



## **Mathematics - a Statement of Intent, Implementation and Impact**

### **Intent**

At Corvedale Primary School, we view mathematics as a journey: a journey that is accessible to all and will maximise children's mathematical concepts, skills and thinking strategies to be successful in our modern world. We intend that this is achieved through exploration, clarification, practice and application over time. Through teaching this approach, we intend to help children make sense of the numbers, shapes and patterns that they see in the world around them, whilst providing opportunities to handle numbers and data in our increasingly digital world.

Mathematics is not solely taught as a discreet subject, but mathematical skills will also be consolidated throughout the whole day. It is our intent that children develop their strong number sense so that as their confidence grows, they will be able to look for patterns, manipulate numbers to make calculations easier, work out calculations mentally, use logical reasoning, suggest solutions and enjoy playing with and exploring numbers.

We intend to expose children to a wide range of concrete resources to support their mathematical understanding before modelling the use of pictorial representations. By having this strong foundation, it is our intent that children are then confident in using abstract representations.

### **Implementation**

We will stimulate our children's curiosity, foster their creativity and equip them with the skills that they will need in life beyond school by being enthusiastic about mathematics and modelling our thought process.

As mathematics gets more challenging, we will encourage and model resilience and determination, skills that we highly value. We will work together and share ideas to plan and deliver high quality lessons, which motivate and challenge the children and meet each individual need. Throughout the school day, relevant links will be made to real life and mathematics will be put into context.

Teachers deliver one curriculum for all, providing opportunities to stay together and to work through new content as a whole group.

### **Impact**

Children will have developed the knowledge, skills, understanding and enjoyment of mathematics to help them be a successful in our modern world. Children's skills will have progressed to enable them to not only have met the requirements of the National Curriculum but to also have a developed a good number sense where they enjoy exploring numbers and solving problems. We will see that a mathematical concept or skill has been mastered when a child can show it in multiple ways, using the mathematical language to explain their ideas, and can independently apply the concept to new problems in unfamiliar situations.

As a school, we continually seek out ways to improve our teaching of mathematics by taking part in and using research.