

Through our maths curriculum, pupils are given the opportunities to...

| Be Curious | Be Confident | Be Creative |
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| <p>In daily maths lessons, pupils are curious when asking and answer questions about the 'In Focus' tasks, children share their opinions and ask questions about the statements presented to them at the start of the lesson. Throughout the lessons, children are asked to prove their understanding by reasoning, using prompt questions like 'How do you know...?' children need to think about the links in their learning and why things might be true. This deepens their natural curiosity and allows them to discover their own answers.</p> <p>In problem solving lessons, children are presented with a problem to solve linked to their current learning, they are presented with new facts or scenarios where they need to use their knowledge to solve problems, they will have to scrutinise the facts and information in order to solve the problem. This leads</p> | <p>In all maths lessons, pupils are encouraged to be confident in their abilities and in their knowledge. They are given opportunities to learn from misconceptions and mistakes, we ask children to identify errors in methods or calculations and use these as a tool to learn from. The children are in control of their learning and this improves their confidence.</p> <p>The children are encouraged to deepen their learning by using vocabulary to describe and explain their understanding, it gives them the opportunity to become a master of their knowledge and share their expertise with others in the class.</p> <p>Children are encouraged to build upon their learning from previous years and by revisiting units, this helps the children to build their confidence as their knowledge develops.</p> | <p>In all maths lessons, children are encouraged to be creative by being invited to use a range of resources to explore their learning and develop their practical representations.</p> <p>This lays the foundations for the children to be able to demonstrate their knowledge and understanding of a topic through both pictorial representations and in abstract methods.</p> <p>In problem solving lessons, children are encouraged to use their creativity when approaching a problem and finding a solution. Through problems solving lessons we give the children opportunities to share their creative ideas with their peers and feed off the ideas of others, developing new ways of thinking. Although we share the common goal of reaching a solution, alternatives to common methods are celebrated and</p> |

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| <p>the children to ask and answer their own questions to rule out possibilities and find the correct solutions.</p> | <p>We also boost children's confidence further by rewarding children with the award of Maths Marvel on a fortnightly basis, to recognise their achievements in maths.</p> | <p>creative thinking is praised as part of the problem solving process.</p> |
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