



Science and links to SMSC (Spiritual, Moral, Social & Cultural Development) and British Values at Thornton Primary School.

A definition of SMSC

The **spiritual development** of pupils is shown by their:

- a. Ability to be reflective about their own beliefs, religious or otherwise, that inform their perspective on life and their interest in and respect for different people's faiths, feelings and values.
- b. sense of enjoyment and fascination in learning about themselves, others and the world around them.
- c. use of imagination and creativity in their learning.
- d. Willingness to reflect on their experiences.

The **moral development** of pupils is shown by their:

- a. 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 civil and criminal law of England.
- b. understanding the consequences of their behaviour and actions.
- c. Interest in investigating and offering reasoned views about moral and ethical issues and ability to understand and appreciate the viewpoints of others on these issues.

The **social development** of pupils is shown by their:

- a. 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.
- b. willingness to participate in a variety of communities and social settings, including by volunteering, co-operating well with others and being able to resolve conflicts effectively.
- c. 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.

The **cultural development** of pupils is shown by their:

- understanding and appreciation of the wide range of cultural influences that have shaped their own heritage and those of others.
- Understanding and appreciation of the range of different cultures within school and further afield as an essential element of their preparation for life in modern Britain.
- Knowledge of Britain's democratic parliamentary system and its central role in shaping our history and values, and in continuing to develop Britain.
- Willingness to participate in and respond positively to artistic, musical, sporting and cultural opportunities.
- Interest in exploring, improving understanding of and showing respect for different faiths and cultural diversity and the extent to which they understand, accept, respect and celebrate diversity, as shown by their tolerance and attitudes towards different religious, ethnic and socioeconomic groups in the local, national and global communities.

SMSC is an over-arching umbrella that encompasses personal development across the curriculum and activities in school. It is the heart of what education is all about – helping pupils grow and develop as people.

The themes and units of work covered within Science contribute to the different aspects of SMSC/British Values:

	Aut 1	Aut 2	Spr 1	Spr 2	Summer 1	Summer 2
Year 1	Animals including Humans	Seasonal Changes (Autumn to Winter)	Everyday Materials	Seasonal Changes (Spring to Summer)	Plants	Scientists & Inventors (inc. Scientific Enquiry)
SMSC/British Values	Spiritual 1b, 1d Social 3a	Spiritual 1b, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1d Social 3a	Spiritual 1b, 1d Social 3a	Spiritual 1a, 1b, 1c, 1d Moral 1a Social 3a, 3c (link to BV) Cultural 4a, 4e
Year 2	Animals including Humans	Uses of Everyday Materials	Living Things and their Habitats	Plants	Scientists & Inventors (inc. Scientific Enquiry)	Scientific Enquiry (related to topic)
SMSC/British Values	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1d Moral 2c Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1d Social 3a	Spiritual 1b, 1d Moral 2c Social 3a Cultural 4a, 4e	Spiritual 1b, 1d Social 3a

	Aut 1	Aut 2	Spr 1	Spr 2	Summer 1	Summer 2
Year 3	Forces and Magnets	Animals including Humans	Light	Plants	Rocks	Scientists & Inventors (inc. Scientific Enquiry)
SMSC/British Values	Spiritual 1b, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a, 3c (link to BV)	Spiritual 1b, 1c, 1d Moral 2c Social 3a, 3c Cultural 4a, 4e
Year 4	Living Things and their Habitats	Animals including Humans	States of Matter	Sound	Electricity	Scientists & Inventors (inc. Scientific Enquiry)
SMSC/British Values	Spiritual 1b, 1c, 1d Moral 2b, 2c Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a Cultural 4a, 4d	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Moral 2c Social 3a, 3c Cultural 4a, 4e
Year 5	Living Things and their Habitats	Animals including Humans	Properties and Changes of Materials	Forces	Earth and Space	Scientists & Inventors (inc. Scientific Enquiry)
SMSC/British Values	Spiritual 1b, 1c, 1d Moral 2c Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1a, 1b, 1c, 1d Social 3a Cultural 4a, 4e
Year 6	Living Things and their Habitats	Animals including Humans	Evolution and Inheritance	Electricity	Light	Scientists & Inventors (inc. Scientific Enquiry)
SMSC/British Values	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Moral 2b Social 3a	Spiritual 1a, 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1b, 1c, 1d Social 3a	Spiritual 1a, 1b, 1c, 1d Moral 2b Social 3a, 3c (link to BV) Cultural 4a, 4e