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| **Learners are able to: :** | **Nursery**   * Compare, sort and order two objects or more in terms of size, weight or capacity by direct observation | **Reception**   * Use direct comparisons with: * Length, height and distance *e.g. longer/shorter than* * Weight/mass e.g. heavier/lighter than * Capacity *e.g. holds more/less than* | **Year 1**   * Use non-standard units to measure: * Length, height and distance * Weight/mass * Capacity | **Year 2**   * Use standard units to measure: * Length, height and distance: metres, half metres or centimetres * Weight/mass: kilograms or 10 gram weights * Capacity: litres * Use symbols related to length, weight/mass and **capacity** |
| **Use measuring skills**  **Length, weight/mass, capacity** | **Capacity**   * Stories and songs * Vocabulary – ‘full’ and ‘empty’ * Free play in the water area – filling and emptying pots, overflowing, nearly full… * Which one is full? * Pour from one pot to another * Directly compare two objects – holds more/less water * Order objects according to how much water they hold by estimating and measuring * Which one holds the most water? * How do you know? Overflowing * Make/collect objects that hold more water than \_\_\_ * What holds more water than \_\_\_? * Directly compare and order various bottles and containers – tall, narrow, wide * Conservation of capacity * Play with measurers, funnels and various beakers | | * Non-standard measuring – use a variety of non-standard objects e.g. egg cup, yogurt pot, spoon * Estimate first and then check * Order objects according to their capacity * Compare containers e.g. where would the level of the water be if I poured this into that? * How many \_\_\_ will fill\_\_\_? * Will this bottle hold three egg cups of water? * Which bottle will hold \_\_\_ yogurt pots? * What happens when I pour this bottle into the bowl? * Make a container out of clay that will hold 2 yogurt pots of water * Does this hold 2 yogurt pots of water? * See the need for standard units e.g. yogurt pots of various sizes * Introduce 100ml – estimate 100ml. What holds the same as/more than/less than 100ml? * Make a collection of objects that hold 100ml/more than 100ml/less than 100ml * Make a container out of clay to hold 100ml * Read measurers accurately. Select an appropriate measurer e.g. beaker, measuring cylinder – up to 100ml * Look at the divisions. Measure various liquids to the nearest 10ml * Pour 100ml of water into this bottle and describe what you see * Word problems (+, - , x, ÷) up to 100ml * Introduce 1 litre – awareness of the capacity of 1 litre * 10x 100ml = 1 litre = 1000ml * Find bottles that are 1 litre/more than 1 litre/less than 1 litre. How many yogurt pots fill a 1 litre bottle * Estimate and measure capacity up to 1 litre * Make/collect containers that hold \_\_\_ ml (over 100ml) \_\_\_ litre(s) * Measure to the nearest 100ml * Estimate and measure with a litre cylinder – (look at the divisions) to the nearest 100ml * Mark capacity on a picture of a container/beaker * Mark where 1 litre would be on the bucket * Select appropriate equipment to measure capacity. Which measurer is the best to measure \_\_\_? * Order various units of measurement – does this jug hold 100ml, 1 litre or 10 litres? | |