

## SUBJECT INTENT

### **Intention 1: Develop our learner's learning –Inspire (Our head and body: what we learn)**

To develop the appropriate subject specific knowledge, skills and understanding as set out in the National Curriculum, so that children can flourish, reach and exceed their potential academically, physically and artistically.

The intent of our mathematics curriculum is to design a curriculum, which is accessible to all and will maximise the development of every child's ability and academic achievement. We deliver lessons that are differentiated, creative and engaging to ensure inclusion for all. We use the expectations set out in the National Curriculum to offer children to opportunities to make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in solving problems. We use cross-curricular links to embed mathematical knowledge, e.g. in Science and P.E.

The national curriculum for Mathematics aims to ensure that all pupils:

- become fluent in the fundamentals of mathematics, including through varied and frequent practice with increasingly complex problems over time, so that pupils develop conceptual understanding and the ability to recall and apply knowledge rapidly and accurately.
- reason mathematically by following a line of enquiry, conjecturing relationships and generalisations, and developing an argument, justification or proof using mathematical language
- can solve problems by applying their mathematics to a variety of routine and non-routine problems with increasing sophistication, including breaking down problems into a series of simpler steps and persevering in seeking solutions.

### **Intention 2: Develop the character of our learners- Nurture (Our heart and character: Who we are when we learn)**

To develop learners to have a holistic set of values that prepares them for life in the modern world in a diverse and ever changing community.

As our school is in the East Midlands, raising aspiration and understanding of social mobility is key to supporting children's life skills and chances in the future. We want our children to understand that mathematics is an essential part to everyday life, critical to science, technology and engineering, and necessary for financial literacy and most forms of employment. We build resilience by supporting learners to overcome challenges by showing them there are several ways to solve a problem or overcome something difficult. This is supported using Balance- a tool to self-assess and identify next steps. Maths lessons start with an anchor task which is used for assessment and then differentiated and directed teaching follows.

**Intention 3: Develop the moral compass of our learners and develop behaviours and habits - Grow  
(Our place in the community and wider world: Who we are)**

To develop the behaviours learners need to succeed in the world such as concentration, perseverance, imagination, co-operation, the enjoyment of learning, self-improvement and curiosity.

To understand spirituality in themselves and others, develop social skills and understand society, build a firm set of personal morality, and to engage in the culture they live in and understand the cultures of others.

We provide enhancement opportunities such as Maths Day annually, to engage learners and believe that childhood should be a happy, investigative time where children are given no limits to their curiosity. We encourage learners to have a thirst for new experience, knowledge and challenge.

Parents are invited to attend enhancement days to support their children in engaging with investigative problem solving. This supports our vision of working with community and other partners.