SMSC in Design and Technology at Broughton Primary School

(updated September 2024)

SPIRITUAL

- Design and technology encourages children to ask searching questions and express their thoughts and feelings such as 'How?', 'When?' and 'Why?' which enables them to better reflect on the world around them and their impact upon it.
- Develop confidence to explore and experiment with different materials and skills in order to solve problems and/or create functional products e.g. Year 1 design and make a healthy soup for Bernie (and the kitchen staff), Year 5 design and make a money holder strong enough to carry Tudor coins.
- Enjoy and celebrate personal creativity e.g. every end product within a unit (as well as many of the smaller, individual tasks throughout each lesson) is unique and individual to each child, including the overall aesthetic, materials used and tools required.
- Develop mutual respect e.g. the use of mixed-ability group work, verbal discussions and peer evaluations throughout every lesson of design and technology.
- Embrace failure and difficulties as learning opportunities and foster perseverance throughout every lesson and learning opportunity but also through real life examples such as Zaha Hadid who struggled for many years as an Arab woman in the architectural business and often had her designs labelled as 'unbuildable' during her early career.

MORAL

- Consider the impact of materials and/or ingredients for designs on the wider environment e.g. including the use of 'rubbish' and recycling in Year 1 to build moving fire engines and the use British vegetables and cheese in Year 5 when making a range of breads.
- Consider moral dilemmas raised during topics e.g. Year 3 discuss the impacts of importing food from other countries to ensure that we have greater choices all year around in the UK.
- Encourage more sustainable thinking when choosing materials for a design (and throughout other activities in and around school) e.g. ordering recycled paper for the school to use in projects as a whole and recycling used or waste paper.

SOCIAL

- Interact with the community through events and visits e.g. Year 4 visit Broughton High School every year to take part in food technology workshops and children across school bake for parents and families attending our annual Christmas Fair.
- Ensure a safe and efficient working environment e.g. discussing and demonstrating safe use of knives, peelers, graters and appliances during food technology lessons, as well as tools such as hot glue guns, saws and drills throughout a range of other units.
- Encourage children to work as a team through the sharing of equipment and also addressing awareness of gender inequalities as they arise e.g. promoting design and technology as a subject for both males and females despite it being male-dominated more often throughout history.

CULTURAL

- Better understand the world around us and how it came to be through incredible inventions and products e.g. Year 4 study the first three-way traffic signal.
- Promote and celebrate British values by studying the work of British designers and inventors e.g. Year 1 study Jamie Oliver and his healthy eating movement in schools across the country and Year 3 study the work and impact of architect Norman Foster.
- Consider cultural similarities and differences e.g. Year 5 compare and contrast popular bread recipes from different cultures around the world.
- Consider how technological advancements continue to shape our own culture as well as cultures around the world e.g. Year 5 study the work of computer scientist Ivan Sutherland and consider how far the world of digital drawing and design has developed over time.