

OUR MATHEMATICS CURRICULUM

We all use mathematics every day, even if that's not what we call it. We check our change at the shops, work out how expensive the new carpet will be, decide when we need to leave the house to get to the airport. And at the other end of the spectrum, brilliant scientists are using mathematics to build the internet and help us understand the laws of the universe.

Our main aims are to encourage children to enjoy mathematics, to help children to feel secure enough to 'have a go' at problem solving – and, most importantly, help them to see how this learning is applied to 'real life' situations so they will be able to use the things they've learned when they grow up.

Daily lessons are usually taught in three parts:

- mental or oral starters where children practise mental skills as a whole class.
- main lesson part where children are introduced to and can practise new skills. This is taught either as a whole class or in groups
- plenary where challenges may be discussed and misconceptions addressed.

OUR CHILDREN ARE TAUGHT

To count and understand number: count simple units – and later, percentages and fractions

To know and using number facts: recall addition and subtraction facts, learning tables

To calculate: understand addition 'take away', multiply and divide in their heads, on paper (using calculators where appropriate)

To understand shape: look at, handle and describe the features of common shapes such as triangles, rectangles, squares, cubes, hexagons, pentagons, cylinders and spheres;

To measure: describe positions, directions and movements and right angles; work and measure with units of time, length, weight and capacity

To handle data: make lists, tables, graphs and charts, interpreting and predicting information from them