

What do your children do in Years 1 and 2?

- Develop confidence and mental fluency with whole numbers, counting and place value
- Develop the ability to recognise, describe, draw, compare and sort different shapes and use the related vocabulary
- Length, mass, capacity/volume, time and money
- Number bonds to 20
- · Read and spell mathematical vocabulary



The 3 Aims of the New Maths Curriculum

Fluency

pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.

- Problem Solving
- Reasoning



Progression in reasoning

Step 1: Describing

Step 2: Explaining

Step 3: Convincing

Step 4: Justifying

Step 5: Proving



Maths is for **everybody**

- the search for pattern
- the use of logic
- making predictions
- and generality



Mason and Johnston-Wilder, (2004) Fundamental constructs in Mathematics education































