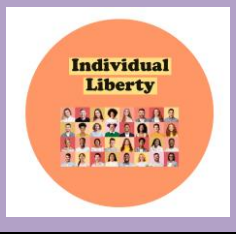
How does our Maths curriculum support British Values, SMSC and our whole school MPA values?

Democracy	The Rule of Law	Individual Liberty	Tolerance and mutual respect
			
Children can learn about the importance of democratic decision making in solving problems and making choices. Teachers can encourage children to discuss different approaches to solving mathematical problems and to work collaboratively to make decisions that are fair and equitable. This can help children understand the importance of listening to and respecting the opinions of others, and making decisions that benefit the whole group.	The Primary Maths Curriculum emphasizes the importance of following mathematical rules and procedures, such as order of operations and correct use of units of measurement. Children can learn about the consequences of breaking mathematical rules and how they can affect the accuracy and reliability of their calculations. Teachers can encourage children to understand the importance of following mathematical rules and procedures, and to take responsibility for their own work.	The Primary Maths Curriculum provides opportunities for children to explore different approaches to solving mathematical problems and to express their own opinions and perspectives. Teachers can encourage children to develop their own mathematical strategies and to take ownership of their learning. This can help children develop a sense of autonomy and self-confidence, and respect for others' right to do the same.	The Primary Maths Curriculum emphasizes the importance of working collaboratively and supporting one another in the learning process. Children can learn about the importance of respect for others' ideas and perspectives and how to give and receive feedback in a constructive manner. Teachers can promote mutual respect by encouraging children to work in pairs or groups and to share their ideas and strategies.

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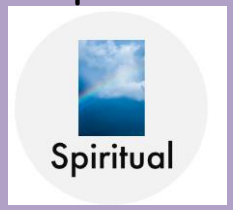
Spiritual	Moral	Social	Cultural
			
Our aim in Primary mathematics curriculum is to encourage students to think deeply about the concepts involved. This is especially the case when the resulting understanding is surprising or wondrous! The WOW moment! Opportunities for students to experience the awesome power of mathematics are taken whenever possible. E.g. when discussing infinite numbers.	We ensure certain questions in mathematics are reasoning questions where the children have to justify and prove if the answer is right or wrong. Our growth mindset approach ensures mistakes are valued if we learn from them.	While understanding can be achieved in mathematics though individual effort, it is also strengthened by working with their peers. The mathematics mastery approach is based on peer interaction and responding to other's comments. We encourage children to pose precise questions and to justify their own reasoning rigorously. This is seen in whole class teaching, group work, and in written work. Our cold calling and targeted questing techniques ensures all children participate and children are targeted accurately.	The study of mathematics is universal in the modern world. Furthermore, when progress in a topic can be attributed to a particular time and culture, this is shared with the children. Examples include the use of zero in decimal notation in 5th century India and the development of algebra by Persian mathematician al-Khwarizmi in the early 9th century. Teachers and children investigate in history and geography mathematical influences from other cultures.

How does our Maths curriculum support British Values, SMSC and our whole school MPA values?

The Power Maths characters model the traits of growth mindset learners and encourage resilience by prompting and questioning children as they work. Appearing frequently in the Textbooks and Practice Books, they are both the children's and teachers allies in teaching and discussion, helping to model methods, alternatives, and misconceptions, and to pose questions. They encourage and support your children, too: they are all hardworking, enthusiastic, and unafraid of making and talking about mistakes. They support both our British Values and whole school values which at Mablethorpe Primary we feel are important for our children.

Be Honest	Be Kind	Be Positive	Be Resilient	Be Aspirational	Be Respectful
It is important we are honest in the Maths Classroom at MPA. Honest if we do not understand, honest if we have not tried hard enough or honest if we have not engaged as we should have. This will enable us to identify when things have not gone as we would have liked and more forward.	Kindness is modelled in every maths classroom throughout the school. This can be seen in all the Power Maths characters. Children are encouraged to model resilience to one another through peer support.	**Curious Ash** is eager, interested inquisitive, and he loves solving puzzles and problems. Ash asks lots of questions but sometimes gets distracted. Through this children are encouraged to keep going and be positive. 	**Determined Dexter** is  used as an example in the Power Maths Curriuculum. Determined Dexter is resolute, resilient, and systematic. He concentrates hard, always tries his best and he'll never give up – even though he doesn't always choose the most efficient methods!	**Brave Astrid** is  confident, willing to take risks and unafraid of failure. She is never scared to jump straight into a problem or question, and although she often makes simple mistakes, she is happy to talk them through with others being aspirational.	 **Flexible Flo** is open-minded and sometimes indecisive. She likes to think differently and come up with a variety of methods or ideas. Children are taught to be respectful through this concept, being understanding of Flo.