MASS and CAPACITY

KNOWLEDGE ORGANISER

Year 3

Love of Learning

Overview

In mass and capacity, we learn to:

-Compare Mass -Measure Mass

-Compare Volume -Measure Capacity

-Compare Capacity -Temperature

-Add/Subtract Mass -Add/Subtract Capacity

This learning is important because it helps us to understand and measure the weight and volume of things in the world around us. We will be able to live healthy lifestyles, as we will be more aware of healthy body weight and food/ drink quantities.

Mass

-When we measure mass, we find how heavy or light something is.

A gram (g) is a small unit of measurement that we can use to measure how heavy or light something is.

The objects on the left would normally be measured in grams.

1000 grams (g) = 1 kilogram (kg)

A kilogram (kg) is a larger unit of measurement that we can use to measure how heavy or light something is.

The objects on the left would normally be measured in kilograms.

Capacity

-Capacity is the amount of liquid that a container can hold.

-Volume is the amount of liquid in a container. The volume can change.

Small amounts of liquid are measured in millilitres. We write this as ml.

We can use small measuring cylinders to measure in millilitres.

The items on the left are measured in millilitres.

1000 millilitres (ml) = 1 litre (l)

Larger amounts of liquid are measured in litres. We write this as ml.

We can use measuring jugs to measure in litres.

The items on the left are measured in litres.

Adding and Subtracting Mass and Capacity

Adding and Subtracting Mass

We should use the knowledge that 1000 grams = 1 kilogram when adding and subtracting mass.

700g + 400g = 1kg 100g

1kg – 200g = 1000g – 200g = 800g

Adding and Subtracting Capacity

We should use the knowledge that 1000 grams = 1 kilogram when adding and subtracting capacity.

900ml + 600ml = 1l 500ml

1l 200ml – 400g = 1200ml – 400ml = 800ml

Key Vocabulary

Mass	Gram	Kilogram	Lighter	Heavier	Capacity	Volume	Litre	Millilitre	Addition	Subtraction	Measure