

Wk 15 03/01/2024	16.3 Angles in circles 1	Understand, prove and use facts about angles subtended at the centre and the circumference of circles. Understand, prove and use facts about the angle in a semicircle being a right angle. Find missing angles using these theorems and give reasons for answers.
Wk 16 08/01/2024	16.4 Angles in circles 2	Understand, prove and use facts about angles subtended at the circumference of a circle. Understand, prove and use facts about cyclic quadrilaterals. Prove the alternate segment theorem.
	16.5 Applying circle theorems	Solve angle problems using circle theorems. Give reasons for angle sizes using mathematical language. Find the equation of the tangent to a circle at a given point.
Wk 17 15/01/2024	7.5 Sectors of circles	Calculate the perimeter and area of semicircles and quarter circles. Calculate arc lengths, angles and areas of sectors of circles.
	7.6 Cylinders and spheres	Calculate volume and surface area of a cylinder and a sphere. Solve problems involving volumes and surface areas.
Wk 18 22/01/2024	7.7 Pyramids and cones	Calculate volume and surface area of pyramids and cones. Solve problems involving pyramids and cones.
Trial Exams		
Wk 20 05/02/2024	19.4 Exponential functions	Recognise graphs of exponential functions. Sketch graphs of exponential functions.
	19.5 Non-linear graphs	Calculate the gradient of a tangent at a point. Estimate the area under a non-linear graph.