



### What is SMSC?

Spiritual, Moral, Social and Cultural (SMSC) development is the over-arching umbrella that encompasses personal development across the whole curriculum. Links to SMSC are made across the science curriculum and lessons to create a child centred approach to learning science knowledge and skills.



#### **Spiritual**

- Pupils use imagination and creativity by developing their own predictions, thoughts and ideas
- Reflecting and critiquing on investigations
- Questioning pupils throughout lessons – WHY, WHAT, WHERE and HOW?
- Pupils experience awe and wonder
- The beauty of natural objects or phenomenon

#### **Moral**

- Respect with equipment both when using it and when storing it
- Discussing the human impact upon our planet and environment
- Listening to teacher and peer feedback and understanding different point of views
- Promote trust with peers through team investigations
- Respect scientists' theories and other beliefs
- Recognition that discoveries in science can have both harmful and beneficial effects

#### **Social**

- Creating a sense of community in lessons and clubs
- Encourage pupils to recognise and respect social differences and similarities
- Encouraging extra-curricular activities
- Considering the safety of others during practical work
- Promoting teamwork throughout lessons
- Encourage children to have scientific discussions with science professionals and visitors
- Highlighting the effects of science on their lives
- Promote scientific discussion/debate in lessons



### Culture

- Use of international examples of different scientists and their achievements
- Understanding and appreciating personal influences of famous scientists
- Considering the historical context that influenced the way new theories are considered e.g. motion of the Earth, evolution, plate tectonics, Big Bang theory