

**Maths**

**Sharlston Vision**

At Sharlston, we inspire every child to shine by nurturing their unique talents and fostering a love for learning. Together, as a community, we celebrate success as a shared experience, empowering everyone to reach their full potential.

**Subject Vision**

We know that the basic skills of mathematics are vital for the life opportunities of our children. At Sharlston, we aim to deliver an engaging maths curriculum, through a mastery approach to learning, to ensure every child can achieve excellence in their fluency, understanding and knowledge. **Mastering maths means pupils of all ages acquiring a deep, long-term, secure and adaptable understanding of the subject through a concrete-pictorial-abstract approach that is both vocabulary and representation rich. We ensure that pupils have a firm grasp of the four key calculations, so that by Year 6, children are confident with abstract learning and problem solving. We want to encourage pupils to make links in their knowledge to apply it to different concepts and problems.** This is not simply confined to maths lessons; links are established across a range of subject areas to support the understanding that maths is real.

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| **Curriculum Drivers** |
| Learning | Citizenship | Communication |
| * Children will learn number facts to recall with automaticity and use these in a range of contexts ad problem solving situations.
* During maths lessons, children will have opportunities to work both collaboratively and independently.
* Through exposure to problem solving and reasoning questions and tasks, we aim to cultivate both resilience and growth mindset so that our children embrace challenges.
* Pupils will have the opportunity to challenge themselves by learning their year group KIRFs and celebrate these successes together.
* Pupils will participate in individual and group times table challenged through TT Rockstars, where pupils can compete against other in their class, with their class against others in the school and even against other schools within the Waterton Trust.
 | * We aim to provide children with a learning environment whereby we value, appreciate and respect each other’s contributions, efforts and outcomes.
* During maths lesson and throughout the whole curriculum, we recognize and accept that we can all have different ways of working but we can still celebrate one another’s successes.
 | * Our maths curriculum is vocabulary rich and our lessons are designed to introduce new vocabulary and stem sentences.
* Mathematical talk is an integral part of our curriculum and we aim to provide children with opportunities to use new vocabulary alongside their prior knowledge when communicating their ideas and reasoning mathematically.
* The terminology the children are exposed to promotes the love of language and vocabulary as children are consistently immersed within new language and concepts throughout their whole school life.
* Children will have the opportunity to use their oracy skills to provide feedback and evaluate their own and others’ questioning and work.
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**Supplements**

NCETM Primary Mastery Development Materials

NCETM Mastering Number for Reception and KS1

NumBots

TT Rockstars