YEAR 9 DATES	Summer 2022			datio	n			
	UNIT / LESSON	PRIOR KNOWLEDGE		GRADE	OBJECTIVES	Corbett		
	6 Angles		FROM 2	<u>то</u> 5		Corbett		
		Be able to use a ruler and protractor.					1	
		Have an understanding of angles as a measure of turning.						
		Name angles and distinguish between acute, obtuse, reflex and right angles.						
		Recognise reflection symmetry, be able to identify						
		and draw lines of symmetry, and complete diagrams with given number of lines of symmetry.						
		Recognise rotation symmetry and be able to identify					-	
		orders of rotational symmetry, and complete						
		diagrams with given order of rotational symmetry.						
		Know the properties of special triangles and				uidee	description	
	6.1 Properties of shapes	ouadrilaterals. Identify lines of symmetry and rotational symmetry	2	3	Solve geometric problems using side and angle properties of	video		
20-Apr		in 2D shanes. Draw angles.			nuadrilaterals. Identify congruent shapes.		Angles in quadrilaterals Congruent shapes	316 + 317 line and rotational symmett
		Know that the angles in a quadrilateral sum to 360°.						
25-Apr	6.2 Angles in parallel lines	Identify parallel and perpendicular lines.	3	3	Understand and use the angle properties of parallel lines.	28 + 31	Drawing and measuring angles angles - parallel lines	
		Identify acute and obtuse angles.	-	-	Find missing angles using corresponding and alternate angles.			
	6.3 Angles in triangles	Identify different types of triangles.	2	3	Solve angle problems in triangles.		vertically opposite angles Angles - triangle	
		Know that the angles in a triangle sum to 180°.		-	Understand angle proofs about triangles.		types of angles	
		Decellate average of sides of different and service			Calculate the interior and exterior angles of secular advance		-	
2-May	6.4 Exterior and interior angles	Recall the number of sides of different polygons.	2	4	Calculate the interior and exterior angles of regular polygons.	32	angles polygons	
.,		Know the properties of special triangles and					1	
ł	6.5 More exterior and interior	ouadrilaterals. Recall the number of interior angles in different	2	5	Calculate the interior and exterior angles of polygons.		1	
	angles	polygons.		-		L	4	
		Identify exterior and interior angles.			Explain why some polygons fit together and some others do not			
	6.6 Geometrical patterns	Using angle facts to find missing angles.	3	5	Solve angle problems using equations.]	
	7 Averages and range	Write an equation to solve a problem.	1	4	Solve geometrical problems showing reasoning.		4	
	, Areiages and fallge	Calculate the midpoint of two numbers.	1				1	
		Draw the statistical diagrams in unit 3.]	
		Use inequality notation. Calculate the mode, median and the range.					-	
	7.1 Mean and range	Understand that sharing equally involves dividing a	2	3	Calculate the mean from a list and from a frequency table.		-	
9-May	, The second sec	total. Identify the mode.			Compare sets of data using the mean and range.	53,54 57	-	
	7.2 Mode, median and range	Identify the mode, median and range.	2	3	Find the mode, median and range from a stem and leaf diagram.			
		Identify an incorrect value.			Identify outliers.	170		
		Draw a stem and leaf diagram.			Estimate the range from a grouped frequency table.			
		Understand inequality notation.						
16-May	7.3 Types of average	Find the mode, median and mean.	1	3	Recognise the advantages and disadvantages of each type of average.			
					Find the modal class.		1	
	7.4 Estimating the mean	Calculate the value halfway between pairs of	4	4	Find the median from a frequency table. Estimate the mean of grouped data.	50/51	-	
23-May		numbers. Calculate the mean.		-		55		
		Read data from a frequency table.					-	
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6-Jun	7.5 Sampling	Understand the use of random numbers in a real-life situation.	3	3	Understand the need for sampling.	282		
I					Understand how to avoid bias.			
					onderstand now to avoid blas.		-	
	8 Perimeter, area and volume 1		2	5				
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	8 Perimeter, area and volume 1	Measure lines. Recall the names of 2D shapes.	2	5			-	
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	8 Perimeter, area and volume 1	Measure lines. Recall the names of 2D shapes. Identify and name common 3D solids: cubes, cuboids, prisms, cylinders, pyramids, cones and chares. Use strategies for multiplying and dividing by powers of 10. Find areas by counting squares and volumes by counting cubes.	2	5				
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13-Jun	8.1 Rectangles, parallelograms and triangles	Measure lines. Recall the names of 2D shapes. Identify and name common 3D solids: cubes, cubolids, prisms, cylinders, pyramids, cones and cohorse. Use strategies for multiplying and dividing by powers of 30. The strategies for multiplying and dividing by powers of solution of the strategies of the strategies of the counting cubes. Interpret scales on a range of measuring instruments. Convert metric units to metric cunits. Understand the meaning of 'perpendicular'. Work out the perimeter and area of triangles and	3	3	Calculate the perimeter and area of rectangles, parallelograms and triangles.	45,44,49		
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