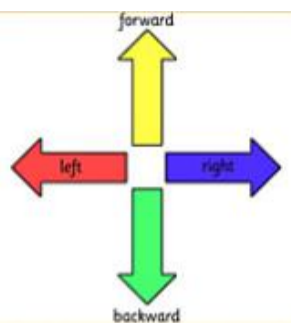# St Anne's Primary School Maths Progression: MEASUREMENT

## Reception ← Nursery

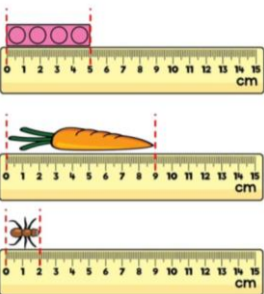- Use everyday language to talk about size, weight, capacity, position, distance, time and money.

- Compare quantities and objects to solve problems.

- Make comparisons between objects relating to size, length, weight and capacity.

- Measure and begin to record:
  - lengths and heights,
  - mass/weight
  - capacity and volume
  - time

## YEAR 1

- Compare, describe and solve practical problems for:
  - lengths and heights (for example, long/short, longer/shorter, tall/short, double/half)
  - mass/weight (for example, heavy/light, heavier than, lighter than)
  - capacity and volume (for example, full/empty, more than, less than, half, half full, quarter)
  - time (for example, quicker, slower, earlier, later)

- Choose and use standard units of measure.

- Combine amounts.
- Find different combinations of same amounts.
- Read time to the nearest minute.

- Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times
- Recognise and know the value of different denominations of coins and note

- Solve simple problems including money and time.
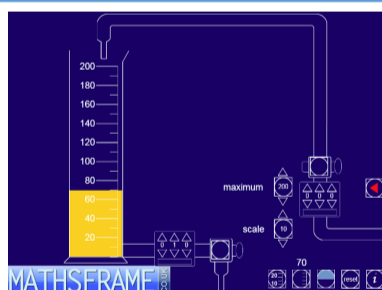
## YEAR 2

## Vocabulary

Length, Width, Height, Capacity, Perimeter, Area, Measure, Unit, Millilitres, Litres, Grams, Smallest, Centimetre, Tallest, Kilograms, Weight, Mass, Metre

- Measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)
- Recognise all coins and that the decimal point separates pounds and pence.
- Tell and write the time from an analogue clock, including using Roman numerals from I to XII, and 12-hour and 24-hour clocks

## YEAR 3

- Measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres.
- Write amounts of money using decimal notation.
- Recognise that one hundred 1p coins equal £1 and that each coin is $\frac{1}{100}$ of £1.
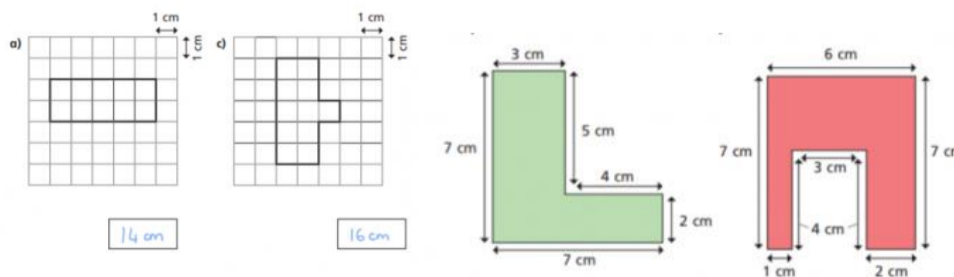
- Measure the perimeter of simple 2-D shapes
- Add and subtract amounts of money to give change, using both £ and p in practical contexts

- Estimate and read time with increasing accuracy to the nearest minute; record and compare time in terms of seconds, minutes and hours.

- Estimate, compare and calculate different measures, including money in pounds and pence.
- Know area is a measure of surface within a given boundary.

## YEAR 4

- Read, write and convert time between analogue and digital 12- and 24-hour clocks.

- Solve problems involving the calculation and conversion of units of measure, using decimal notation up to three decimal places where appropriate.

- Use, read and write standard units of length and mass.
- Measure/calculate the perimeter of composite rectilinear shapes.
- Calculate and compare the area of rectangle, use standard units square centimetres (cm2) and square metres (m2) and estimate the area of irregular shapes.

## YEAR 5 → YEAR 6

- Use all four operations to solve problems involving measure using decimal notation, including scaling.

- Calculate differences in temperature, including those that involved a positive and negative temperature.