Science

At Towngate Primary Academy we are currently developing our British Values and SMSC in Science by:

British Values in Science:

**Individual liberty –**

We learn to confidently share our own opinions and ideas and respect the opinions of others. Within all our lessons students are encouraged to make their own choices when planning an investigation and recognise that others may have different points of view for where they would start.

**Democracy –**

We learn through our lessons to take into consideration the views and opinions of others. We take turns and instructions from others.

**Mutual Respect –**

When learning and investigating during lessons we work as a team, supporting each other and sharing ideas and opinions. We discuss our findings and respect eachother’s work, through this we offer support and advice to others.

**Tolerance –**

Through lessons and discussion we look at scientific discoveries which have come from other cultures and how religious beliefs often compete with scientific understanding. We learn to be resepctful of these beliefs and appreciate and understand them.

**The Rule of Law -**

We learn and understand the importance when working scientifcally to follow our safety rules and we allow students to understand the consequences of their actions, which in turn helps students apply this understanding to their own lives.

SMSC

**Spiritual –**

Students show their spiritual development in Science through their ability to reflect on their own beliefs and those of others, to inform their perspective on different scientific discoveries and investigations. They are taught to respect different beliefs, faiths and feelings that compete with scientific understanding. All students are encouraged and empowered to use their imagination and creativity to further develop their learning and understanding.

**Moral –**

Through our scientific investigations and scientific enquiry, students are able to recognise the differences between right and wrong, following rules and respecting and understanding the rules put in place. This allows them to apply this to their own lives and understand how the rules we have in science when investigating, are to keep us safe. The students understand the consequences of their behaviours and actions if they do not follow these safety rules.

**Social –**

During the teaching of science, children are able to use a range of social skills, during investigations they are demonstrating teamwork and collaboration with other students, socialising with children from different religious, ethnic and socio-economic backgrounds. By encouraging children to be reflective, critical, curious and resilient in this subject, the children demonstrate skills and attitudes that will allow them to participate fully in all areas of school life and demonstrate this out of school.

**Cultural –**

Through discussion in science, the students are able to understand and develop an appreciation of the wide range of cultural influence that have shaped scientific discoveries and investigations. Science provides children with the opportunities to explore interest and improve understanding of the world around them.