



Intent, Implementation and Impact statement Maths

Intent

Mathematics is important in everyday life to develop an ability to solve problems, to reason, to think logically and to work systematically and accurately. All children are challenged and encouraged to excel in Maths. New mathematical concepts are introduced using a 'Concrete, Pictorial and Abstract' approach which enables all children to experience hands-on learning when discovering new mathematical topics, and allows them to have clear models and images to aid their understanding. Arithmetic and basic math skills are practised daily to ensure key mathematical concepts are fluent and embedded and children can recall this information rapidly. We make connections across the curriculum to enable children to see the links between maths skills taught in a maths lesson and application of the skills in different contexts.

Implementation

Maths at Powerstock

- Basic Maths skills are taught daily. Focussing on key mathematical skills including place value, the four operations and fractions.
- A range of reasoning resources are used to challenge all children and give them the opportunity to reason with their understanding.
- Close monitoring of maths skills, enable swift interventions to support children to be confident and ready for their next Maths lesson.
- Pre-teaching is used to bolster targeted children's confidence and knowledge to ensure a successful experience in a maths lesson.
- Children are taught through targeted, differentiated small groups and mixed ability whole class lessons.
- Lessons use a Concrete, Pictorial and Abstract approach to guide children through their understanding of mathematical processes.
- Revise and Review consolidation lessons are used to revisit previous learning and ensure Maths skills are embedded.
- Homework is set to develop and review children's learning.
- Where possible, links are made with other subjects across the curriculum.

Impact

As a result of our Maths teaching at Powerstock, you will see:

- Engaged children who are all challenged.
- Confident children who can all talk about Maths and their learning and the links between Mathematical topics.
- Lessons that use a variety of resources to support learning.
- Different representations of mathematical concepts.
- Learning that is tracked and monitored to ensure all children make good progress.
- Children that enjoy and value maths