|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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?
 |