

LONG TERM PLANS

Year Overview (GCSE Resistant Materials Year 11)



ADT Faculty

Design and Technology – GCSE Product Design YEAR 11

Aims: PD 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. The distinction between Designing and Making is a convenient one to make, but in practice the two often merge. For example, research can involve not only investigating printed matter and people's opinions, but also investigating e.g. proportions, adhesives, colour, structures and materials through practical work.

Pupils will develop their Personal Learning and Thinking Skills, e.g. - by carrying out Independent Research for PLT tasks and by working both as individuals and in teams in the classroom when carrying out practical activities.

The delivery focuses on Investigating the **Design Context, Development** of design proposals (including **modelling**), **Making** and **Testing and Evaluation**. **Communication** quality is assessed throughout the folder. It includes the technical background, but it is largely based around a series of practical skills development tasks.

The Pupils will be asked to reflect on their skills as part of their assessment activity and to complete mock tests to confirm understanding in preparation for exam.

Cross curricular links: (English) Spelling and correct use of language and terminology is vital for accurate work and transmission of ideas.

(Maths) Accurate marking out and use of materials -dimensions / measuring needed to work within tolerances for assembly of various products.

Year 11 focusses on controlled assessment, portfolio development and exam preparation.

Key Assessment Activity: *practical making of a mixed material product, an A3 design portfolio and an end of course external examination.*

Mock exam in December based on previous year's actual paper.