

SMSC in Design and Technology

At Tong High School our students' Social Moral Spiritual & Cultural is developed in design & technology in a number of ways. We believe in educating our students to think about the impact of their designing and making on the environment and people. Sustainability and the clear understanding of how this is applied to designing new products are crucial if we are to protect the world's natural resources.

Mutual respect can be at risk through the process of peer evaluation of each other's work and standards. We encourage our students to take criticism positively and to articulate their views in a respectful and sensitive way. We support this through the development of prior mistakes as a motivator to learn and succeed.

We support students search for Meaning and Purpose through encouraging creativity in projects and challenge them with the varied level questioning, How will my designing benefit humanity? Students draw upon a variety of sources for inspiration. Many of these are natural but true creativity comes from the freedom to explore within more open ended projects.

Spiritual development is of high importance in design & technology. The process of creative thinking and innovation inspires students to bring out undiscovered talents, which allows 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. Within our schemes of work we seek to develop these in all pupils.

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 designing and making new 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 environmentally sensitive areas of the world.

Some examples of SMSC in Technology are

- Equal Opportunities are taught through collaborative and team learning. Valuing contributions of all and celebrating these as well as outcomes. We try to instil in students that the journey is as important as the outcome because that is where true understanding is gained.
- Students are taught about the moral choices facing designers & manufacturers when deciding on materials. Students use the six 'Rs' of sustainability to understand and apply ways of conserving the earth's resources. Focus on recycling in food and how to manage portion sizes to minimise waste helps students to connect with the dilemmas of those who do not have an abundance of food.
- In Graphics & Resistant Materials Students are taught about the moral dilemmas created by technological activities. Through discussion students look at the wider implications of using materials from non-renewable sources. Students do at least one project using recycled materials for example; clocks and key rings made from recycled acrylic and plastics. They also have to justify the selection & use of materials in projects
- 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.