Maths – Measures
The Federation of Nettlestone & Newchurch

Maths - Measures					
Year 1	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
• **I can compare, describe and solve practical problems for lengths and heights e.g. long/short, longer/shorter, tall/short, double/half** • **I can compare, describe and solve practical problems for mass/weight e.g. heavy/light, heavier than, lighter than** • **I can compare, describe and solve practical problems for capacity and volume eg. full/empty, more than, less than, half, half full, quarter** • **Compare, describe and solve practical problems for time e.g. quicker, slower, earlier, late** • I can measure and begin to record the following: Lengths and heights Time (hours, minutes, seconds) Mass/weight	• **I can solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change.** • I can compare and order lengths, mass, volume/capacity and record the results using >, < and = • I can compare and sequence intervals of time • I can find different combinations of coins that equal the same amounts of money • I can choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); • I can tell and write the time using quarter past/to the hour and draw the hands on a	• **I can measure, compare, add and subtract: lengths (m/cm/mm); mass (kg/g); volume/capacity (l/ml)** • **I can add and subtract amounts of money to give change, using both £ and p in practical contexts** • **I can 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 use vocabulary such as a.m/p.m, morning, noon, midnight • I can measure the perimeter of simple 2-D shapes • I can know the number of seconds in a minute and the number of days in each month, year and leap year	• **I can convert between different units of measure <eg>kilometre to metre; hour to minute</eg>** • I can measure and calculate the perimeter of a rectilinear figure (including squares) in centimetres and metres • I can solve simple measure and money problems involving fractions and decimals to two places • I can estimate, compare and calculate different measures, including money in pounds and pence • I can estimate, compare and calculate different measures, including money in pounds and pence • I can read, write and convert time between	• **I can convert between different units of metric measure (for example, kilometre and metre; centimetre and metre; centimetre and millimetre; gram and kilogram; litre and millilitre)** • **I can measure and calculate the perimeter of composite rectilinear shapes in centimetres and metres** • **I can 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** • I can solve problems involving converting between units of times. • I can use all four operations to solve	• **I can use, read, write and convert between standard units, converting measurements of length, mass, volume and time from a smaller unit of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places.** • I can recognise that shapes with the same area can have different perimeters and vice versa. • I can recognise when it is possible to use formulae for area and volume of shapes. • I can solve problems involving the calculation and conversion of units of measure to a larger unit, and vice versa, using decimal notation to up to three decimal places.

Time (minutes) Capacity and volume Time (seconds) - I can recognise and use language relating to dates, including days of the week, weeks, months and years - I can recognise and know the value of different denominations of coins and notes - I can sequence events in chronological order using language such as: before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening - I can measure and begin to record the following: - I can tell the time to the hour and half past the hour and draw the hands on a clock face to show these times - I can recognise and know the value of different denominations of coins and notes	clock face to show these times - I can recognise the number of minutes in an hour and the number of hours in a day - I can recognise and use symbols for pounds (£) and pence (p); combine amounts to make a particular value - I can choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature (°C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels - I can tell and write the time to five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times	- I can estimate and read time with increasing accuracy to the nearest minute - I can record and compare time in terms of seconds, minutes, hours and o'clock I can compare durations of events for example to calculate the time taken by particular events or tasks	analogue and digital 12 and 24-hour clocks - I can solve problems involving converting from hours to minutes; minutes to seconds; years to months; weeks to days	problems involving measure (e.g. length, mass, volume, money) using decimal notation including scaling. - I can estimate volume (e.g. using 1 cm^3 blocks to build cubes and cuboids) and capacity (e.g. using water) - I can understand and use equivalences between metric units and common imperial units such as inches, pounds and pints.	- I can calculate the area of parallelograms and triangles. - I can calculate, estimate and compare volume of cubes ad cuboids using standard units, including centimetre cubed (cm^3) and cubic metres (m^3), and extending to other units such as mm^3 and km^3. - I can convert between miles and kilometres.