

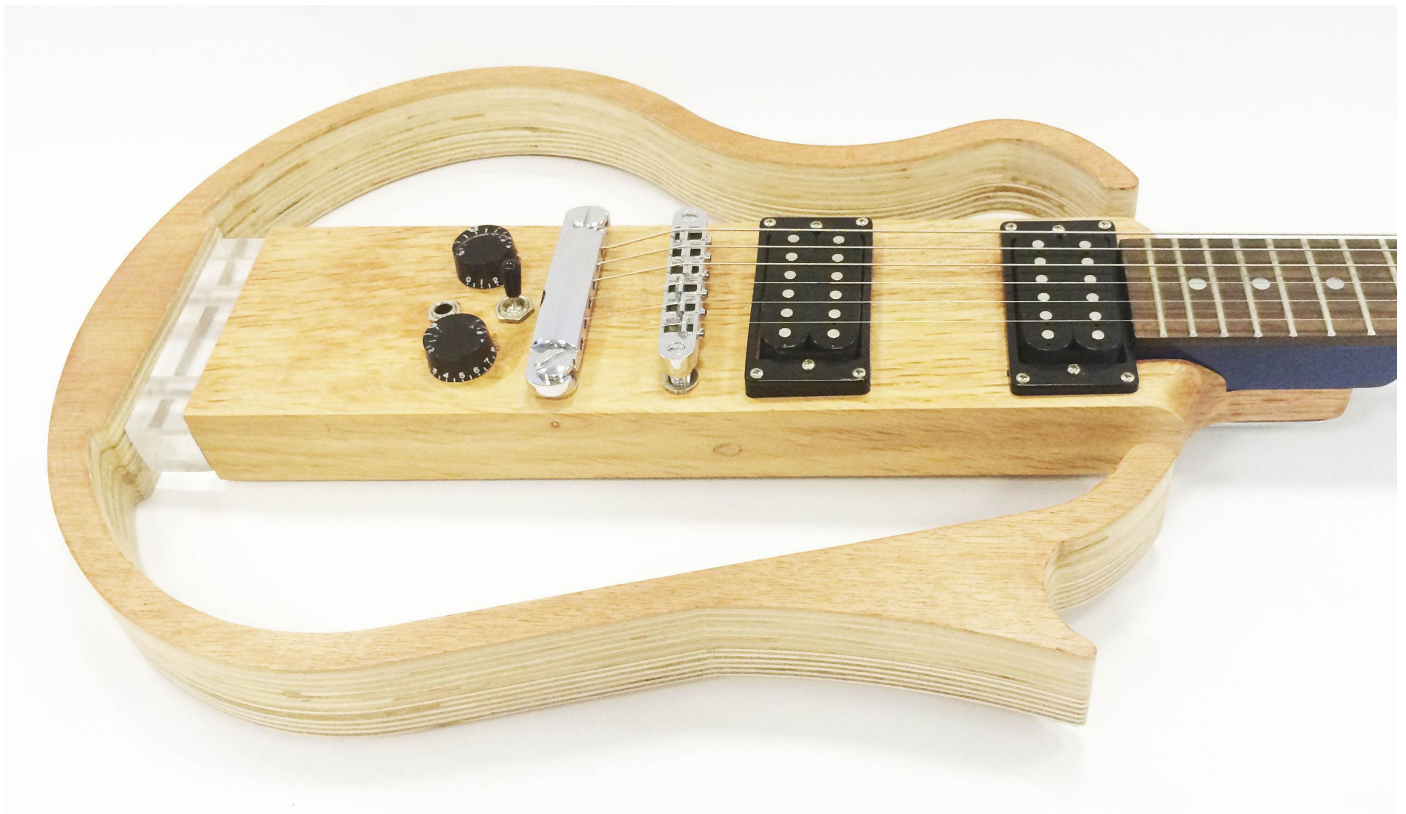
Design Technology

CAMBRIDGE IGCSE

Why study Design Technology?

Design and Technology enables students to identify, consider and solve problems through creative thinking, planning and design and by working with different media, materials and tools. Students gain technical and design awareness as a result, and develop skills such as initiative, resourcefulness, enquiry and ingenuity. They also develop the communication skills central to design making and evaluation.

The Cambridge IGCSE in Design and Technology provides an ideal basis for further study and prepares students for their future within a rapidly changing technological society.



What will I learn?

Students will learn to develop creative thinking in a range of areas that are relevant to design and technology, being able to apply problem solving skills to practical and technological problems. During the course students will develop the communication skills central to design, making and evaluation, applying knowledge and understanding to the design and making of products, taking into consideration sustainability and the wider impact on society.

We encourage students to apply learning to areas of personal interest, allowing them to develop a range of transferable skills, from verbal and visual communication to research and analytical skills. Students opting to take Design and Technology at Rossall will develop the ability to make aesthetic, economic, moral and technical value judgements. Utilising the latest forms of 3D CAD modelling, 3D printing and laser cutting students will have the opportunity to develop their design concepts.

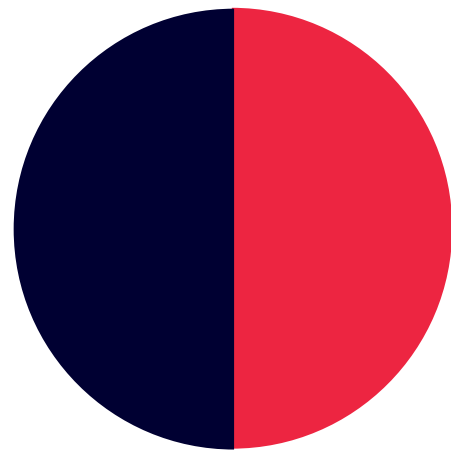
How will I be assessed?

Component 1

Assessment is via two written examination papers. Paper one (Product Design) is one hour and fifteen minutes and tests design thinking. Paper two is one hour and tests the student's focus area. These two papers account for 50% of the course marks.

Component 2

The final 50% of the course marks are based on a design project; this is a school-based assessment and consists of a design portfolio and a physical working prototype model.



50% - Written Papers
50% - Coursework

What can I do after I've completed the course?

The Design and Technology IGCSE leads into both Design and Technology at IB Diploma level, or be Cambridge Pre U, Product Design and Sustainable Architecture at Sixth Form. Both of these courses will then allow access to a multitude of design and engineering courses ranging from transport design and architecture to consumer product design, marketing, industrial design consultancy, project planning, technical sales, furniture design, CAD/CAM, interior/exhibition design, advertising and display design.