



Resistant Materials

KS3

Who is this course for?

This course is a practical approach into Design and Technology that encourages students to design and make products with creativity and originality in a variety of practical activities, using a range of materials and techniques.

What will I learn?

In Year 9 students develop the design and making skills they have acquired during their middle school education to that of a level required of students progressing onto the GCSE Design and Technology: Resistant Materials course.

What will I do?

Students will undertake a specialist task which will require students to design and make a portable MP3 speaker for a smartphone. The project will enable students to explore a range of specialist plastic workshop tools and equipment to help them to realise their personalised designs. Students will gain the opportunity to develop a greater understanding and appreciation for the whole design process, from working with a set design brief, conceptualising a design, through to the evaluation of the final outcome. This is achieved in the form of an A3 design portfolio, consisting of a collection of research and design pages, demonstrating how the student evolved their idea into the final outcome they have constructed.

How will I be assessed?

Students work will be assessed regularly, with personalised reviews and feedback of their design work contained in their A3 portfolios. Students' progress and understanding will also be tracked through their practical making tasks, which will demonstrate a student's ability in a given task. Student's ability will be assessed against the Design and Technology programme of study for KS3, as set out by the Department of Education for England.