	SMSC opportunities in Maths				
Spiritual	Moral	Social	Cultural		
Developing deep thinking and questioning through maths about the way in which the world works promotes spiritual growth.	Within the classroom, we encourage respect and reward good behaviour. We value listening to others' views and opinions on problem solving.	In the classroom, we look for opportunities for students to use mini whiteboards to promote self- esteem and build self-confidence.	Mathemati we aim to o we learn to used intern		
We aim to give all students an appreciation of the richness and power of maths.	Students are given the chance to be aware of misleading information and data, especially when discussing averages.	We encourage collaborative learning in the classroom – in the form of listening and learning from each other	Opportunit		
We promote a sense of wonder in the exactness of	Students are made aware as to how data can be used in different ways to support opposite arguments and	and paired discussion / working partners in order to show that the result is often better than they could	of personal		
mathematics in the exploration of shapes, number patterns and real world examples.	therefore should never assume that the statistics are accurate and a full representation of the complete picture.	achieve alone.	Symmetry i mathemation		
We aim to be consistently enthusiastic about the	In our subject we look specifically at bias and how this can	Within Statistics and probability we regularly used data collection and experiments which require group work	methods fro various oth		
subject and to use a range of teaching strategies that allow pupils to be creative or imaginative.	effect and support a point of view when in fact this is not a true representation.	and collaboration across the class which promotes creative thinking, discussion and presenting of their	We discuss		
		ideas.	origins of th		
Maths can be used you explain the world and the mathematical patterns that occur in nature: Symmetry in snowflakes	We promote discussion about mathematical understanding and challenge assumptions, supporting students to question information and data that they are presented	We help pupils develop their mathematical voice and powers of logic, reasoning and explanation by offering	come from Trigonomet		
Fibonacci patterns in plant growth To discuss how vast the universe is	with.	explanations to each other. We exhibit pupils work in classrooms on working walls and displays to share their	We ensure to the exam		
	We recognise how logical reasoning can be used to make decisions and choices that help them to learn in	good practice and celebrate achievement.	common na lead to disc		
	mathematics.	We hope to enable our students to enjoy their success in Maths and will celebrate accordingly whilst	which can b staff.		
	Within probability we look at gambling as well as high interest loans, loan sharks etc. within number these can	supporting any short term failure through interventions as and when required. Social	The use of		
	begin a moral debate	development is aided further by fostering a problem solving approach to any work set that encourages	sticking to t		
		students to breaking tasks into smaller manageable parts, often with the assistance of other students.	cultures.		

British values opportunities in Maths					
Democracy	The rule of law	Individual liberty	Respect	Tolerance of those with different faiths	
Students conduct an opinion survey on a moral issue and are aware that these results represent the opinion of that population. Students need to have an awareness of sexist, racist, stereotypical bias in materials – including females in labour jobs, males in	Students will be consistently reminded of the importance of abiding by the law. Some discussions in which these can arise: Lottery/gambling – have to be over 16/18 Best buy – stealing is cheaper Voting – 16 and over	Encouraging an allowing discussions and debates around the incorrect use of statistics and how abusing the system can cause an influx of misleading information. Allow discussions on the cultural and historical roots of mathematics.	Students will consistently show respect for all cultures and beliefs within all discussions.	Students have the ability to debate responsibly around gambling, high interest loans and around the general financial responsibility of all members of society. Students can use the currencies from around the world and can be exposed to	
office/secretarial jobs.	Alcohol use			other aspects of that country and culture other than what is shown in the media available to them.	

atics is the universal language of the world and o develop an understanding that many topics today have travelled across the world and are ernationally.

nities are given to students to explore aspects nal culture and identity through maths.

ry in patterns, number systems and atical thinking from other cultures – various from across the world for multiplication and other aspects.

uss the history of mathematics looking at the f theories and where the mathematicians have om to develop these key aspects. (Pythagoras, netric ratios, Pi, Fibonacci etc.)

re that when we are creating questions (similar am board) we incorporate a wide range of names from around the globe and this can iscussions around names in various cultures n be handled effectively by the member of

of money from around the globe and not to the 'common' currencies that students are f will enrich their awareness of the wider