

What We Cover

Maths classes ♦ 2026/2027

Knowmadic Tutoring runs two maths classes: **Year 1 Foundations** and **Year 2 Maths**. Both follow the National Curriculum for England. These pages show what each class covers, topic by topic.

Year 1 Foundations

For Year 2 children

Year 1 Foundations is for Year 2 children who need more support with the Year 1 maths curriculum. We go back over the Year 1 content carefully so that their foundations are solid and they can access the learning in Year 2.

Many children move into Year 2 with gaps in counting, number bonds or place value. Year 2 maths builds directly on these skills, so children who have not secured them can find the new learning very hard to follow. This class gives them the time to fill those gaps, so they are ready to move on with confidence.

■ Number and place value	- Counting to and across 100, forwards and backwards, from any number - Reading and writing numbers to 100 in numerals, and 1 to 20 in words - Counting in 2s, 5s and 10s - Finding one more and one less than a number - Showing numbers with objects, pictures and number lines - Using the words equal to, more than, less than, most and least
■ Addition and subtraction	- Reading and writing the +, – and = signs - Number bonds and the matching subtraction facts within 20 - Adding and subtracting one-digit and two-digit numbers to 20, including zero - Solving one-step problems and missing number problems, such as $7 = ? - 9$
■ Multiplication and division	Solving one-step problems using objects, pictures and arrays, as a first step towards grouping and sharing
■ Fractions	Recognising and finding a half and a quarter of a shape, an object or a quantity
■ Measurement	- Comparing and measuring length, height, mass, capacity and time - Recognising coins and notes and knowing their value - The days of the week, weeks, months and years, and putting events in time order - Telling the time to the hour and half past the hour
■ Geometry	- Recognising and naming common 2D shapes, such as circles, triangles and squares, and 3D shapes, such as cubes, cones and spheres - Describing position, direction and movement, including whole, half, quarter and three-quarter turns

Year 2 Maths

For Year 2 children

Year 2 Maths follows the Year 2 curriculum and is for children who are secure with the Year 1 content.

■ Number and place value	- Counting in steps of 2, 3 and 5 from 0, and in 10s from any number - Knowing the value of each digit in a two-digit number (tens and ones) - Reading and writing numbers to at least 100 in numerals and in words - Comparing and ordering numbers from 0 to 100 using $<$, $>$ and $=$ - Estimating and representing numbers in different ways
■ Addition and subtraction	- Knowing addition and subtraction facts to 20 fluently, and using them to work out related facts up to 100 - Adding and subtracting a two-digit number and ones, a two-digit number and tens, and two two-digit numbers - Adding three one-digit numbers - Understanding that addition can be done in any order but subtraction cannot - Using the inverse to check answers and solve missing number problems
■ Multiplication and division	- The 2, 5 and 10 times tables and their division facts - Recognising odd and even numbers - Writing calculations using $\times$, $\div$ and $=$ - Understanding that multiplication can be done in any order but division cannot - Solving problems using arrays, repeated addition and mental methods
■ Fractions	- Recognising and finding $\frac{1}{3}$, $\frac{1}{4}$, $\frac{2}{4}$ and $\frac{3}{4}$ of a length, a shape, a set of objects or a quantity - Writing simple fractions, such as $\frac{1}{2}$ of $6 = 3$ - Knowing that $\frac{2}{4}$ is the same as $\frac{1}{2}$
■ Measurement	- Measuring length (m and cm), mass (kg and g), temperature ($^{\circ}\text{C}$) and capacity (litres and ml) with rulers, scales, thermometers and jugs - Comparing and ordering measurements using $<$, $>$ and $=$ - Using $\pounds$ and p, making amounts with different coins, and working out change - Telling the time to five minutes, including quarter past and quarter to - Knowing there are 60 minutes in an hour and 24 hours in a day
■ Geometry	- Describing 2D shapes by their sides and lines of symmetry, and 3D shapes by their faces, edges and vertices - Finding 2D shapes on the faces of 3D shapes - Sorting and comparing shapes and everyday objects - Making patterns and sequences - Describing position, direction and movement, including clockwise and anticlockwise turns and right angles
■ Statistics	- Reading and making simple pictograms, tally charts, block diagrams and tables - Answering questions about the data, such as how many are in each group, which is the most or least, and totalling and comparing groups

Topics are based on the National Curriculum in England: mathematics programmes of study for key stage 1.