



## SMSC in The Trafalgar School at Downton Design & Technology Department

Design and Technology makes a particular contribution to SMSC through:-

- Reflecting on ingenious products and inventions, the diversity of materials and ways in which technology can improve the quality of life
- Awareness of the moral dilemmas created by technical advances
- Understanding that decisions to make things can have both positive and negative effects on environments. Consider the impact of students designing and making on the environment and people
- How different cultures have contributed to technology and allows students the opportunity to value artefacts from their own culture and from other cultures and compare similarities and differences between how things were made in the past, compared with how they are made today
- Opportunities to participate as a team, recognising others' strengths, sharing equipment. Enhances students' ability to cooperate together through activities such as designing and making
- Mutual respect is created through the process of peer evaluation of each other's work and standards. We empower students to take criticism positively and to articulate their views in a respectful and sensitive way
- Giving students the opportunity to examine cultural differences in food and diet. This encourages them to discuss the historical, cultural and geographical contexts that have created this diversity
- Students grow and develop a sense of social responsibility, mutual respect and care for each other
- Reflecting on the social issues around food such as price and income
- Acknowledging government guidelines for health and dietary requirements
- Encourages students to assess objects in terms of usefulness, beauty and cost effectiveness. This creates awareness that simple solutions can be used to solve complex problems. It can enhance their ability to respect ownership and to resist destructive behaviour
- Allowing students' the opportunity to value artefacts from their own culture and from other cultures and compare similarities and differences between how things were made in the past compared with how they are made today
- Use of Computer Aided Design (CAD) and Manufacturing (CAM) processes and students compare and contrast CAD/CAM with historical methods of manufacture
- Preparing students for the challenge of living and learning in a technologically enriched, increasingly inter connected world; increasing awareness of the moral dilemmas created by technological advances and establishing boundaries in society by considering what is acceptable
- Students debate and formulate their own set of values and beliefs as they share their own experiences
- Learning about acknowledging sources and respecting copyright
- Explore the social responsibility of companies and their designers' so fashion can be enjoyed in the knowledge that the design, manufacture and advertisement has not harmed people, animals or the environment

**Empowering students to be the source of their own success ...**