



Archbishop Tenison's

CHURCH OF ENGLAND HIGH SCHOOL

SIXTH FORM: Design & Technology



Design & Technology A Level Course Overview

Students will build on their design skills that were delivered in both KS3 and KS4. There is no prior learning in D&T required by the course, but it would obviously be an advantage. The course follows a similar structure to that of the GCSE D&T, but the learning is to a greater depth and the skill level in making and communication, in all its forms, are much higher.

The course has two elements, a written examination and then a design and make project. In Year 12 students will prepare for the examination, exploring influences in design, methods of communication, including Computer Aided Design and Manufacture (CAD/CAM). They will investigate the properties of materials and relate these to manufacturing methods.

In Year 13 the students will complete a design and make project where they will manufacture a full-sized, working prototype of the design project.



What's great about Design & Technology at Tenison's Sixth Form?

Students gain confidence throughout studying A Level D&T and will aim for a place in higher education or a high-level apprenticeship.

Our D&T classes are smaller than what you would be used to at GCSE.

This allows students get that one-to-one guidance and help. The D&T department continues to invest in new technologies that are relevant to industry standards and that prepare students for their future careers.

D&T lessons let students explore their creativity and have a friendly atmosphere where students feel comfortable and happy.



Opportunities and Successes

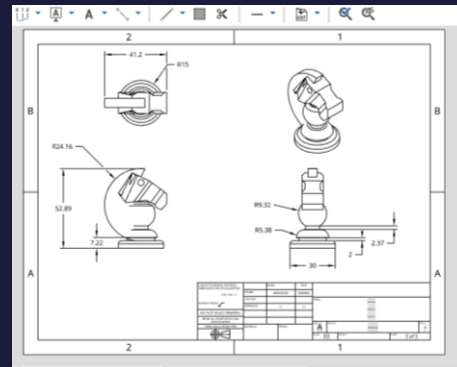
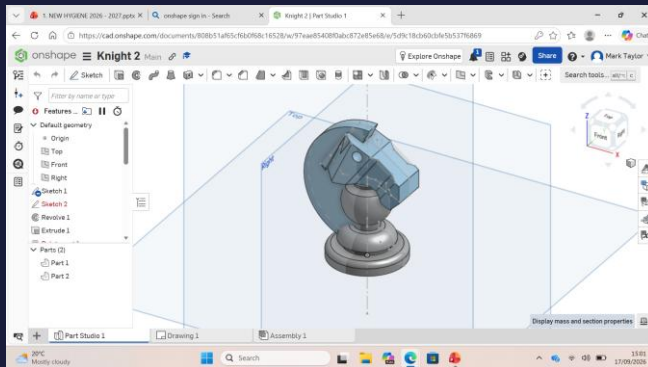
- *Trips to London museums and professional partners.*
- *Involvement in additional projects working with external professions who coach and mentor students through a real engineering/design scenario.*
- *Introduces key skills required but industry, included formal engineering drawing skills, production planning and Computer Aided Design and Manufacture (CAD/CAM).*
- *Completion of a maths lesson that places mathematics in the context of engineering and design contexts.*
- *Building a portfolio that helps students with their future goals.*



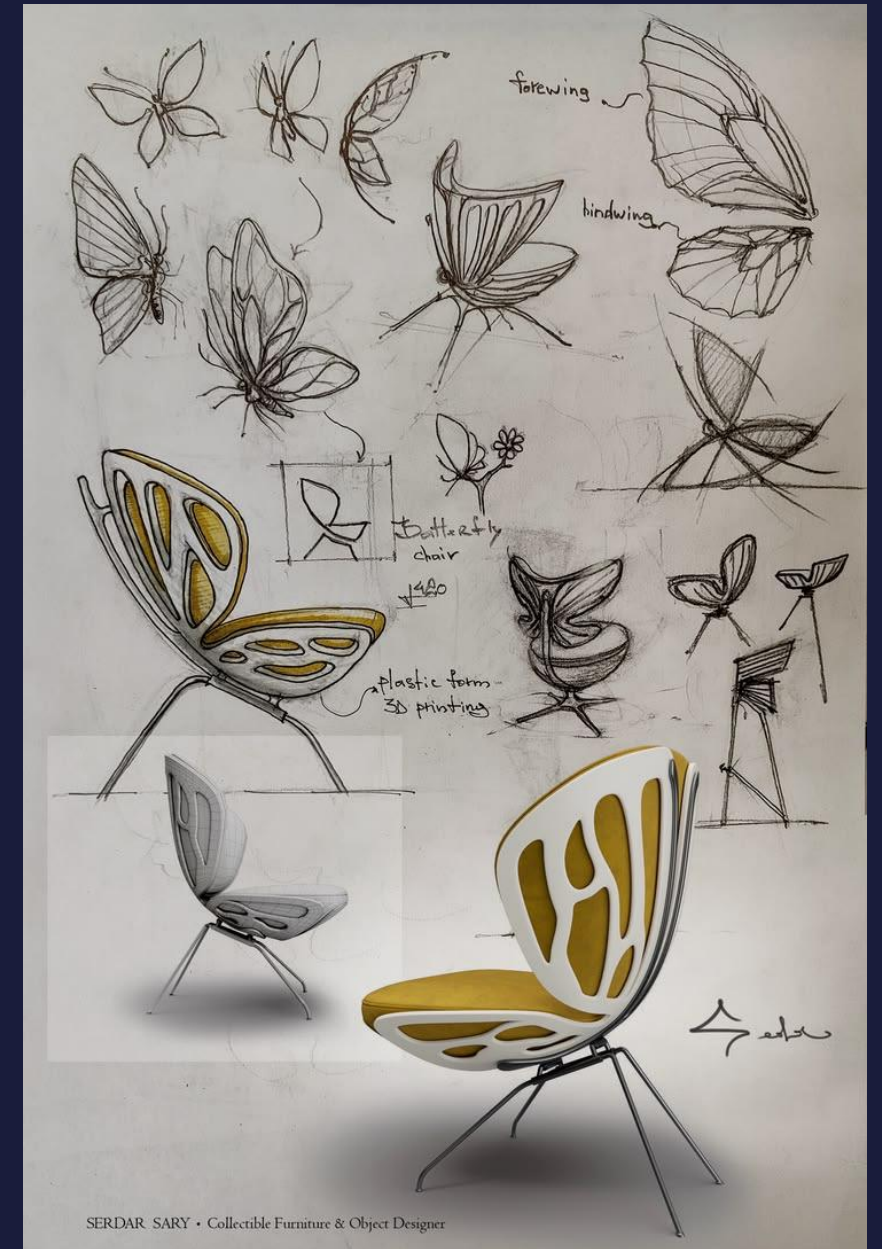
Bauhaus Wassily Chair



Philippe Stark Lemon Squeezer



CAD/CAM



Sketch Ideas