

## SMSC in Maths



### **Spiritual Development**



### **Encouraging Reflection**

Maths lessons provide opportunities for pupils to reflect on their own thinking processes and to appreciate the importance of perseverance and determination.

By encouraging pupils to reflect on their own learning and to consider the impact that maths has on their lives, teachers can help to foster personal development.

Explore beliefs and experience; respect faiths, feeling and values; enjoy learning about oneself, others and the surrounding world; use imagination and creativity; reflect.

Sense of enjoyment and fascination in learning with numbers and space about themselves, others and the world around them.

Use of imagination and investigation skills in their learning and pupils to have a willingness to reflect on their experiences.

Fascination of the world around them during Forest School activities learning about forces, and discovering the beauty of creation through comparison and measuring.

### **Moral Development**



### **Ethical Considerations:**

Maths is not just about numbers, but also about making decisions.

Encourage pupils to think about ethical considerations when solving mathematical problems.

To develop their sense of morality and social responsibility.

Discovering wild places, having adventures, conserve the environment and sharing their experiences with others.

Understanding of how we can improve the environment by using calculations, e.g. the distance between countries /places and the use of carbon emissions.

Recognise right and wrong; respect the law; understand consequences; investigate moral and ethical issues; offer reasoned views. Ability to recognise the difference between right and wrong and to readily apply this understanding in their own lives, recognise legal boundaries and, in so doing, respect the civil and criminal law of England.

Interest in mathematical investigations and offering reasoned views about moral and ethical issues and ability to understand and appreciate the viewpoints of others on these issues.

To develop open mindedness to the suggestions of others and to make judgments on mathematical evidence not prejudice.

To develop safe working practices during mathematical investigations.

Responsibility to work cooperatively in a group to complete investigations and tasks.

Foster a respect for equipment and counting aids.

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### Social Development



#### **Connecting Maths to Real Life:**

By linking mathematical concepts to real-life situations, encourage pupils to consider the impact that maths has on society and the world around them.

#### **Group Work and Collaboration:**

Maths lessons often involve group work and collaboration, providing opportunities for pupils to develop social skills and to work together to find solutions to problems.

To create a positive and engaging learning environment that supports the personal development of pupils.

By developing pupil' SMSC skills, it is helping to prepare them for the challenges of the future and to promote social cohesion and understanding in different communities.

Use a range of social skills; participate in the local community; appreciate diverse viewpoints; participate, volunteer and cooperate; resolve conflict; engage with the 'British Values' of democracy, the rule of law, liberty, respect and tolerance.

Use of a range of social skills in different contexts, for example working and socialising with other pupils, including those from different religious, ethnic and socio-economic backgrounds.

Willingness to participate in a variety of communities and social settings, including by volunteering, cooperating well with others and being able to resolve conflicts effectively.

Acceptance and engagement with the fundamental British values of democracy, the rule of law, individual liberty and mutual respect and tolerance of those with different faiths and beliefs; they develop and demonstrate skills and attitudes that will allow them to participate fully in and contribute positively to life in modern Britain.

### Cultural Development



#### **Promoting Respect and Understanding:**

Maths is a subject that transcends cultural and linguistic boundaries, making it an ideal tool for promoting respect and understanding between different groups of people.

Math lessons can be used to encourage pupils to appreciate the diversity of different cultures and beliefs.

Appreciate cultural influences; appreciate the role of Britain's parliamentary system; participate in cultural opportunities; understand, accept, respect and celebrate diversity.

Understanding and appreciation of the wider range of cultural influences that have shaped their own heritage.

Willingness to participate in, and respond to, for example, artistic, musical, sporting, mathematical, technological, scientific and cultural opportunities.

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	<p>Interest in exploring, understanding of, and respect for cultural diversity and the extent to which they understand, accept, respect and celebrate diversity, as shown by their attitudes towards different religious, ethnic and socio-economic groups in the local, national and global communities.</p> <p>Through the study of famous mathematicians, an understanding that some of maths' most important discoveries have come from other parts of the world.</p>
<b>British Values</b>	<p>We recognise that our Science curriculum plays an important in promoting British Values and the powerful message and impact it has on our pupils.</p>