

KS3 Design and Technology

We undertake a number of varied and exciting projects in design and technology. We focus on the area of 'Product Design' as a STEM subject, making possible further study and careers in this area post sixteen. All students can expect to work with and learn about a broad range of materials such as woods, manufactured boards, plastics, styrofoam and metals as well as using a number of ready-made components. Students will also gain experience of industrial techniques such as CAD/CAM. Projects have been specifically designed to cover many areas so students gain maximum benefit from the subject. As well as Resistant Materials projects, we also cover basic electronics, systems and control where students learn how to solder.

Students are supported to participate in every stage of the design process. This can include activities such as researching, analysing products, designing, developing ideas, modelling, planning, constructing, testing and evaluating. The subject really does offer something to cater for every pupil's interests; whether it is drawing, making or planning, we build on their skills (regardless of ability) and develop their confidence and independence in the workshop.