



Mathematica – Intent, Implementation and Impact Statement

Intent

Mathematics is important in everyday life and children need to be equipped with the necessary skills to access opportunities as adults, with this in mind, the purpose of Mathematics at Blakedown CE Primary School is 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; enabling all children to experience hands-on learning when discovering new mathematical topics, and allowing them to have clear models and images to aid their understanding. Arithmetic, multiplication knowledge and basic math skills are practised daily and reinforced weekly to ensure key mathematical concepts are embedded and children can recall this information independently to see the links between topics in maths. Unlocking the potential in our children is fostered by our staff and encouraged in reaching the desired outcome.

Implementation

- Basic maths skills are taught daily. Focussing on key mathematical skills including place value, the four operations and fractions; in line with our school calculation policy.
- A range of reasoning resources are used to challenge all children and give them the opportunity to reason with their understanding. Teachers deliver lessons in line with the GLOW Mastery Maths approach with the support of WRMH to ensure a deepening of understanding.
- Fluency for maths sessions and immediate interventions are used to support children to ensure children are ready for their next maths lesson.
- TT Rock Stars is used to enable pupils to practise multiplication facts and opportunities for learning and practise is provided daily to support pupils' knowledge and recall.
- Children are taught through a variety of lesson approaches including, targeted differentiated small group and mixed ability whole class lessons.
- Lessons use a 'concrete, pictorial and abstract' approach to guide children through their understanding of mathematical processes.
- Pre-teaching and over-learning 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 most appropriate, links are made with other subjects across the curriculum and concepts within maths are also linked together.

Impact

As a result of our maths learning and teaching at Blakedown you will see:

- Engaged children who are all challenged and who enjoy and look forward to their maths lessons.
- 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 enabling all pupils to have access and be included.
- Different representations of mathematical concepts are evident in maths books.
- Learning that is tracked and monitored to ensure all children make good progress.