SMSC in Design and Technology at BHBS

Students' Social Moral Spiritual & Cultural is developed in Design and 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 paramount if we are to protect the world's natural resources. Students are also expected to grow and develop a sense of social responsibility, mutual respect and care for each other through our teaching of behaviour self-regulation. We expect students to influence the behaviour of others around them by encouraging a confidence to challenge each other when standards fall below our collective expectations.

SPIRITUAL DEVELOPMENT IN DESIGN AND TECHNOLOGY

Spiritual development is of a very high importance in Design and Technology. 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. Within our schemes of work we seek to develop these through KS3 and KS4. Spiritual education at Bishops, in Design and Technology, allows students 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 students to express innermost thoughts and feelings and to reflect and learn from reflection, for example, asking 'why?', 'how?' and 'where?'.

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 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 and include sustainability as a major focus in all areas. In Design and Technology at Bishops, moral education gives students an awareness of the moral dilemmas created by technologic advances, for example, the effect advanced manufacturing automation has had on employment and how globalisation has caused poverty and inequality in eastern Asia. It encourages students to value the environment and its natural resources and to consider the environmental impact of everyday products. It educates students 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 other and to accept each other's unique personality. We encourage effective conversations about the work we do through self & peer evaluation, and to give and accept constructive criticism as a vehicle to improve students learning outcomes. Many of our lessons include team work to develop a collaborative outcome. Social education at Bishops, gives opportunities to work as a team, recognising others' strengths and sharing equipment. Design and Technology promotes equality of opportunity and provides opportunities to use a range of social skills; participate in the local community; appreciate diverse viewpoints; participate, volunteer and cooperate; resolve conflict; engage with the **'British values'** of democracy, the rule of law, liberty, respect and tolerance.

CULTURAL DEVELOPMENT IN DESIGN AND TECHNOLOGY

We seek to expand student's knowledge of other culture's 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. Cultural education in Design and Technology at Bishops, reflects 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.

Design and Technology is taught in diverse groups of mixed gender, allowing different ideas and viewpoints to be shared and respected in a productive manor. Project based teaching at KS3 and KS4 allows teachers to set challenges to explore and understand different cultures through research, practical experience and sensory emersion. Analysis and evaluation are key activities across KS3 and KS4 in Design and Technology. Students are encouraged to reflect on the impact their ideas and existing commercial products have on the rest of society.

We create a purposeful learning environment with clear rules and codes of conduct. Student voice surveys show that Design and Technology is a place students feel safe, supported and where their thoughts and ideas will be listen too, respected and when appropriate rewarded.