



Mathematics Medium Term Plan

Year 2 Spring Term Unit 4 Mass, Capacity and Temperature

**Focus**

Mass, Capacity and Temperature

**Time**

3 weeks

**NC**

Choose and use appropriate standard units to estimate/measure length/height in any direction (m/cm), mass (g/kg), temperature ( $^{\circ}\text{C}$ ) and capacity (l/ml) to the nearest appropriate units using rulers, scales, thermometers and measuring vessels.

Compare and order lengths, mass, volume/capacity, and record the results using  $<$ ,  $>$  and  $=$

**Times Tables**

5x table – recall, multiples, missing numbers, division

**Concept Sequence**

Compare mass of different objects using balance scales using  $<$  and  $>$ , then order objects based on mass.

Measure in grams (balance scales then standard weighing scales) – apply counting in 2s 5s 10s to read scales, they should see a variety of scales with different intervals. Feel the mass of gram weights to aid estimation.

Measure mass in kg – apply counting in 2s 5s 10s to read scales. Feel the mass of 1kg weight to aid estimation.

Four operations with mass.

Compare volume and capacity - use  $<$ ,  $>$  and  $=$ . Know capacity is the amount a container can hold. Volume is the actual amount in the container. Use language  $\frac{1}{4}$ ,  $\frac{1}{2}$ ,  $\frac{3}{4}$  to describe and compare. Opportunities for practical investigation.

Introduce ml. Use selection of different measuring cylinders/jugs to practice measuring in ml. Estimate for unlabelled containers, then check with measuring cylinders.

Introduce measuring in litres. Recognise the difference between measuring in l and ml and when it is more efficient to use litres. Estimate and check using measuring cylinders.

Four operations with volume and capacity.

Introduce temperature, thermometer, degrees centigrade  $^{\circ}\text{C}$ . Know temperature is higher when it is warmer. Apply counting in 2s 5s 10s when reading scales.



**New Vocabulary**

Temperature, Degree  
Millilitre, contains  
gram

**Existing Vocabulary**

Kilogram, half kilogram  
Weigh, weighs, balances, scales  
Heavy, light, heaviest, lightest, heavier than, lighter than  
Litre, half litre  
Capacity, volume  
Full, empty, more than, less than, half full, quarter full, three quarter full  
Holds, container

**Resources**

Objects to weigh, Balancing Scales, Weighing scales  
Measuring cylinders/jugs, Unlabelled containers  
Thermometers  
Working Wall - Vocabulary cards  
Gordons Maths Games, Mathletics, TTRockstars  
BBC Super Movers  
<https://www.bbc.co.uk/teach/supermovers/ks1-maths-collection/z6v4scw>



**Planning Links**

Maths No Problem/Aspire Maths  
White Rose Scheme of Work:  
<https://assets.whiterosemaths.com/new-schemes/Year%202%20Spring%20Block%204%20SQL%20Mass%20capacity%20and%20temperature.pdf>