**Step 4 and 5 – Measurement**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Curriculum Statement** | **Step 4** |  | **Curriculum Statement** | **Step 5** |
| Convert between analogue and 12-hour digital clocks. | I can convert between analogue and digital time for 12-hour clocks. |  | Read and write and convert time between analogue and digital 12- and 24-hout clocks. | I can convert between analogue and digital time for 24-hour clocks. |
| Know the number of seconds in a minute and the number of days in each month, year and leap year. | I can say how many seconds there are in a minute, how many days in each month, year and leap year. |  | Convert from larger to smaller units of time. | I can use multiplication to convert from larger units of time to smaller ones. |
| Become confident in exchanging between £ and p when handling money. | I can convert an amount from pence into £ and p. |  | Record money using decimal notation. | I can use decimal notation to write amounts of money. |
| Record measurements in mixed units. | I can write measurements using a mixture of units, for example m and cm. |  | Convert from larger to smaller units of metric measure. | I can use multiplication to convert from larger units of measure to smaller ones. |
| Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours; use vocabulary such as o’clock, am/pm, morning, afternoon, noon and midnight. | I can read time to 1 minute and show these on a clock. |  | Read time from analogue and digital 12- and 24-hout clocks.  Write time from analogue and digital 12- and 24-hout clocks. | I can read and show times on a 24-hour clock. |
| Tell and write the time from an analogue clock including using Roman numerals from I to XII and 12-hour and 24-hour clocks. | I can read time from a clock with Roman numerals. |
| Continue to choose the appropriate tools and units when measuring, selecting from a wider range of meaures. | I can choose the appropriate measuring equipment for a task. |  | Estimate and compare different measures including money. | I can compare different measures by size. |
| Measure the perimeter of 2D shapes.  Measure the distance around shapes in the classroom and outside environment. | I can measure the perimeter of simple shapes and objects. |  | Measure the perimeter of a rectilinear shape. | I can measure the perimeter of more complex shapes. |
|  | Calculate the perimeter of a rectilinear figure. | I can calculate the perimeter of rectangles. |
|  |  |  | Find the area of rectilinear shapes by counting squares and relate to multiplication arrays. | I can count squares to find the area of a shape. |
| Compare durations of events. | I can work out differences in times that are greater than 1 hour. |  | Continue to solve problems relating to the duration of events. | I can work out differences in times from a timetable. |
| Continue to solve problems involving combinations of coins and notes.  Add and subtract amounts of money to give change, recording £ and p separately. | I can solve problems with money involving both notes and coins, finding totals and change. |  | Calculate with money in pounds and pence. | I can solve money problems, working out how much I can afford to buy. |
| Measure, compare, add and subtract lengths (m/cm/mm), mass (kg/g); capacity (ml/l). | I can solve problems involving adding and subtracting measures in the same units. |  | Calculate with different measures.  Continue to solve problems involving mixed units of length, mass and capacity. | I can solve problems involving measures with different units. |