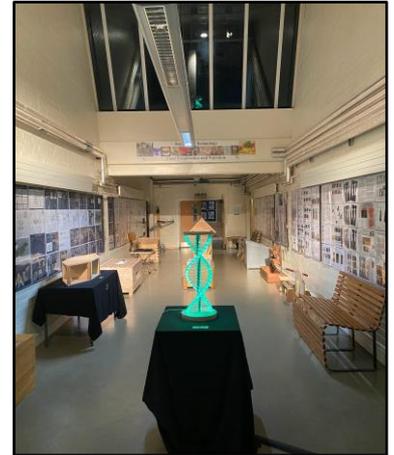


The Design and Technology Department

The Design and Technology Department at Chipping Norton School is a strong, cohesive and supportive team where innovative teaching techniques are trialled, shared and encouraged. We aim to provide engaging lessons in which students are challenged to really think about the entire design process. Students are taught in mixed ability groups across the key stages. Our whole-school pedagogical ethos of high-TEMPO teaching focuses on well-designed tasks, expert explanations, thorough and frequent modelling, and highly structured periods of practice; all of these strands of excellent teaching and learning help support and stretch students in a mixed-ability environment.

Our Department Intent

Within the Design and Technology curriculum we want students to learn and understand about different materials and manufacturing processes, along with how this affects the environment around them. We want students to gain knowledge and understanding not just as future designers, engineers and chefs, but as future consumers of products in society. We pride ourselves within the department when giving students creative freedom, allowing them to explore and experiment with new materials and manufacturing processes.



We want students to have an enjoyment within the subject and develop an interest in the practical and creative design process. Our curriculum, within Design & Technology, is intended to be an ambitious, creative and skilled experience that allows students to apply theoretical knowledge, creativity and practical knowledge into challenging outcomes. Taking the technical knowledge they have gained into their practical knowledge where they will be physically using the materials and processes they have learnt about. We want all students to have access to a challenging curriculum that builds them in scaffolded stages towards becoming our next generation of designers, engineers or chefs through progression onto sixth form, college, university degrees or apprenticeships. Or just to have the confidence and knowledge to understand the importance of Design and Technology within the real world.

The Curriculum

During key stage 3, students follow an ambitious curriculum, which is based around the National Curriculum. Within the planning we have based this around the key principles of Design and Technology: technical knowledge, practical knowledge, design influences and the design process. Students enjoy a wide curriculum throughout key stage 3, building and developing skills in textiles, food preparation & nutrition, CAD/CAM, electronics and resistant materials. Allowing students to build their interest and enthusiasm, as well as knowledge, into Key Stage 4.

In years 10 and 11, students can choose to study Resistant Materials (AQA), Textiles (Edexcel) or Food Preparation and Nutrition (Eduqas).



A level in Design and Technology: Product Design (AQA) is traditionally a strong and popular option with many students going on to study at university, or advanced apprenticeships. We also offer A level Fashion and Textiles, also with AQA.



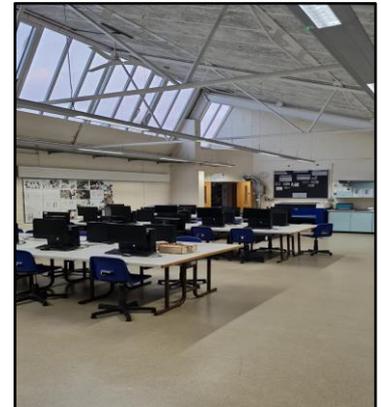
Examination results at GCSE and A level are consistently strong. Through recent development of the key stage 4 and 5 curriculum and the high expectations of engagement, behaviour and output of students have allowed us to celebrate recent results, including:

- 78% of students achieved grade 9-4 in Resistant Materials.
- 78% of students achieved grade 9-4 in Food Preparation & Nutrition.
- 100% of students achieved grade A*-C in A level Product Design.

The new post holder will need to be capable of teaching up to and including A level, along with the potential of being able to teach across all areas within Design and Technology. All teachers deliver a balanced curriculum at key stage 3 where students enjoy four lessons per fortnight, and students are taught within specialism at ks4 and ks5, where we have six lessons per fortnight in years 10 and 11 along with eight lessons a fortnight at A level. Excellent teacher subject knowledge at GCSE and A level ensures a high level delivery within lessons.

Staffing, Resources and Accommodation

The Design and Technology curriculum is delivered by four experienced specialist teaching staff. This team is supported by one design and technology technician and one food technician. The department facilities are excellent and very well resourced, which includes; two multiuse resistant materials workshops, one multiuse metals workshop, two textiles rooms, one food room, a CAD/CAM suite with, 30 computers, laser cutter and 3D printer along with a further graphics room with a further 30 computers. Wirelessly networked, each room has a projector, two of which are 75 inch SmartTouch boards. All staff are provided with laptop computers.



Informal visits to the school are welcome; please email the Head of Department Keith Newton at newton@chippingnortonschool.org to make an appointment.

