



Year 7 : Support Scheme of Work for pupils working at Levels 2 and 3
 Shape, space and measures 1 (4 hours)

Lesson	Learning Objective	Learning Outcomes			Lesson strategies, activities and ideas	Resources
		Must	Should	Could		
1	To know the standard metric units of measurement. Measure and draw lines accurately.	Be able to measure and draw a line to the nearest cm	Be able to measure and draw a line to the nearest 5 mm	Be able to measure and draw a line to the nearest mm	Starter : TL4 Y7 - Lesson S1.1 starter activity Idea : Q&A session on which units would you use to measure...? See main activity in S1.1 until half-way down p. 4 Pupils could measure length of everyday objects to lead to a discussion re: degree of accuracy required. I TP : Ruler	PFWK y123 p. 77 PFWK y456 p. 90, 92 TL4 Y7 - Lesson S1.1 OHT S1.1a, 1.1b
2	To understand concept of perimeter and calculate perimeters of squares and rectangles	Understand perimeter and find by counting along a length of a square or rectangle.	Find perimeter by addition of 4 labelled sides of square or rectangle.	Measure and find a perimeter by addition. Find perimeter of a rectangle given just length and width. Perimeter of polygons, with all side lengths labelled.	I TP : Polygon	PFWK y456 p. 96 S/board p.107-9, 112 TL4 Y7 S1.1c



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3	To understand concept of area. To calculate area by <u>counting squares only</u> .	Calculate area by counting whole squares only. Know that area is measured in squared units (cm ²)	Calculate area by counting whole and half square	Distinguish between the terms area and perimeter by finding both measurements and the correct units for the same shape.	I TP : Area Plenary idea : Draw as many shapes as you can with an area of 12 squares	PFWK y456 p. 96 S/board 124 -126 TL4 Y7 -OHT S1.2b TL4 Y7 -OHT S1.2d (for 'Could' pupils) Cm squared paper is on OHT S1.3a
4	Calculate an area by counting squares from diagrams drawn to scale.	Draw a rectangle, given length and width in whole cm, on to cm ² paper. Count squares to find the area.	Measure the length and width of a rectangle and copy onto squared paper, count squares to find the area.	Measure the length and width of a rectangle and copy onto squared paper, count squares to find the area and calculate perimeter	I TP : Area	PFWK y456 p. 96 S/board p. 128, p129 ('could' pupils)