 2		Immersion Week	Swimming Carnival	Immersion Week	Topic 1: Computation with positive integers				Topic 2: Introduction to Pronumerals		Topic 3: Angles	Year 7 Camp	Topic 3: 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 positive integers, using efficient mental and written strategies and appropriate digital technologies. Investigate index notation and represent whole numbers as products of powers of prime numbers Order of operations involving integers BIDMAS."				Introduce the concept of variables as a way of representing numbers using letters. Introduce pronumerals as preparation for application in Geometry Create algebraic expressions and evaluate them by substituting a given value for each variable		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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Good Friday

Term 2

Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10			
19/4	26/4			3/5			10/5	17/5		24/5		31/5		7/6			14/6	21/6			
S.D.D.	Topic 4: Computation with integers		Athletics Carnival	Topic 4 cont'd		Topic 5: Algebraic Techniques and Equations	Semester 1 Assessment	Topic 5 continued: Algebraic Techniques and Equations				Topic 6: Understanding fractions, percentages and decimals				Queens Birthday	Topic 6 continued		Topic 7: Properties of Geometric Figures 1		
	MA4 1WM, MA4 2WM, MA4 3WM, MA4 4NA, MA4 9NA							MA4 8NA, MA4 1WM, MA4 2WM, MA4 3WM	MA4 8NA, MA4 1WM, MA4 2WM, MA4 3WM				MA4 5NA, MA4 1WM, MA4 2WM, MA4 3WM						MA4 17MG, MA3 15MG, MA4 1WM, MA4 2WM, MA4 3WM		
	"Introduce negative integers and perform all the operation from topic 1.								Extend and apply the laws and properties of arithmetic to algebraic terms and expressions. Simplify algebraic expressions involving the four operations.				Recognise that the place value system can be extended beyond hundredths						Classify triangles according to their side and angle properties		
	Investigate index notation and represent whole numbers as products of powers of prime numbers								Create algebraic expressions and evaluate them by substituting a given value for each variable. Solve simple linear one-step equations				Compare fractions using equivalence; locate and represent positive and negative fractions and mixed numerals on a number line						Identify line and rotational symmetries		
	Use index notation with numbers to establish the index laws with positive-integer indices and the zero index												Find a fraction, decimal, percentage of a quantity.						Demonstrate that the angle sum of a triangle is 180° and use this to find the angle sum of a quadrilateral.		
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Term 3

Week 1		Week 2		Week 3		Week 4		Week 5		Week 6		Week 7		Week 8		Week 9		Week 10	
12/7		19/7		26/7		2/8		9/8		16/8		23/8		30/8		6/9		13/9	
S.D.D.	Topic 7: Properties of Geometric Figures 1			Topic 8: Computation with fractions					Topic 9: Measurement and Decimals										
	MA4 17MG, MA3 15MG, MA4 1WM, MA4 2WM, MA4 3WM			MA4 5NA, MA4 1WM, MA4 2WM, MA4 3WM					MA3 7NA, MA4 12MG, MA4 13MG, MA4 1WM, MA4 3WM, MA4 2WM										
	Classify triangles according to their side and angle properties			Solve problems involving addition and subtraction of fractions, including those with unrelated denominators.					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.										
	Identify line and rotational symmetries			Multiply and divide fractions using efficient written strategies and digital technologies.					Add and subtract decimals, with and without the use of digital technologies, and use estimation and rounding to check the reasonableness of answers										
	Demonstrate that the angle sum of a triangle is 180° and use this to find the angle sum of a quadrilateral.								Multiply decimals by whole numbers and perform divisions by non-zero whole numbers where the results are terminating decimals, with and without the use of digital technologies										
		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		Week 11	
4/10	11/10	18/10	25/10	1/11	8/11	15/11	22/11	29/11	6/12	13/12											
Public Holiday	Topic 10: Time		Semester 2 Assessment	Topic 11: Linear Relationships				Topic 12: Measurement: Circles				Topic 13: Probability				Year 7 Water safety and survival	Revision and prep for Year 8 & Calculator skills. Review equations	SDD			
	MA4 15MG, MA4 1WM, MA4 2WM			MA4 11NA, MA4 1WM, MA4 2WM, MA4 3WM				MA4 12MG, , MA4 1WM, MA4 2WM				MA4 21SP, MA4 1WM, MA4 2WM, MA4 3WM									
	Solve problems involving duration, including using 12-hour and 24-hour time within a single time zone			Given coordinates, plot points on the Cartesian plane, and find coordinates for a given point.				Identify and name parts of circles				Construct sample spaces for single-step experiments with equally likely outcomes.									
	Solve problems involving international time zones			Describe translations, reflections in an axis, and rotations of multiples of 90° on the Cartesian plane using coordinates.				Investigate the concept of irrational numbers, including .				Assign probabilities to the outcomes of events and determine probabilities for events.									
								Investigate the relationship between features of circles, such as the circumference, radius and diameter; use formulas to solve problems involving circumference.				Identify complementary events and use the sum of probabilities to solve problems.									
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