



SMSC / Cultural Capital and British Values in Maths

Spiritual	Moral	Social	Cultural	
<ul style="list-style-type: none"> • Developing deep thinking through reasoning and problem solving • Developing a positive attitude to maths • Maths in nature • Outdoor maths • Reflecting on own work - lightbulbs and feedback • Outdoor maths week 	<ul style="list-style-type: none"> • High expectations of all children in maths • Pupil views listened to through pupil conferencing etc. • Promote discussions about mathematical understanding and concepts • Pupils challenged to question information and data presented to them 	<ul style="list-style-type: none"> • Collaborative learning - paired and group work & talk partners • Verbal reasoning encouraged to allow others to work together • Tackle problems as a class • Pupils set each other challenges • Real life problem solving opportunities • Problem solving day 	<ul style="list-style-type: none"> • Cross curricular approaches where appropriate • HSBC bank • Real life problem solving opportunities • Baking opportunities • Explore more developed number systems, such as Roman numerals, Egyptian Hieroglyphics. • Patterns in cultures e.g. Rangoli patterns 	
Democracy	Individual Liberty	Rule of Law	Respect	Tolerance
<ul style="list-style-type: none"> • Take into account the views of others in shared activities. • Voting when collecting data. 	<ul style="list-style-type: none"> • Work within boundaries to make safe choices during practical activities. Make own choices within data handling activities. • Choices of maths challenges in some classes • Choices of way of working 	<ul style="list-style-type: none"> • Develop an understanding of rules and patterns • The foundations of maths being based on rules - children encouraged to follow basic maths rules • Investigations allow pupils to follow their own / group rules. 	<ul style="list-style-type: none"> • Allowing all participants the opportunity to work effectively • Take turns and share equipment • Review each other's work respectfully • Work collaboratively on projects/problems, help and advise others 	<ul style="list-style-type: none"> • Use maths to learn about different faiths and cultures around the world. eg. looking at patterns/shapes within Islam / Hindu religions. • Building on mistakes • Acceptance of positive criticism • Understand that others may solve problems in a different way.