



## SMSC - Maths

### Spiritual

At The King's School, we are developing deep thinking and, questioning the way in which the world works promotes the spiritual growth of our students. We are sensitive to students' individual needs, backgrounds and experience. We aim to give all students an appreciation of the richness and power of maths. Maths Mastery is embedded across the school; children are given the opportunity to discover a sense of wonder in the exactness of mathematics in the exploration of infinity, pi, topology, complex numbers and real-world examples. We encourage the students to appreciate the enormity of the world of mathematics as it has developed through time.

### Moral

Within the classroom, we encourage respect and reward good behaviour. We value listening to others views and opinions on problem solving. We promote discussion about mathematical understanding and challenge assumptions, supporting students to question information and data that they are presented with. We show the students that we are on a quest for truth by rigorous and logical argument whilst discouraging jumping to conclusions. Maths allows us to explore and evaluate the use of statistics to inform or mislead us in our current data obsessed society. It is acceptable to make mistakes as long as the correct methodology to obtain the otherwise correct answers is then learned and remembered.

### Social

In classrooms, we look for opportunities for pupils to use mini-whiteboards to promote self esteem and build self-confidence. We encourage collaborative learning in the classroom – in the form of listening and learning from each other as well as paired discussion/ talk partners. We help pupils develop their mathematical voice and powers of logic and reasoning by offering explanations to each other. We seek out events and team maths challenges for increased pupil involvement. We exhibit pupils work in maths classrooms - to share their good practice and celebrate achievement through creating informative displays.

### Cultural

We share the appreciation with the pupils that mathematics, its language and symbols have developed from many different cultures around the world: e.g. Egyptian, Indian, Islamic, Greek and Russian roots. We investigate and research cross cultural patterns – tessellation, Islamic tiling.