

TERM 3	Week 1 4 days	Week 2 5 days	Week 3 5 days	Week 4 5 days	Week 5 5 days	Week 6 5 days	Week 7 5 days	Week 8 5 days	Week 9 5 days	Week 10 4 days	Week 11 5 days
Hours per topic	8 hrs.		9 hrs.		9 hrs.		13.5 hrs.			8 hrs.	
% Coverage	6.9 (56.9%)		2.4 (59.3%)		2.5 (61.8%)		13.2 (75%)				
Topic, concepts, skills and values	FORMAL ASSESMENT TASK PROJECT N.B The project must cover a combination of topics from Term 1 to Term 3 and must be completed before the end of Term 3.	ALGEBRAIC EXPRESSIONS Expand and simplify algebraic expressions - Use commutative, associative and distributive laws for rational numbers and laws o exponents to: - Add and subtract like terms in algebraic expressions - Multiply integers and monomials by: - monomials - binomials - trinomials - Divide the following by integers or monomials: - monomials - binomials - trinomials - Simplify algebraic expressions involving the above operations - Determine the squares, cubes, square roots and cube roots of single algebraic terms or like algebraic terms - Determine the numerical value of algebraic expressions by substitution	ALGEBRAIC EQUATIONS Equations - Use substitution in equations to generate tables of ordered pairs - Extend solving equations to include: - using additive and multiplicative inverses - using laws of exponents	GEOMETRY OF STRAIGHT LINES Angle relationships - Recognize and describe pairs of angles formed by: - perpendicular lines - intersecting lines parallel lines cut by a transversal Solving problems - Solve geometric problems using the relationships between pairs of angles described above	GEOMETRY OF 2D SHAPES Classifying 2D shapes - Identify and write clear definitions of triangles in terms of their sides and angles, distinguishing between: - equilateral triangles - isosceles triangles - right-angled triangles Constructions PROVIDE LEARNERS WITH ACCURATELY CONSTRUCTED FIGURES TO INVESTIGATE THE PROPERTIES OF TRIANGLES Investigating properties of geometric figures - Investigate the angles in a triangle, focusing on: - the sum of the interior angles of triangles - the size of angles in an equilateral triangle - the sides and base angles of an isosceles triangle Classifying 2D shapes - Identify and write clear definitions of quadrilaterals in terms of their sides and angles, distinguishing between: - parallelogram - rectangle - square - rhombus - trapezium - kite Constructions PROVIDE LEARNERS WITH ACCURATELY CONSTRUCTED FIGURES TO INVESTIGATE THE PROPERTIES OF QUADRILATERALS Investigating properties of geometric figures			REVISION	FORMAL ASSESMENT TASK TEST All term 3 topics		

					- Investigate sides and angles in quadrilaterals, focusing on: - the sum of the interior angles of quadrilaterals - the sides and opposite angles of parallelograms Solving problems - Solve geometric problems involving unknown sides and angles in triangles and quadrilaterals, using known properties and definitions. Similar and congruent 2D shapes - Identify and describe the properties of congruent shapes - Identify and describe the properties of similar shapes Solving problems - Solve geometric problems involving unknown sides and angles in triangles and quadrilaterals, using known properties and definitions.		
Prerequisite skill/pre-knowledge		- Recognize and interpret rules or relationships represented in symbolic form - Identify variables and constants in given formulae and/or equations	- Write number sentences to describe problem situations - Analyse and interpret number sentences that describe a given situation - Solve and complete number sentences by: - inspection - trial and improvement - Determine the numerical value of an expression by substitution. - Identify variables and constants in given formulae or equations	- Definitions of: - Line segment - Ray - Straight lines - Parallel lines - Perpendicular lines	- Describe, sort, name and compare triangles according to their sides and angles, focusing on: - equilateral triangles - isosceles triangles - right-angled triangles - Describe, sort, name and compare quadrilaterals in terms of: - length of sides - parallel and perpendicular sides - size of angles (right-angles or not) - Describe and name parts of a circle - Recognize and describe similar and congruent figures by comparing: - shape - size		