

WELCOME TO...

GCSE Design Technology

Design and Technology is a practical subject area which requires the application of knowledge and understanding when developing ideas, planning, producing products and evaluating them.

Candidates should have a knowledge and understanding of the processes and techniques which aid manufacture and of the commercial and industrial applications of a range of materials involved in manufacturing their products in quantity.

Design



Make



Package



The course will cover the following areas of study:

Course Outline:

Core technical principles. Candidates will develop an understanding of the broad perspectives of the designed world. They will learn about how products are manufactured in a modern industrial setting.

Students will learn how to design and create a range of products using mixed materials.

Designing and making principles.

Candidates will research the work of other designers and apply the main concepts to their own design work. They will investigate the needs of others and understand the impact designs have on the environment.

Design skills will include an appreciation of line, shape, form, proportion, colour, movement and texture within a critical awareness of aesthetics and ergonomics.

Specialist technical principles.

The course will cover the following areas of study of materials and their properties.

- Computer Aided Design
- Paper/card Packaging/Branding
- Timber based materials
- Metals

Assessment:

Unit 1: Written Paper 50% of total marks.
2 hours Candidates answer all questions in two sections using pre-release materials

Unit 2: Design and Making Practice (NEA) 50% of total marks
Approximately 45 hours. Consists of a single design and make activity selected from a range of board set tasks.

