

British Values in Mathematics

At Towngate Primary Academy, all pupils are encouraged to achieve their maximum potential through Maths lessons and learn the importance of Maths in all aspects of life and recognise how integral mathematics is to an independent future.

Tolerance

The mathematics curriculum promotes the British values of tolerance and resilience on a daily basis through problem solving and understanding of complex concepts, encouraging pupils to persevere and try different methods to arrive at a correct solution. All learners within the classroom are encouraged to believe they are able to achieve and are aware of the importance of learning from their mistakes. This fosters confidence and builds self-esteem, it encourages pupils to take risks and become lifelong learners whilst using their mathematical skills in all aspects of life.

Mutual respect

Pupils work together in all areas of the maths curriculum to support each other and build mutual respect for one another. Pupils are exposed to their peers' methods of solving problems and pupils are encouraged to provide their peers with feedback. Teamwork through peer assessment, feedback and group work underpins the schemes of learning in mathematics. All pupils have the right to a safe and secure learning environment and teachers and pupils have the right to be treated with respect.

Democracy

Through student voice, pupils are able to articulate their views on the mathematics curriculum and the teaching of maths.

Individual liberty

All pupils are given the opportunity to develop their knowledge, self-esteem and confidence throughout maths lessons. Within reasoning and problem solving activities, pupils are given opportunities to discuss viewpoints, and are encouraged to show respect towards others. At the same time, pupils are reminded of an expectation of respect for all others. Through various forms of mathematical issues, freedom of speech is discussed.

SMSC in mathematics

In Maths lessons pupils are encouraged to delve deeply into their understanding of Mathematics and how it relates to the world around them. Our Maths teaching actively encourages risk taking which enables pupils to explore and try new ideas without the fear of failure. This is fundamental to building pupils' self-esteem within Mathematics.

Spiritual

- Developing deep thinking and questioning the way in which the world works promotes the spiritual growth of our pupils.
- We are sensitive to pupils' individual needs and backgrounds and experience.
- Encourage pupils to regularly use their imagination and creativity when solving deeper contextual problems.
- Pupils are encouraged to reflect upon their learning and outcomes and discuss their progress with peers.

Moral

- We value listening to others views and opinions on problem solving.
- Teachers regularly provide pupils with feedback and opportunities to further their learning; this ensures pupils are aware of their next steps to develop their own learning.
- We promote discussion about mathematical understanding and challenge assumptions, supporting pupils to question information and data that they are presented with.

Social

- We encourage collaborative learning in the classroom – in the form of listening and learning from each other and paired discussion / talking partners.
- We help pupils develop their mathematical voice and powers of logic, reasoning and explanation by offering explanations to each other.
- Pupils are encouraged to provide their peers with feedback. Teamwork through peer assessment, feedback and group work underpins the schemes of learning in mathematics.
- We seek out events and team maths challenges for increased pupil involvement.

Cultural

- We aim to develop a realization that many topics we learn today have travelled across the world and are used internationally.
- We look to make explicit reference to Mathematicians contribution to progression of the subject as we teach topics throughout our Schemes of Work.
- Pupils are encouraged to celebrate their diversity within maths by accepting their own strengths and next steps of development. Pupils share their strategies and are encouraged to support each other.