



## **Mathematics: Intent, Implementation and Impact Statement 2024-25**

### **Intent**

Mathematics is important in everyday life. It is used to analyse and communicate information and ideas and to tackle a range of practical tasks and real-life problems and, with this in mind, the purpose of Mathematics at St Cuthbert's Primary School is to develop an ability to solve problems, to reason, to think logically and to work systematically and accurately. Children are exposed to how Maths is used in a range of different industries and professions so that they have an awareness of the importance of having a good grasp of the subject. We also want the children to enjoy the subject and create opportunities for the children to 'play' with the subject and have the thrill of achieving and winning through using their mathematical skills. All children are challenged and encouraged to excel in Maths. Children engage with discussion about Maths, explaining their thinking using mathematical vocabulary. 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 allows them to have clear models and images to aid their understanding. Arithmetic and basic Maths skills are practised daily to ensure key mathematical concepts are embedded and children can recall this information to see the links between topics in Maths. We aim to present Maths as challenging, exciting, creative and relevant and promote a positive and confident attitude.

### **Implementation**

In Early Years, the Developmental Matters Curriculum is followed. In Years 1-6, the children are taught all of the different topics in Maths which the National Curriculum dictates. A range of different resources are used to support the children's learning so that they are able to achieve. Interventions are put in place to support all learners so that they can gain confidence and try to take more risks in order to have a better understanding of the subject. Teachers know which objectives must be taught and assessed in each year group and can follow progressive small steps to ensure children have a comprehensive understanding of Maths. The different topics are repeated throughout the year so that key knowledge and understanding is built upon each term so that the children leave the year group confident in their mathematical understanding. Basic Maths skills are taught daily at the beginning of each lesson, focussing on key Mathematical skills including place value, the four operations and fractions which recaps on their previous understanding. Multiplication facts are important throughout the school and time is dedicated on teaching the children the appropriate skills in learning and making links between the different facts so they can



succeed in this area. Formative assessment is used throughout lessons so that the children can get the correct help immediately. Pupil Progress Meetings are used termly to that patterns, successes and areas of improvement can be discussed and changes made if necessary. Homework is also given to reinforce the learning done during the week in school.

### **Impact**

The impact of our Mathematics curriculum is that our children, across all abilities, move through the curriculum at a similar pace. Children are able to engage with Mathematical discussions and make links between different domains of their learning. They become confident children who can all talk about Maths and their learning and the links between Mathematical topics. They can also predict what the next steps in learning may be as there are conversations about making links between different areas of Maths. Children take part in engaging lessons and are challenged to constantly strive to achieve. Teachers are encouraged to use their professional judgement at all times, meaning that children are given sufficient time to learn and practise each area of Maths before they progress to a different domain. Learning is tracked and monitored to ensure all children make good progress. Formative assessment allows teachers the flexibility to intervene in a lesson to remind, redirect or re-teach pupils as required. We use a range of activities showing evidence of fluency, reasoning and problem solving. As a result of our maths teaching, feedback, support and interventions, children at St Cuthbert's Catholic Primary School to strive to be the best Mathematicians they can be and leave the school achieving their full potential with the skills required as they move toward adulthood.