

# Let's measure!

Maths

Year 1

Lesson 4 of 5

<b>Learning Objective</b>	<b>Resources</b>	
To explore the volume and capacity of objects.	Slides Vocabulary Cards 4A/4B Challenge Cards 4A Sets of five sealed bottles Challenge Cards 4B/4C (FSD...? activity only) Jugs and containers (FSD...? activity only) Water, sand or rice (FSD...? activity only) Photo Sheet 4A	
<b>Mental Oral Starter</b>		
<ul style="list-style-type: none"> <li>Show the children the images on the slide. How have the objects been sorted?</li> </ul>		
<b>Teaching Input</b>		
<ul style="list-style-type: none"> <li>Show the children the two drinks bottles on the slide. Which one is full? Which one is empty? What unit of measure do we use to measure the amount of liquid inside something?</li> <li>Go through the explanation on the slide about volume, capacity, millilitres and litres.</li> <li>Show the children the three jugs on the slide. Challenge the children to order them from empty to full. How would they describe the middle jug?</li> <li>Show the children the five bottles on the slide. How have they been ordered? Can children use vocabulary like full, empty, half full, quarter full?</li> </ul>		
<b>Main Activity</b>		
Fill several sets of five sealed identical bottles, e.g. recycled water bottles, with water. Each set should have a full, empty, half-full, quarter-full and three-quarter-full bottle. Challenge the children to order the bottles from empty to full. Then working in pairs get the children to pick one bottle and see if their partner can ask questions to work out the bottle that has been chosen.		
<u>Lower ability:</u>  Provide the children with Vocabulary Cards 4A. Challenge the children to match the vocabulary cards to the bottles.	<u>Middle ability:</u>  Provide the children with Vocabulary Cards 4B. Challenge the children to match the vocabulary cards to the bottles.	<u>Higher ability:</u>  Provide the children with Challenge Cards 4A. Challenge them to create their own vocabulary cards for each of the bottles and then complete the challenges on their cards.
<b>Fancy something different...?</b>		
<ul style="list-style-type: none"> <li>Provide children with Challenge Cards 4B/4C (depending on ability) and a range of jugs with measurements, containers and water or pourable solids like sand or rice.</li> <li>Challenge the children to complete as many of the challenges as they can in the time given.</li> </ul>		
<b>Plenary</b>	<b>Assessment Questions</b>	
Show children the jug on the slide. This jug is half full. It has a capacity of 100ml. How much liquid is in it?	<ul style="list-style-type: none"> <li>Can children identify how full a container is?</li> <li>Can children use the language of capacity?</li> <li>Can children order containers by direct comparison?</li> </ul>	