

## **Rationale for Maths**

At Greengate Lane Academy, we have adopted a knowledge rich maths curriculum that allows for cumulative development of both knowledge and skills. We use My Mastery from Ark Curriculum to support our delivery of a cumulative curriculum that helps learners to make connections between different mathematical concepts. Retrieving, using and applying concepts regularly, transferring to new contexts helps develop fluency as well as conceptual understanding.

Teachers deliver a full hour maths lesson every day and also allow 15 minutes each day for a 'Maths Meeting' to visit any topics they feel relevant.

Our Mastery Curriculum seeks to develop our key driver of Vocabulary Acquisition with more conversation going on in lessons because pupils are actively encouraged to articulate, justify and explain their thinking, both as individuals and in groups. Lessons provide opportunities to explore, investigate and debate ideas using objects and images, and pupils will be enabled to make meaningful connections in mathematics.

Our Mastery Curriculum is underpinned by 3 dimensions of depth: Conceptual Understanding, Language and Communication and Mathematical Thinking.

Mastery and depth of learning is defined as:

- Mastery (end of milestone): pupils meeting or mastering the end of key stage expectations and progress over time.
- Depth (day to day/across a year): pupils understanding lesson content well enough and being able to use and/or apply knowledge/skills

**Nothing is learned unless it rests in long-term memories**