


Reach for the Stars


Maths Intent:

At Oakridge we equip the children with the knowledge and skills they need in order to develop into confident, enthusiastic and independent mathematicians, who are able to calculate mentally, think critically, reason systematically and problem solve logically.



Maths Curriculum Drivers:

Key Driver	Promoting	Rationale and Evidence
Developing lifelong learners	<p>Metacognition through the canopy of The Oakridge Way</p> 	<ul style="list-style-type: none"> • Resilient: Through problem-solving and reasoning, children understand that resilience is vital when working as a mathematician • Children also display resilience when learning numbers facts, realising that effort is needed to be successful for fluent recall • Reflective: Children are reflective when they utilise their chapter reviews in order to practise the areas of Maths they are less secure with • Children are constantly reminded to reflect upon their answers to calculations and think 'Does my answer make sense?' • Resourceful: Children always have access to Maths resources and they are encouraged to use these independently • Reciprocal: When working in small groups or pairs, children share their learning using the 'explore' tasks and also develop reciprocity when sharing ideas during guided practise
	<p>Unique discipline in each subject</p>	<ul style="list-style-type: none"> • At Oakridge we follow the Maths No Problem scheme of learning which is a DFE approved scheme that supports the mastery approach to teaching. • Reception are also using Maths No Problem. The Maths=No Problem! Foundations meets all of the requirements of the revised EYFS Framework 2021. It encourages learning through play and helps children in the Early Years begin to develop a deep understanding of the world of mathematics. It follows the same mastery approach with an emphasis on maths talk. • The core elements of the approach to Mastery are coherence, representation and structure, mathematical

		<p>thinking, fluency and variation (these are known as the 5 big ideas).</p> <ul style="list-style-type: none"> • Children benefit from having mental recall facts embedded to support their calculating and problem solving • Children benefit from deliberate practice learning following unit assessments where they are able to reflect on individual target areas to deepen and enhance their subject knowledge • Children benefit from the daily morning maths practice of their mental calculation strategies.
	Secure fundamental basic skills in Reading Writing and Maths	<ul style="list-style-type: none"> • Children are encouraged to develop quick recall of mental maths facts • Challenges are differentiated and planned for • Data collection demonstrates the real-life use of Mathematics
Key Driver	Promoting	Rationale and Evidence
Enrichment	Education visits, visitors, theme days, after school clubs, paired year group work	<p>Enrichment:</p> <ul style="list-style-type: none"> • Golden Book Assembly for Mathematics • Times Table Mastery Awards • Application of Maths in other areas of the curriculum – Science, Design and Technology and Geography
Key Driver	Promoting	Rationale and Evidence
Making a positive contribution	<p>The roots of 'The Oakridge Way'</p>  <p>RESOURCEFUL RECIPROCAL RESILIENT REFLECTIVE</p> <p>KINDNESS GOOD MANNERS TRUSTWORTHY RESPECTFUL</p> <p>OAKRIDGE</p>	<ul style="list-style-type: none"> • Kindness: Respecting and valuing other children's opinions when working together in Maths. Sharing resources with others and supporting learning partners when required. • Trustworthy: Using the resources supplied to them safely and responsibly. Following clear instructions by the teacher to complete tasks safely and successfully. • Good manners: Being courteous and polite to learning partners, members of working groups and teachers and teaching assistants during science learning. • Respectful: Showing peers in Maths that they value their ideas and opinions.
	British Values	<ul style="list-style-type: none"> • Democracy: In Maths we use teamwork when working in a group and take turns so that we listen to everyone speak and give their ideas • Rule of Law: In our Maths lessons we follow the Oakridge Way for the benefit of all, understanding that there are consequences if we do not • Individual Liberty: In Maths we promote learning from our mistakes and taking risks in problem solving

		<ul style="list-style-type: none"> • Children have opportunity to devise their own way to present their ideas and solutions • Mutual Respect and Tolerance: When learning during Maths lessons we work as a team, supporting each other and sharing ideas and opinions • We take turns and share equipment • We review each other's work respectfully
	Healthy Relationships	<ul style="list-style-type: none"> • Children have opportunity to learn from one another, frequently using talk-partner discussions or partnered learning • They are encouraged to show respect when working together and utilise all the 'roots' of the Oakridge Way
Key Driver	Promoting	Rationale and Evidence
Developing character	Resilience	<ul style="list-style-type: none"> • Children regularly apply their Maths skills and knowledge to solve problems which require resilience and perseverance • Children are encouraged to be resilient as they reflect on their chapter review mistakes and then deliberately practise this knowledge
	Independence	<ul style="list-style-type: none"> • Children independently work on target areas through the use of deliberate practice • Children practice their mental maths targets through the use of minute maths, helping them to move through the visible learning target planets
	A celebration of effort and hard work	<ul style="list-style-type: none"> • We celebrate Maths with an annual golden book for Maths assembly • Multiplication Times Table Mastery Award is awarded when children thoroughly know their multiplication and division facts • Children are rewarded for learning outcomes through house points and sharing their work with staff members • Marking in books reflects not only the outcomes but also the effort put into achieving the results • Headteacher and Deputy Headteacher stickers are awarded