

Hardwick Green Primary Academy

SMSC Statements: Design & Technology



Spiritual

D.T supports spiritual development by allowing pupils the opportunity to exercise imagination, inspiration, intuition and insight through creativity and risk taking in analysing, designing and manufacturing a range of products. It instils a sense of awe, wonder and mystery when studying the natural world or human achievement. Encouraging creativity allows pupils to express innermost thoughts and feelings and to reflect and learn from reflection, for example, asking 'why?', 'how?' and 'where?'. The children at Hardwick Green get make multiple different products starting in KS1 where they make their own moving story book all the way up to Y6 when they get to design and create their own game when studying electricity in science. Children get to experiment and make their own ideas come to life by manufacturing their final designs and present them to an audience; whether that be their peers or parents.

Moral

D.T supports moral development by raising awareness of the moral dilemmas by encouraging pupils to value the environment and its natural resources and to consider the environmental impact of everyday products. It educates pupils to become responsible consumers. Children at Hardwick Green get to regularly discuss and evaluate what products they are going to be using for their products e.g. in both KS1 and KS2 the children have to decide what food products they are going to use to create to make their meals. Some of the topics they discuss are whether they should use organic food sources; recyclable food containers as well as locally sourced produce or produce which will need to come wrapped in lots of plastic and non-recyclable products.

Social

D.T Supports social development by providing opportunities to work as a team, recognising others' strengths and sharing equipment. Design Technology promotes equality of opportunity and provides an awareness of areas that have gender issues e.g. encouraging girls to use equipment that has been traditionally male dominated. Children at Hardwick Green start building on their social skills and abilities to work together as a team immediately in Nursery; this is something that is constantly built upon throughout the different tasks in D.T due to the nature of having to listen to one another, take turns sharing equipment and helping each other be able to reflect and evaluate on how to improve or strengthen their final product design. In Y3 the children construct castles which is linked to their history topic; the children have to work together to evaluate what material would be the strongest as well as most appropriate to enable them to achieve this challenge.

Cultural

D.T supports cultural development by encouraging children to reflect on ingenious products and inventions, the diversity of materials and ways in which design technology can improve the quality of life. It investigates how different cultures have contributed to technology and reflects on products and inventions, the diversity of materials and ways in which design can improve the quality of our lives. At Hardwick Green children learn about different cultures throughout their learning journey; in D.T an example of this would be in Y5 the children have to adapt a recipe and evaluate how they could make the meal healthier. Children have to research and find out about different meals that are eaten around the world to see what they are going to improve their own recipes into a more tasty and healthier version. Y5 also look at structures and they can compare different well-known structures around the world to see how they are all made and how they are designed differently to survive the country's climate as well as the country's needs.