



Mathematics Medium Term Plan

Year 3 Spring Term Unit 4 Mass and Capacity

Focus

Mass and Capacity

Time

3 weeks

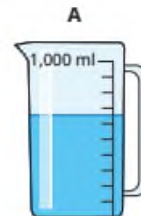
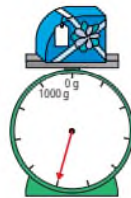
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Measure, compare, add and subtract: mass (kg/g); volume/capacity (l/ml)

Times Tables

8x table (link 4x) - Recall multiples, missing numbers, division

Fractions



Concept Sequence

Use scales – focus on dividing 100 into 2/4/5/10 equal parts using number lines. Extend this to other multiples of 100.

Measure mass in g – builds on KS1 but to 1000g. When reading scales, work out missing intervals.

Measure mass in kg and g eg. 2kg 500g (not in decimal form until Y4).

Equivalent masses – kg and g. 1kg is equivalent to 1000g. Make link with halves and quarters.

Compare mass. Use symbols and vocabulary of comparison.

Add and subtract mass. Use bar models and part whole models. Make links with mental arithmetic.

Measure capacity and volume in ml. Capacity refers to maximum amount of liquid a container can hold whereas volume refers to a specific amount in a container. Address misconception that taller containers will have a greater capacity.

Measure capacity and volume in litres and ml eg. 5 l 400 ml (not decimals).

Equivalent capacities and volumes – litres and ml. 1 l = 1000 ml. Make links with halves and quarters.

Compare capacity and volume. Use symbols and vocabulary of comparison.

Add and subtract capacity and volume.

Vocabulary

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

Planning Links

Maths No Problem/Aspire Maths/Power Maths/Target Maths
White Rose Scheme of Work:
<https://assets.whiterosemaths.com/new-schemes/Year%203%20Spring%20Block%204%20SOL%20Mass%20and%20capacity.pdf>

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>

