



Maths at Raeburn Primary School

Mathematics Intent

The intent of our Raeburn mathematics curriculum is to design a curriculum, which is accessible to all and will maximise the development of every child's ability and academic achievement. We deliver lessons following the White Rose scheme of work, which are creative and engaging. We want children to make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving increasingly sophisticated problems. We intend for our pupils to be able to apply their mathematical knowledge to other areas of the curriculum and the wider world. We want children to realise that mathematics has been developed over centuries, providing the solution to some of history's most intriguing problems. We want them to know that it is essential to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. As our pupils progress, we intend for our pupils to be able to understand the world, have the ability to reason mathematically, have an appreciation of power of mathematics, and a sense of enjoyment and curiosity about the subject.

Aims of Mathematics at Raeburn

The national curriculum for Mathematics aims to ensure that all pupils:

- o become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- o reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- o can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

Raeburn Calculations Policy

Our calculation policy has been developed and agreed after using the National Curriculum objectives and methods from the white rose scheme of work.

At Raeburn Primary School, we recognise that mathematics can only be used effectively when the child understands the methods and reasoning behind the problem. With our calculation policy, we can be confident throughout school, that the hard work we all put into

teaching the children each year to calculate, will be consolidated and extended the following year.

By agreeing on the use of strategies and mathematical language the children will be taught in a consistent way in all classes, developing their understanding as they progress through school. This will hopefully cause less confusion for the children and ensure they have the necessary strategies and scaffolding to enable them to solve mathematical problems.

Children will then be encouraged to use the calculation strategies they are secure with, whether done mentally or using pencil and paper methods.

Raeburn Maths Ambassadors

At Raeburn, we value the importance of mathematics and select Maths Ambassadors each year from year groups 2-6. The role of the ambassador is :

- To share a love of maths with their class.
- To celebrate achievements.
- To introduce competitions and new ideas.
- To raise the profile of maths in school.
- To lead activities relating to maths.
- To give the pupils in their class a voice and help them to share their ideas.
- To support other members of the school.
- To work with the Maths Team in school to provide the best learning opportunities for the children and staff.