

TERM 4	Week 1 5 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 3 days
Hours per topic	9 hrs.		9 hrs.		9 hrs.		4.5 hrs.	8 hrs.	
% Coverage	9.4 (84.4%)		4.7 (89.1%)		10.9 (100%)				
Topic, concepts, skills and values	GRAPHS Interpreting graphs - Analyse and interpret global graphs of problem situations, with special focus on the following trends and features: - linear or non-linear - constant, increasing or decreasing - maximum or minimum - discrete or continuous Drawing graphs - Draw global graphs from given descriptions of a problem situation, identifying features listed above - Use tables or ordered pairs to plot points and draw graphs on the Cartesian plane		THEOREM OF PYTHAGORAS Develop and use the Theorem of Pythagoras - Investigate the relationship between the lengths of the sides of a right-angled triangle to develop the Theorem of Pythagoras - Determine whether a triangle is right-angled triangle or not if the lengths of the three sides of the triangle is known Use the Theorem of Pythagoras to calculate the missing length in a right-angled triangle, leaving irrational answers in surd form.		AREA AND PERIMETER OF 2-D SHAPES Area and perimeter - Use appropriate formulae to calculate perimeter and area of: circles - Calculate the areas of polygons, to at least 2 decimal places, by decomposing them into rectangles and/or triangles - Use and describe the relationship between the radius, diameter and circumference of a circle in calculations - Use and describe the relationship between the radius and area of a circle in calculations Calculations and solving problems - Solve problems, with or without a calculator, involving perimeter and area of polygons and circles to at least 2 decimal places - Use and describe the meaning of the irrational number Pi (π) in calculations involving circles - Use and convert between appropriate SI units, including: $mm^2 \leftrightarrow cm^2 \leftrightarrow m^2 \leftrightarrow km^2$		REVISION	FORMAL ASSESMENT TASK EXAMINATION PAPER 1 AND PAPER 2 All topics from Term 1- 4	
	Prerequisite skill/pre-knowledge		Knowledge of squares and square roots of whole numbers	- Geometry of 2-D shapes - Algebraic equations - Calculate the squares, cubes, square roots and cube roots of rational numbers					