

# Mathematics Introduction

Darwen St James'  
C of E Primary Academy



## **Nurturing ambition through a living faith in Mathematics at Darwen St James' is –**

**Nurture** – At Darwen St James' CE Primary Academy, we believe that every child can achieve great things. We set high expectations for all our pupils, and we work hard to ensure they meet them. We believe that Mathematics is a key life skill and that it is our role, through the Mathematics curriculum, to help children make sense of the world around us through developing a child's ability to calculate, to reason and to solve problems. We aim to promote enjoyment and enthusiasm for learning through practical activity, exploration and discussion.

**Ambition** – As a school, we aim to ensure children have a positive attitude to Mathematics as an interesting and valuable subject. We want to promote confidence in Mathematics by equipping the children with the confidence to ask and answer questions, openly share work and learn from their mistakes. Children are encouraged to express their ideas fluently and be able to explain their thinking, methods and reasoning using mathematical language. They are encouraged to become independent learners and use their knowledge, concepts and skills to solve problems logically and systematically. Through our 'Aim High Day', the children are able to experience different roles within the community in order to inspire them to become more ambitious in their education and future goals, whilst gaining an awareness of the relevance of Mathematics in the real world.

**Faith** - To ensure children have a successful attitude to their learning and ability, we have chosen five whole school values (Perseverance, Courage, Hope, Love and Friendship) and we adopt a Growth Mindset approach throughout school, including through our Mathematics curriculum. Growth Mindset describes the underlying beliefs people have about learning and intelligence. We also develop children's Growth Mindset within Mathematics by setting activities which include team work, challenges, risk taking and perseverance.

**Citizens** – Through our Mathematics curriculum, we want to provide our pupils with real-life contexts which engage their curiosity and make them want to use Mathematics to explore patterns and formulate ideas about the world. We aim to equip them with the necessary skills which are needed in everyday life and will allow them to play an active role as citizens.