Acorn Education And Care

Outcomes First Group.

Parkside House School

KS2 Maths Curriculum Statement

Intent

Why do we teach this? Why do we teach it in the way we do?

Mathematics is an important creative discipline that helps us to understand and change the world. We want all pupils at Parkside House School to experience the beauty, power and enjoyment of mathematics and develop a sense of curiosity about the subject with a clear understanding. After all, *Maths is everywhere!*

We foster positive *can do* attitudes and we promote the fact that 'We can all do maths!' We believe all children can achieve in mathematics, and teach for secure and deep understanding of mathematical concepts through manageable steps. We use mistakes and misconceptions as an essential part of learning and provide challenge through rich and sophisticated problems.

We aim for all pupils to:

• become **fluent** in the fundamentals of mathematics so that they develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.

• be able to **solve problems** by applying their mathematics to a variety of problems with increasing sophistication, including in unfamiliar contexts and to model real-life scenarios

• **reason mathematically** by following a line of enquiry and develop and present a justification, argument or proof using mathematical language.

Implementation

What do we teach? What does this look like?

Our whole curriculum aims to enable all children, regardless of background, ability, additional needs, to flourish; to become the very best version of themselves they can possibly be. We teach the National Curriculum, supported by a clear skills and knowledge progression. This ensures that skills and knowledge are built on year-by-year and sequenced appropriately to maximise learning for all children.

We use the White Rose Maths scheme, which uses small steps and supports children in learning the fundamentals behind the meanings of numbers and exploring other key mathematical areas.

Support is determined during each lesson to ensure secure understanding based on the needs of the child. Challenge is visible throughout the whole session, where children are asked to reason and prove their understanding at a deeper secure level.

Impact

What will this look like? By the time children leave our school they will:

By the end of KS2 we aim for children to be **fluent** in the fundamentals of mathematics with the ability to recall and apply knowledge rapidly and accurately. They should have the skills to **solve problems** by applying their mathematics to a variety of situations with increasing sophistication, including in unfamiliar contexts and to model real-life scenarios. Children will be able to **reason** mathematically, by following a line of enquiry, and develop and present a justification, argument or proof using mathematical language.