# Curriculum Road Map

## Maths – measurement, geometry and statistics

### EYFS

| Skills | Knowledge | Challenge |
|---|---|---|
| Can recognise, create amd describe patterns<br>Can explore characteristics of every day objects and shapes and use mathematical language to describe them | Know every day language to talk about size, weight, capacity, position, distance, time and money to compare quantities and objects and to solve problems | Can estimate, measure, weigh, compare, and order objects and talk about properties, position and time |

### Year 1

| Challenge | Knowledge | Skills |
|---|---|---|
| Can explain what is the same and what is different about the shapes<br>Can make up their own sequence and extend it, describing the rule they're following<br>Can measure length, weight and capacity using non-standard units and describe some of the disadvantages of them<br>Can select correct coins to pay or an item (e.g. costing 23p and know that if they hand over a £5 note, they should get some change) | Know value of different denominations of coins and notes<br>Know the time to the hour and half past the hour and drawe the hands on a clock face to show these times<br>Know and recognise common 2D and 3D shapes<br>Know and describe position, direction and movement, including whole, half, quarter and three-quarter turns | Can compare, describe and solve practical problems for length and height, mass, weight, capacity and volume, time. Measure and begin recording to record the above.<br>Sequence events in chronological order using language of time<br>Recognise and use language relating to dates including days of the week, months and years |

### Year 2

| Skills | Knowledge | Challenge |
|---|---|---|
| Choose and use appropriate standard units to estimate and measure, compare and order length/height; mass; temperature; capacity to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels<br>Solve simple problems in a practical context involving addition and subtraction of money of the same unit<br>Identify and describe, compare and sort properties of 2D and 3D shapes (sides, line of symmetry, edges, vertices)<br>Interpret, construct ask and answer questions about pictograpms, tally charts, block diagrams and simple tables | Know, recognise and use symbols for pounds and pence; combine amounts to make a particular value and find different combinations of coins that equal the same amounts of money<br>Know, compare and sequence intervals of time<br>Know the number of minutes in an hour and the number ofh ours in a day<br>Know and write the time to five minutes, including qarter past/to the hour and draw the hands on a clock face to show these times<br>Know and use mathematical vocabulary to describe position, direction and movement | Read time on a clock to the nearest five minutes<br>Can read scales where not all numbers are given and estimate points in between<br>Describe similarities and differences of 2D and 3D shapes, using their properties (e.g. that a cube and a cuboid have the same number of edges, faces and vertices, but different dimensions) |

**End of KS1**