



Curriculum Statement 2022

Maths

Intent

At Bradfield CE Primary School, we believe that all areas of maths are an essential life skill and we are committed to enabling our children to become effective, accurate and efficient mathematicians and problem solvers. We aim to provide our children with a challenging and purposeful maths curriculum based on key skills and knowledge which are explored through real life contexts. Our maths curriculum places an emphasis on the mastery approach and so builds on itself incrementally throughout the school, giving children a chance to learn, practise, embed, apply and extend the new skills they have gained. They will become increasingly curious, resilient, independent and articulate in their maths learning and experiences.

Implementation

Our long-term maths plan is built on the National Curriculum (2014) statements and objectives and we use the structure and sequence of the White Rose Maths Hub framework. Lessons are taught daily using a variety of different approaches to ensure skills have been mastered:

- Concrete resources are used to support learners understanding of processes
- Pictorial approaches to help visualise maths – use of bar models
- Abstract methods taught consistently across school.

A typical lesson starts with a ‘Quick Maths’ activity to embed and apply previous learning and to recall facts from topics taught recently and from further in the past. The children are encouraged to use whiteboard pens to write on tables or boards and the teacher uses this as an AFL opportunity. Children are introduced to the Learning Intention for the lesson and RAG their initial thoughts and knowledge. The children work in mixed ability groups and choose their level of challenge and have a variety of appropriate scaffolds to allow all children to access the learning. Live marking from all adults ensures that children receive quick and timely feedback to address misconceptions or provide further challenge and ensure progress. Children have access to resources to help them with their learning and all agree that the Working Walls help them be more independent and confident with the work.

Impact

In recent pupil voice exercises, children at Bradfield CE Primary tell us that they enjoy maths lessons at school and feel that they are being appropriately challenged in their learning. They embrace challenge with a positive attitude and show tenacity in chewing through problems with enthusiasm. We have high expectations and provide opportunities for our learners to extend and challenge their knowledge and understanding. Our children will be fluent in the fundamentals of number and mathematics, be able to reason mathematically by following a line of enquiry and solve problems by applying their mathematics to a variety of problems increasing complexity.