

SMSC in Design and Technology

Spiritual Development in Design and Technology

Design and Technology as a subject encourages pupils to be creative, exercise their imagination and out-of-the-box thinking. We inspire the pupils to use their insight as they develop ideas in their projects and designs in lessons. The pupils are encouraged to appreciate and reflect upon the aesthetic nature of materials and design. The process of creative thinking and innovation inspires students to bring out undiscovered talents, which in turn breeds a self-confidence and belief in their abilities. It also challenges and appeals to the creative instincts that have driven humanity to discover, adapt and overcome.

Moral Development in Design and Technology

In Design and Technology, we seek to develop a sense of 'moral conscience' in our students, through focusing upon the moral dilemmas raised in designing and making new products. We also encourage pupils to consider the moral dilemma of technological advancement and be able to argue the advantages and disadvantages of many different situations. We teach students to understand the wider impacts on the environment when designing and making new products and expect them to carefully consider the materials and components they will use when designing and making. We encourage sustainable thinking through the active application of the '6 R's' and to highlight the impact on environmentally sensitive areas of the world. Safety is considered, in the production of products, and when making products to be used by others. Design and Technology education prepares pupils to become responsible consumers.

Social Development in Design and Technology

Social development is a key feature of all Design and Technology lessons. We teach the concept of self-regulation to ensure that students accept responsibility for their behaviour and the safety of others. We encourage students to give each other reminders when standards fall short of the collective expectation. This

establishes and maintains a safe, secure, learning environment. We place an emphasis on developing the ability to work with others and to accept each other's unique personality. We encourage effective conversations about the work we do through self and peer evaluation, and to give and accept constructive criticism as a vehicle to improve students learning outcomes. Students are encouraged to listen and contribute in a manner which allows for constructive criticism. In Design and Technology shared work and teamwork encourages pupils to consider the viewpoints of others and communicate effectively.

Cultural Development in Design and Technology

In Design and Technology pupils are taught to understand how a range of cultural influences impact on design over time. How for example industrial heritage, developments in fashion, demographics and the demands of society pull and push change. Pupils consider Design Movements, and how they developed within a historical period, though continue to have a place in the world, and influence our world view. We seek to expand student's knowledge of other cultures influences on design and manufacture including an increasing awareness of the influences digital manufacturing developments from other countries is having on the designing and making of products that we use.