

Course highlights:

Design and Technology continues to have a growing impact on the British economy including the global market. This means there will be a greater demand for skilled workers who are qualified in this area. This is a course that has real relevance in our society. Whilst students will no doubt already have some knowledge of materials and manufacturing processes.

The course combines theoretical content with practical application

- There is a greater emphasis on design
- An understanding of underlying scientific principles is expected
- An iterative approach to designing is encouraged
- The acquisition of practical skills is still expected.

Learning styles used:

- Analytical and research skills.
- Designing and communication skills through a use of computer technology (CAD & CAM).
- Practical using materials, tools and equipment in a safe and competent manner.
- Evaluate their own work, develop ideas and learning through the craft process.

How is it assessed?

Component 1: Title Written Paper	50%	Not tiered	Single paper of 2 hours duration <ul style="list-style-type: none"> • 100 marks • Questions vary from MCQs to extended response
Component 2: Title Non- Examined Assessment	50%	Not tiered	100 marks <ul style="list-style-type: none"> • Single design and make task • Select from a range of given contexts

The use of mathematical skills is a key requirement, and is tested in the examination (15% of the written paper)

AO1: Identify, investigate and outline design possibilities to address needs and wants.

AO2: Design and make prototypes that are fit for purpose.

AO3: Analyse and evaluate- Design decisions and outcomes, including prototypes made by themselves and others. Wider issues in design and technology.

AO4: Demonstrate and apply knowledge and understanding of – technical principles, designing and making principles

Other Information:

- Offers relevant and interesting content for study
- Focuses on the production of a prototype
- Gives centres the flexibility of adopting a broad multi-material or more specialised approach
- Students have the opportunity to work with a wide range of materials or to specialise once the core has been covered
- Enables progression to further study at A Level or Level 3 vocational courses
- This course encourages students from all ethnicity, religion and both genders to develop their interest in Craft by becoming creators of products suitable for enterprise.

Employability Skills and Careers available in Creative Craft

This course will be useful in many types of employment due to the ever-increasing demand for Design and Technology designing and manufacturing in many industries.

Clothing/textile technologist, Exhibition designer
 Construction-carpentry & joinery, product designer,
 Architecture, Automotive engineer,
 Graphic designer, Materials engineer,
 Product designer, Product manager, Purchasing manager.

Typical employers may include:

- Industrial product manufacturers
- Car manufacturers
- Retailers
- Product designer

Course combinations:

This course complements Art and Design, ICT, Physics, Mathematics and English

Please see **Mr Thompson** to discuss this course.