

## Year 9

Year 9 gives students the opportunity to develop their wood and metal working skills through the production of a gardening trowel. This project develops their knowledge of the working properties of these materials and they experience first hand how to shape and finish these materials when producing the final product. They also develop their graphical drawing skills and explore the different aspects required to develop a successful piece of packaging. Graphics lessons explore rendering and perspective drawing techniques.

During the first two terms students cook a wide range of savoury and sweet dishes which explore foods from different cultures, a wide range of cooking skills and presentation techniques. Dishes range from pizzas to chilled cheesecakes. Students will be asked to bring ingredients once every two weeks.

## Year 10

Students can specialise in one of the following subject areas:

Design & Technology (exploring the wide range of materials and processes involved in developing new and innovative products).

Textiles (garment construction and developing knowledge of decorative techniques for fabrics).

Food Preparation and Nutrition (exploring foods from different cultures, food science and food provenance through the development of recipes).

Visual Communication (Graphics drawing and modelling skills including CAD and CAM).

Materials Technology (Resistant Materials products which explore the use of metals, wood and plastics).

## Year 11

GCSE students will complete the non-examined assessment (NEA) task which forms 50% of the final grade during lessons. This task involves students developing their own design brief based on a context provided by the examination board. The assessment includes a portfolio of research, sketches, development sampling, planning and evaluation which all lead to the manufacture of one final product. They will also sit an external exam in the summer term of year 11.

## Design & Technology in the Sixth form

We offer two linear A level courses which lead from our GCSE subjects:

A level Fashion & Textiles prepares students to embark on a career or higher education in design, retail or textile manufacturing. Students will explore how a range of garments are developed, and learn how to create their own patterns. The non-examined assessment (50% of the final grade) allows students to develop their own design brief based on the work of their favourite designer, cultural influences or for a specific client. This project incorporates a design folio, sampling of a wide range of techniques and the final product.

During year 12 students will complete a series of mini projects and regular theory lessons in preparation for the final assessments in year 13. The mini projects are designed to help develop a portfolio of work which students can then take to an interview.

A level Design & Technology: Product Design explores how designers from the past and present develop innovative products from lighting to furniture to interior design. This course incorporates graphics, electronics and resistant materials subject content and encourages students to develop their own design briefs. Material areas can either be combined within one project or students can specialise in one material as part of the non-examined assessment (50% of the final grade). A design folio of research, sketching and CAD drawings will be produced which lead to making the final product in this assessment.

During year 12 students will complete a series of mini projects and regular theory lessons in preparation for the final assessments in year 13.