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**E3 - Session ideas**

Adding lengths, capacities and weights and comparing.

Introduce standard units e.g. km, m, cm, mm. Convert units e.g. How many kg is 2500 g? Change 410 cm into m and mm.

Compare different standard units e.g. Which is longest, 4.2 m, 395 cm or 4050 mm?

Introduce perimeter and measure the perimeter of simple shapes.

Introduce measuring instrument – what would we use to measure ….?

Reading scales – e.g. rulers, analogue scales, thermometer.

Introduce scale on thermometer. Measure temperatures in different areas, compare temperatures. Compare average temperatures of different countries.

**E3 - Skilled areas**

3.1 Add lengths, capacities and weights and compare the total to another total or a requirement

3.2 Convert standard units of length, capacity and weight

3.3 Compare and order lengths, capacities and weights in different standard units

3.4 Measure the perimeter of a simple shape

3.5 Choose an appropriate measuring instrument

3.6 Read values from an appropriate scale

3.7 Read and compare temperature including temperature with negative values

**E2 – Session Ideas**

Introduce units of length, capacity, weight. Find them in catalogues (e.g. furniture measurements), food/drink labels. Compare e.g. amount of sugar in drinks/chocolate bars.

Compare lengths e.g. measure heights of students and order them. Measure everyday objects/outdoors. Compare and order them.

Measure smaller everyday objects, lengths of string, lines with a ruler, compare and order them. Draw given lengths with a ruler.

Estimating weight, capacity or length of items e.g. matching pictures to measurements.

**E2 - Skilled areas**

2.1 Choose appropriate standard units of length, capacity and weight

2.2 Compare and order lengths, capacities and weights in the same units

2.3 Select a possible length, capacity or weight for a given item

2.4 Measure or draw a length using a ruler

2.5 Estimate the weight, capacity or length of given items

**E1 – Skilled areas**

1.1 Compare lengths, heights, weights and capacities

1.2 Give the length of a line drawn on a centimetre grid

1.3 Describe capacity in fractions

**E1 - Session ideas**

Compare heights of students – order in line from tallest to shortest.

Use bucket scales to compare weights of items.

Make sentences (cards with ‘is longer than’, ‘is shorter than’, ‘is heavier than’, ‘is lighter than’ etc. and cards with pictures of items or actual objects to choose two randomly and put the correct card in between to make a sentence e.g. the snake is longer than the mouse.

Draw lines on a cm grid to a given length, measure lines by counting cm squares.

Water play (or use dry rice) – full, half-full, empy.

**Resources**

Objects for counting e.g. counters

Numicon

Base Ten

Number lines/grids

Board games/cards

Dice

Rulers, tape measures, balance scales, jugs

**Learning Beyond the Classroom**

Shopping

Comparing measures in Lunch in Unit

Measuring lengths of school field etc.

Comparing measures in small animals, work experience, craft activities