

Brackenwood Infant School



Maths

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MATHS POLICY OVERVIEW

As Mathematicians at Brackenwood Infant School, children will develop the fluency, knowledge and understanding to use mathematics as a tool for everyday life. Practical experiences and a growth mindset will ensure a solid understanding is gained which will foster a life-long love of maths. As a school we believe that **all** children can succeed in Mathematics.

Our approach to the teaching of maths will be underpinned by the maths mastery model that is introduced in our Foundation Stage Classes and continued until the end of KS1. In addition, we ensure that maths is integrated into different activities throughout the day – for example, at registration and snack time – to familiarise children with maths language and make the most of the school day.

INTENT

Our maths teaching will:

- 1.** Be underpinned by research driven pedagogies.
- 2.** Enable all children to develop age and ability appropriate use of declarative, procedural and conditional knowledge of maths.
- 3.** Allow children to successfully complete all of the 6 key areas of Early Mathematical Learning: Cardinality and Counting, Comparison, Composition, Pattern, Shape and Space, Measures.
- 4.** Allow children to successfully complete all of the National Curriculum programs of study for their age and the NCETM's 'Ready to Progress,' outcomes.
- 5.** Assess what our children already know and enable them to successfully build on it.
- 6.** Be integrated into different activities throughout the day.
- 7.** Be well paced, interactive and purposeful.
- 8.** Include a range of high quality and targeted sessions to support children in consolidating and applying their mathematical understanding.
- 9.** Allow all children to become fluent in the mathematical fundamentals for their age and ability.
- 10.** Provide opportunities for children to develop effective learning behaviours and metacognitive abilities.
- 11.** Allow children to reason mathematically, communicate their thinking and prove their methods using a range of concrete and pictorial resources.
- 12.** Ensure that the teaching of maths allows all children to become successful and resilient mathematicians.

IMPLEMENTATION

- 1.** In EYFS, maths will be taught using the Maths Mastery Model and will be integrated into different activities throughout the day.
- 2.** Children in EYFS will have their own 'Maths Journal,' in which they will show their understanding of the 6 Key Areas of Mathematical Learning.
- 3.** Children will use manipulatives and concrete resources in every lesson to enable them to further develop their own understanding of mathematical concepts and knowledge.
- 4.** In Key Stage 1, the teaching and learning of maths will be driven by the pedagogies associated with the Maths Mastery Model.
- 5.** The school will use Power Maths scheme of work and resources as the prime driver for Maths Mastery, covering the expectations of the National Curriculum and the Ready to Progress criteria.

6. Teachers will incorporate discrete maths sessions, including arithmetic sessions, consolidation sessions or pre-teaching sessions as appropriate to the needs of their children.
7. Teachers will have high expectations for all children and work in lessons will build on previous learning to ensure progression in maths.
8. Children will be assessed regularly, in line with the school's assessment policy and procedures.
9. If appropriate, children requiring further support will be provided with high quality targeted support sessions, set out in PPAR (Pupil Progress and Attainment Review) Plans.
10. Home learning in maths will be provided weekly for all children and will follow the expectations set out on the school's 'Home Learning,' policy. IXL will be the main driver for home learning unless families require resources in a different format.
11. Metacognition and effective learning behaviour strategies will be included in the teaching and learning of maths and allow children to reason mathematical, communicate their thinking and prove their methods, confidently.
12. The school's assessment policy and procedures will be used effectively to ensure that all children including those with SEND are making good progress and achieving the highest standards for their ability.
13. The maths lead will ensure that appropriate CPD and support is provided to all members of staff.
14. The maths lead will monitor implementation of the subject across the school through a rigorous monitoring timetable which will include lesson visits, looking at planning, work scrutinies and interviewing pupils.

IMPACT

Through our well-planned and engaging maths curriculum, all children will gain a thorough understanding of all mathematical concepts appropriate for their age and ability. As mathematicians, our children will be able to reason mathematical, communicate their thinking and prove their methods with confidence and clarity. Through our well structured and personalised learning approaches to the teaching of maths, all children will experience consistently excellent, evidence-informed early years and primary provision that creates great opportunities for all children, whatever their background. As a result, all children will make good progress in maths from EYFS to the end of Key Stage 1.