Mathematics at Parkend

Intent
The 2014 National Curriculum for Maths aims to ensure that all children:

- Become fluent in the fundamentals of Mathematics
- Are able to reason mathematically
- Can solve problems by applying their Mathematics

At Parkend Primary, these skills, knowledge as well as facts are embedded within Maths lessons and developed consistently over time. We are committed to ensuring that children are able to recognise the importance of Maths in the wider world and that they are also able to use their mathematical skills and knowledge confidently in their lives in a range of different contexts. We want all children to enjoy Mathematics and to experience success in the subject, with the ability to reason mathematically. We are committed to developing children’s curiosity about the subject, as well as an appreciation of the beauty and power of Mathematics, as well as how it is essential to everyday life.

Implementation
Teachers reinforce an expectation that all children are capable of achieving high standards in Mathematics and this is planned for carefully using the White Rose as a base for planning, questioning and progression. As there are mixed aged classes, it is essential that the planning is precise and builds upon knowledge and skills for all children, regardless of their starting points.

*The White Rose Maths Hub (WRMH) planning is a national project designed to provide schools with the most up to date processes and procedures in Mathematics teaching and learning.*

We implement our methodology through, varied teaching approaches to accommodate the mixed age classes, delivering appropriately challenging work for all individuals, ensuring that correct vocabulary is applied and used in all lessons.
We use on the spot intervention through careful assessment during the lessons, this enables children to ‘Keep up and not Catch up’. Pupils are encouraged to support each other with an ‘everyone together’ vision, as well as be independent thinkers and develop resilience in their mathematical studies, as well as a pride and curiosity. Specific questioning and revisiting the key areas of maths is essential to ensure that children are embedding the knowledge they need to progress to the next stages of their learning.

Pupils actively take part in Times Tables Rock Stars each day and to support further we have a range of mathematical resources in classrooms including Numicon, Base10 and counters. We continuously strive to better ourselves and frequently share ideas and things that have been particularly effective. We also take part in training opportunities and local networking events. Through our teaching we continuously monitor pupils’ progress against expected attainment for their age, making formative assessment notes where appropriate and using these to inform our discussions in termly Pupil Progress Meetings and update our INSIGHT school tracker. The main purpose of all assessment is to always ensure that we are providing carefully planned provision for every child.

**EYFS**

Teaching within EYFS is aiming to nurture all children as confident, curious and capable mathematicians for the future. Teaching focuses on developing firm mathematical foundations in ways that are engaging and appropriate for their age. Daily opportunities are carefully planned, so that children can experience ‘hands on maths’ using real life resources.

**Impact**

Children enjoy mathematics and are becoming more resilient to challenges, take a pride in their work and achieving the best they can; this can be demonstrated in the outcomes for pupils; not only in EYFS, KS1 SATs and KS2 SATs but also in their books, their attitudes and curiosity for mathematics.
Pride ourselves, Achieve the best we can, Curious thinkers, Everyone together
The small school with BIG ideas