

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%)		6.2 (90.6%)		9.4 (100%)				
Topics, concepts and skills	TRANSFORMATION GEOMETRY Transformations Recognize, describe and perform transformations with points, line segments and simple geometric figures on a co-ordinate plane, focusing on: – reflection in the x-axis or y- axis – reflection in the line $y = x$ – translation within and across quadrants		AREA AND PERIMETER OF 2-D SHAPES • Use appropriate formulae and conversions between SI units, to solve problems and calculate perimeter and area of: – polygons – circles		SURFACE AREA AND VOLUME OF 3-D OBJECTS • Use appropriate formulae and conversions between SI units to solve problems and calculate the surface area, volume and capacity of: – rectangular prisms – triangular prisms – cylinders		REVISION	FORMAL ASSESSMENT TASK EXAMINATION PAPER 1 AND PAPER 2 All topics from Term 1- 4	
Prerequisite skill or pre-knowledge	• Translations, reflections, rotations enlargements and reductions with geometric figures and shapes on grid paper		• Determine whether a triangle is a right-angled triangle or not if the length of the three sides of the triangle are known • Use the Theorem of Pythagoras to calculate a missing length in a right-angled triangle, leaving irrational answers in surd form • Use of appropriate formulae to calculate perimeter and area of polygons to include circles to at least 2 decimal places and convert between appropriate SI units, including and up to km^2 • Calculate perimeter and area of complex figures		• Use of appropriate formulae to calculate the surface area, volume and capacity of cubes and rectangular prisms • Describe the interrelationship between surface area and volume of the objects mentioned above • Use and convert between appropriate SI units, including: – $\text{mm}^2 \leftrightarrow \text{cm}^2 \leftrightarrow m^2 \leftrightarrow \text{km}^2$ – $\text{mm}^3 \leftrightarrow \text{cm}^3 \leftrightarrow \text{m}^3$ – $ml (\text{cm}^3) \leftrightarrow l \leftrightarrow kl$				