

ST. BERNADETTE'S CATHOLIC PRIMARY SCHOOL

Mathematics Curriculum

Intent, Implementation and Impact



Learn to Love, Love to Learn

2022/2023



Intent

Mathematics teaching at our school aims to equip all children with life skills that help them to make sense of our world, give them the ability to solve problems, to reason and think logically, and work systematically and accurately. We want our pupils to experience success, so that they view mathematics with pleasure and confidence. Our curriculum allows children to build upon their prior knowledge, develop their mathematical vocabulary and embed knowledge and skills into their long-term memory. It is accessible and engaging for all pupils and they move through the curriculum at broadly the same pace whilst adopting a lifelong positive relationship with number. With those children who grasp concepts rapidly, rich and sophisticated problems are offered before any acceleration through new content, thus ensuring that depth takes precedence over breadth. We want our children to know that maths is essential to everyday life and instill in them the confidence that they need in order to become confident and resilient mathematicians, who are unafraid to take risks.

Implementation

- Our curriculum follows the 2014 National Curriculum, but is delivered through a blocking approach, which allows the pupils to immerse fully in the concepts being taught.
- Number is at the heart of our mathematics curriculum and a significant amount of time is spent reinforcing number in order to build competency. This enables the children to confidently access the rest of the curriculum.
- By using a variety of planning resources we believe that we provide a bespoke teaching and learning experience that is designed to interest, inform and inspire our children.
- Challenging and enjoyable mathematics lessons are taught daily, where questioning and modelling is placed at the centre.
- Children have the opportunity to develop their automatic recall of key facts through Key Instant Recall Fact (KIRF) starters. This includes recollection of the times tables.
- Children in KSI and EYFS develop their number sense through the Mastery Number Project.
- Concrete, Pictorial and Abstract (CPA) approach is used; enabling all children to experience hands-on learning when exploring new concepts, providing them with the scaffolding required to gain a deeper understanding of the concepts to which they are exposed.
- Flashback activities are incorporated into every lesson allowing teachers to revisit previously taught concepts and address any misconceptions and gaps in knowledge. This daily retrieval practice enables facts and skills to be embedded reducing cognitive load.



Impact

- Our mathematics curriculum supports children in becoming fluent and confident mathematicians.
- Children acquire core mathematical facts and an understanding of mathematical concepts, which they are then able to apply successfully and efficiently.
- Children become proficient at number, which then allows them to access the rest of the curriculum.
- Children demonstrate quick recall of facts and procedures.
- Throughout school children show a high level of pride in the work that they produce.
- Children leave school as confident and resilient mathematicians who are prepared for their future.