SMSC in Design & Technology

Spiritual development in Design and Technology

Spiritual development is of a very high importance in design & technology. The process of creative thinking and innovation inspires students to bring out their creativity, which in turn leads to 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. Within our schemes of work, we seek to develop these.

Moral development in Design and Technology
In design & 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 teach students to understand the wider impacts on the environment when researching, designing and making products and expect them to consider carefully the materials & 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 the environment. The 6 Rs include: rethink, refuse, reduce, reuse/repair, recycle, replace.

Social development in Design and Technology
Social development is a key feature in design & technology lessons. We teach the concept of self-regulation to ensure that students accept responsibility for their behaviour and the safety of others. This establishes and maintains a safe, secure, learning environment. We place an emphasis on developing the ability to work with others. We encourage discussions about the work we do through self & peer assessment, and to give and accept constructive criticism in order to improve learning outcomes.

Cultural development in Design and Technology
We develop wider cultural awareness in design technology through projects that have a connection with our past heritage and how our industrial routes have shaped our nation. 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

Examples of Spiritual, Moral, Social and Cultural Education in Design and Technology include:

- Design and making units of work which allow for creative imagination in the students
- Product analysis which allows for the questioning of purpose
- Students taking time to reflect on the impact that their work has on themselves and others including the environment

- Considering the safety of the manufacturing of the products which students make.
- Students consider the environment, the effect of designing and making and long term sustainability of the planet.
- Preparing students to become responsible consumers.
- Considering the moral dilemma of technological advancement. To be able to argue the advantages/disadvantages e.g. automation and the development of robots replacing human job roles.
- Thinking about the impact of the use of materials including ingredients.
- Consider employees' rights in overseas manufacturing e.g. Fair Trade
- Explore the impact of fossil fuels on the world.
- Understanding of what constitutes a healthy lifestyle