

Brandesburton Primary Curriculum

Intent: Mathematics



Intent	<p>At Brandesburton, the intent of our mathematics curriculum is to provide children with a foundation for understanding number, reasoning, thinking logically and problem solving with resilience so that they are fully prepared for the future. It is essential that these keystones of mathematics are embedded throughout all strands of the National Curriculum. Brandesburton also intend that all children, regardless of their starting point, will maximise their academic achievement and leave the school with an appreciation and enthusiasm for maths, resulting in a lifelong positive relationship with number. We ensure that we deliver a high quality maths curriculum that is both challenging and enjoyable. We believe that it is important for children to make rich connections across mathematical ideas to develop fluency, mathematical reasoning and competence in order for them to be able to solve increasingly sophisticated problems. We intend for our pupils to be able to apply their mathematical knowledge to all other subjects and therefore make cross-curricular links as often as possible. We want them to know that maths is essential to everyday life and be confident mathematicians who are not afraid to take risks. At Brandesburton, we aim to develop independent learners with inquisitive minds who have secure mathematical foundations and an interest in self-improvement.</p>
Implementation	<p>We teach maths in single year groups; adopting a small-steps approach to facilitate the children building upon prior knowledge to develop their understanding and promoting the ability to drawn upon previously learnt knowledge and skills.</p> <p>From EYFS to Year 6, maths is taught daily. In the foundation stage, this is done through high-quality small group learning opportunities, which are then practised and rehearsed through the continuous provision available. From Year 1 to Year 6, the children follow a structure of a quick start (to reinforce and embed prior learning), followed by the teaching and application of new skills. Teachers promote high-quality maths discussions in order to develop children's use of age appropriate mathematical terminology, reinforce concepts and challenge them to apply learning to reasoning and problem solving activities.</p>

	<p>Teachers use formative assessment daily during lessons; which feeds into planning for future learning. Use of daily formative assessment allows for staff to identify individual learning opportunities, promoting suitable challenge and providing immediate support. At the end of each unit of maths, summative assessments take place which are used to identify knowledge gained and highlight where consolidation is needed. Any areas identified then feed into the subsequent set of Quick Starts.</p> <p>Times Table Rock Stars is used to assist the teaching of multiplication tables.</p>
Impact	<p>At Brandesburton we endeavour to cultivate confident, resilient mathematicians, who are fluent in the fundamentals of maths and understand its purpose in the wider world. They will have a conceptual understanding of number, which will lead to confident transferable skills. The fundamentals of the maths curriculum will be embedded so that Brandesburton children can apply their knowledge in a range of contexts, e.g. real life scenarios, budgeting, problem solving, investigating etc. Additionally, children will foster the ability to reason and justify mathematical outcomes using mathematical terminology and with known confident strategies. Children are given the skill of being accurate and timely by knowing which strategy to use, and when, in any given situation.</p>