

## Maths Intent

*We aspire for all children to achieve their personal and academic best and to be well prepared to adapt to this ever-changing world.*

*Our Mathematics curriculum is based on Ark's Mathematics Mastery and is driven by language development, focusing on key vocabulary in every lesson and is greatly supported by concrete, pictorial and abstract learning opportunities. It is incredibly ambitious as it aims to develop confident, articulate and independent problem-solvers.*

*All staff have a very clear understanding of what children should achieve at the end of each year and the learning is carefully planned to meet these points. The curriculum is mapped systematically to ensure that all children are challenged to develop conceptual understanding within mathematics and really achieve their full potential. Lessons follow a clear structure and high expectations for oracy are embedded. Assessment for learning is utilised fully to ensure that children are appropriately challenged and provided with the right amount of scaffold. Rich, progressive tasks are developed to ensure that children are highly productive and that mathematical thinking and reasoning is present within all sessions for all children. Deeper reasoning challenges extend children further and encourage a wider application of skills in different contexts so that meaningful connections can be made.*

*The core curriculum is supported through an arithmetic lesson which focuses on the development of factual and procedural fluency, which in turn supports a reduction in cognitive load for children at the point of application. Basic skills are revisited regularly so that children develop confidence and a range of precise and accurate strategies upon which they can call when solving problems. Daily Maths Meetings regularly revise knowledge of topics to ensure that knowledge is retained and can be built upon.*

*Our children with special educational needs and disabilities, including our children in the Hearing Impaired Integrated Resource are also provided with a rich and relevant curriculum, which, where possible, matches that of their peers. Children with gaps in their knowledge are helped to catch up quickly through careful analysis of their gaps and targeted intervention to ensure that all children make at least good progress from their starting point.*