

Year 10 Foundation A Scheme of learning 2023-2024 - Term 3

Stretch key learning in italics

Topic	Key learning	Mathswatch Clips	⊗	☹	😊
Sequences	Find the next term in a sequence, including negative values	37			
	Find the nth term of a linear sequence	102			
	Use the nth term of a sequence to generate terms	103			
	Solve problems using nth terms	103			
Perimeter, area and volume 2	Find the area and circumference of a circle	117 & 118			
	Sketch nets of cuboids and prisms	44			
	Calculate perimeters and areas of composite shapes made from circles and parts of circles				
	Calculate arc lengths, angles and areas of sectors of circles	167			
Indices and standard form	Use index laws to simplify	82			
	Convert between standard form and ordinary numbers	83			
	<i>Add, subtract, multiply and divide numbers in standard form</i>	83			
	<i>Use a calculator with standard form</i>	83			
May half term					
Mocks 2 weeks					
Statistics and sampling	Recognise types of data: primary secondary, quantitative and qualitative	63			
	Find averages from a list and tables including grouped frequency tables	62, 65, 130a, 130b			
	<i>Understand how sources of data may be biased</i>	152			
	<i>Explain why a sample may not be representative of a whole population</i>	152			
Plans and elevations	Draw sketches of 3D solids				
	Know the terms face, edge and vertex	43			
	Identify and sketch planes of symmetry of 3D solids				
	Understand and draw front and side elevations and plans of shapes	51			
	Given the front and side elevations and the plan of a solid, draw a sketch of the 3D solid	51			
Summer holidays					