Dereham Church Infant and Nursery School- Mathematics



Year group: 2

temperature Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels Compare and order lengths, mass, volume/capacity and record the results using >, < and =

Area/topic: Mathematics- mass, capacity and

Prior Jearning	Future learning
In Year one children completed a block of learning	This learning will be used and applied to solve
on mass, capacity and temperature. Non	more complex 2 step problems. They will look at
standard units were used to measure. Children	mass, capacity and temperature further in year 3.
had many opportunities to compare and describe	
mass, volume and capacity.	

What pupils need to know or do to be secure	
Key knowledge and skills	Possible evidence
To compare mass	Photos of using balancing scales
To measure in grams	Opportunities to weigh items
To measure in kilograms	Weigh a range of items
Four operations with mass	Solve word problems
To compare volume and capacity	Opportunities to explore with vessels
To measure in millimetres	Use a selection of containers to measure
To measure in litres	Read and interpret a selection of scales
Four operations with volume and capacity	Solve word problems
Temperature	Take temperatures in different areas

Key vocabulary		
Mass, heavier, lighter, balance, gram,		
kilogram, volume, capacity, millilitres,		
litres, thermometer, temperature,		
Common misconceptions		Books linking to this area
Children may not be able to use balance so example, they may place the objects on one	U	A house for birdie
centre, meaning that the scales cannot be used to accurately compare the masses.		Sam and Dave dig a hole
Children may think that the larger the object, the greater its mass must be.		Room for Ripley
Children may not understand the difference and grams	between kilograms	
Children may think it is impossible to comp two different-sized/shaped containers.	are the capacities of	
Memorable first hand experiences		Opportunities for communication
Many opportunities to measure using a ran	ge of apparatus.	Completing sentence stems provided by White Rose
		Reasoning their ideas and thinking
		Partner and group work

DCINS Reasonable adjustments for pupils with SEND

Communication and Interaction	Cognition and Learning
Use a range of visual aids	Check understanding regularly
Give clear instructions one at a time	Allow rest breaks
Repetition	Give thinking time
Provide simple instructions Pre teach vocabulary	Colour code signs that could be confusing Work checklists
Use working wall where modelling is displayed	Break down tasks into small steps
Give children thinking time Model task	Give opportunities for over-learning
Social, Emotional and Mental health	Sensory and Physical
Allow access to a quiet and calm space	Consider carpet space position
Give child a special role to increase self esteem	Reduce background noise
Provide a visual support-what to do if you are	Provide a range of manipulatives- dienes may be
stuck	too small
Provide a movement break	Appropriate seating
	Wobble boards
Seat pupil by more confident peer	
Seat pupil by more confident peer Now and next board	Writing slope
	Writing slope Enlarge text
Now and next board	o 1