Units of Measure Home Information Sheet

Second Level (b)

I can use my knowledge of the sizes of familiar objects or places to assist me when making an estimate of measure.

MNU 2-11a

I can use the common units of measure, convert between related units of the metric system and carry out calculations when solving problems.

NMU 2-11b

Over the next few weeks we are going to be learning to:

- Calculate the difference between our estimates and our measurements
- Practise estimating to improve accuracy
- Read scales, including those where each calibration is not labelled
- Solve "real life" problems involving measurement by adding, subtracting, multiplying and dividing, changing all measurements to common units where necessary
- Give a clear written or verbal account of how a problem was solved, including all relevant calculations

Here are some ideas of how you can help me at home!

Millimetres in the kitchen Explain that the building trade use mm as the standard unit. Ask children to look at the cupboards in their kitchen. Using an estimate reference (e.g. visualising a 30 cm ruler or knowing that the longer side of a piece of A4 paper is about 30 cm), ask them to estimate and then measure the size of the kitchen cupboards. They record the different dimensions in cm and then convert to mm. Back in class they compare their results.

Lighter or heavier than they look? Ask children to look at home and find some objects which are small in size but heavy, and some which are light but big in size. They record each item and an estimate of its weight. Back in class they compare and share their findings.

Confusing or not *containers* Ask children to look around the home, select some objects and decide whether it is easy or difficult to estimate the capacity, They note down or draw the object and say why they think its capacity is easy or difficult to estimate. For example, A tall narrow glass is hard – you might think it holds more than it really does. A milk carton is easy; you know it holds a litre.

Imperial search Ask children to look for items around the house that show imperial volumes or capacities. They record the item, its imperial capacity and work out the metric equivalent. (The volume/capacity of some items will be given in both imperial and metric units.) Back in class they compare and share their findings.

Here are some websites that you may find useful to use with me!

Weigh it up -
http://www.bgfl.org/bgfl/custom/resources_ftp/client_ftp/ks2/maths/weigh/1c.htm

Estimate and Measure -
http://www.compasslearningodyssey.com/sample_act/math_k/grade/subject/mak_04_03_03.html