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| **Steps 0-3** | **Babies’ early awareness of shape, space and measure grows from their sensory awareness and opportunities to observe objects and their movements, and to play and explore.** **Measures*** **Shows an interest in objects of contrasting sizes in meaningful contexts.**
* **Begins to use the language of size.**
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| **Steps 4 - 6** | * **Explore differences in length**
* **Orders two or three items by length**
* **In meaningful contexts find the longer or shorter of two items.**
* **Children use everyday language to talk about distance**
* **Enjoys tackling problems involving prediction and discussion of comparisons of length paying attention to fairness and accuracy.**
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| **Y1** | **Compare, describe and solve practical problems for lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]****Measure and begin to record lengths and heights** |
| **Y2** | **Choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm)** |
| **Y3** | **Measure, compare, add and subtract: lengths (m/cm/mm)****Measure the perimeter of simple 2-D shapes** |
| **Y4** | **Convert between different units of measure [for example, kilometre to metre]****Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres****Find the area of rectilinear shapes by counting squares****Estimate, compare and calculate different measures** |
| **Y5** | **Convert between different units of metric measure (for example, kilometre and metre;****centimetre and metre; centimetre and millimetre)****Understand and use approximate equivalences between metric units and common imperial units such as inches****Measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres****Calculate and compare the area of rectangles (including squares), and including using****standard units, square centimetres (cm2) and square metres (m2) and estimate the area of****irregular shapes** |
| **Y6** | **Solve problems involving the calculation and conversion of units of measure, using decimal****notation up to three decimal places where appropriate****Use, read, write and convert between standard units, converting measurements of length****from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to****three decimal places****Convert between miles and kilometres****Recognise that shapes with the same areas can have different perimeters and vice versa****Recognise when it is possible to use formulae for area and volume of shapes****Calculate the area of parallelograms and triangles** |