Year 5 Area, Perimeter and Volume Learning Journey

Ready to Progress
Non-statutory guidance for key skills and knowledge needed
Resources, ideas and assessment questions available in the Maths Guidance NCETM

Year 4 Prior Learning	Year 5	NCETM
Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.	Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres	
✓ Calculate the perimeter of rectangles (including squares) when dimensions are known.	✓ Calculate the perimeter of composite shapes when dimensions are known.	
✓ Measure and calculate the perimeter of 2D shapes when dimensions are unknown.	✓ Measure and calculate the perimeter of composite shapes when dimensions are unknown.	
✓ Solve problems involving perimeter.	✓ Solve problems involving perimeter.	
Find the area of rectilinear shapes by counting squares	Calculate and compare the area of squares and rectangles including using standard units, square centimetres and square metres and estimate the area of irregular shapes.	
✓ Find the area of rectangles (including squares) by counting squares.	✓ Calculate the area of squares	
✓ Find the area of other rectilinear shapes by counting squares.	✓ Calculate the area of rectangles	
✓ Solve problems involving area.	✓ Estimate the area of irregular shapes	
	Estimate volume (e.g. using 1cm^3 blocks to build cubes and cuboids) and capacity (e.g. using water)	

Tanya Naylor