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| **Year 1 - Building and assessing the conceptual understanding and learning – Measurement** | | | | | |
| **End of Year Expectations:**  Compare, describe and solve practical problems for:   * Lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half) * Mass or weight (e.g. heavy/light, heavier than, lighter than) * Capacity/volume (full/empty, more than, less than, quarter) * Time (quicker, slower, earlier, later) +   Measure and begin to record the following:   * Lengths and heights * Mass/weight * Capacity and volume * Time (hours, minutes, seconds) * Recognise and know the value of different denominations of coins and notes * Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening * Recognise and use language relating to dates, including days of the week, weeks, months and years * Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times. | | | **Non-statutory guidance:**  Pupils move from using and comparing different types of quantities and measures using non-standard units, including discrete (e.g. counting) and continuous (e.g. liquid) measurement, to using manageable common standard units.  In order to become familiar with standard measures, pupils begin to use measuring tools such as a ruler, weighing scales and containers.  Pupils use the language of time, including telling the time throughout the day, first using o’clock and then half past. | | |
| **Autumn** | | **Spring** | | | **Summer** |
| * Compare lengths and heights (e.g. long/short, longer/shorter, tall/short, double/half) , Mass or weight (e.g. heavy/light, heavier than, lighter than), Capacity/volume (full/empty, more than, less than, quarter), Time (quicker, slower, earlier, later) * Estimating lengths, heights, mass, weights, capacity and time * Check estimates with non-standard measures * Comparing non-standard measures (e.g. the difference between a teacher’s hand span and a doll’s hand span) * Sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening * Recognise and use language relating to dates, including days of the week, weeks, months and years   Where possible make links to understanding of number and calculation. | | * Recognise and know the value of different denominations of coins and notes (1p, 2p, 5p,10p, 20p, 50p, £1, £2, £5, £10, £20)   Where possible make links to understanding of number and calculation.  **See NCETM “Teaching for Mastery” Year 1 book – measurement.**  https://www.ncetm.org.uk/public/files/23305594/Mastery\_Assessment\_Y1\_Low\_Res.pdf | | | * Time (hours, minutes, seconds)   Measure and begin to record the following:   * Lengths and heights * Mass/weight * Capacity and volume   Where possible make links to understanding of number and calculation. |
| **Key questions:**   * Can I compare lengths and heights, using the language of comparison? * Can I compare mass or weight, using the language of comparison? * Can I compare capacities of containers etc., and talk about the internal space of something using the language of comparison? * Can I estimate and check lengths and heights using non-standard measures? * Can I compare parcels and objects by weight, estimating and checking the weight of things using non-standard measures? * Can I compare the capacity of containers, estimating and then checking with non-standard measures? * Do I recognise the need for standard measures? * Can I sequence events in chronological order? * Do I understand the concept of time and how it passes irreversibly? * Do I understand about measures of time, such as days, weeks, months, years, seasons? | **Key questions:**   * Do I understand that coins and notes have different values? * Do I recognise and know the value of different denominations of coins and notes (1p, 2p, 5p,10p, 20p, 50p, £1, £2, £5, £10, £20) | | | **Key questions:**   * Do I understand the concept of telling the time and measuring durations in time with clocks and timers? * Can I measure durations in time using timers and clocks? (seconds, minutes, hours)? * Can I tell the time using an analogue clock (hours and half hours) * Can I draw the hands on a clock to show hour and half hour times? * Can I compare lengths and heights to 1m * Can I measure and begin to record lengths and heights using metres or centimetres * Can I compare the weight of things in relation to 1 kg / ½ kg? * Can I weigh and record things in grammes (up to 100g)? * Can I compare quantities of liquid to a litre / ½ litre? | |