



## A mathematician

Mastery characteristics		This means
<b>Mindset</b>	A commitment to and passion for the subject. The ability to embrace the value of learning from mistakes and false starts.	<ul style="list-style-type: none"><li>• Children will use a variety of strategies to support their own learning even when they find something difficult. They will show resilience when faced with challenges.</li></ul>
<b>Be knowledgeable</b>	Fluent knowledge and recall of number facts and the number system. Fluency in performing written and mental calculations and mathematical techniques.	<ul style="list-style-type: none"><li>• Children will draw on number facts to support their maths learning and will demonstrate fluency in written and mental calculations.</li></ul>
<b>Communicate</b>	A wide range of mathematical vocabulary.	<ul style="list-style-type: none"><li>• Children will discuss maths using appropriate mathematical vocabulary for their age.</li></ul>
<b>Be creative</b>	The ability to show initiative in solving problems in a wide range of contexts, including the new or unusual.	<ul style="list-style-type: none"><li>• Children will approach problems with a positive attitude and will draw on a variety of resources and existing knowledge to support them with this.</li></ul>
<b>Be skillful</b>	A broad range of skills in using and applying mathematics.	<ul style="list-style-type: none"><li>• Children will demonstrate a variety of skills and methods in their fluency, problem solving and reasoning</li></ul>
<b>Be curious and connect ideas</b>	The ability to reason, generalise and make sense of solutions. The ability to think independently and to persevere when faced with challenges showing a confidence of success.	<ul style="list-style-type: none"><li>• Children will use existing knowledge to support their current learning. They will apply previous learning to new concepts learnt.</li></ul>

How my subject areas contributes to the development of writing across the school:

- Maths will allow children to communicate their reasoning through written responses to how they solved problems and reasoning questions that ask them to explain why.
- Maths will give children the opportunity to communicate their responses verbally and in written form, supporting them with the oral rehearsal and writing process.
- Maths will give children the opportunity to demonstrate their understanding in a variety of representations.
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