Welcome to Sixth Form

Design Technology: Product Design
Progression to A- Level: Product Design

Congratulations on choosing to study DT Product Design at A-level

The course focuses on iterative design processes. You will be required to use your creativity and imagination to design and make prototypes that solve real and relevant problems, considering both your own and others’ needs, wants and values.
Progression to A- Level: Product Design

We follow the Edexcel specification

Information about the course can be found here: https://qualifications.pearson.com/en/qualifications/edexcel-a-levels/design-technology-product-design-2017.html
Progression to A-Level: Product Design

Topic 1: Materials
Topic 2: Performance characteristics of materials
Topic 3: Processes and techniques
Topic 4: Digital technologies
Topic 5: Factors influencing the development of products
Topic 6: Effects of technological developments
Topic 7: Potential hazards and risk assessment
Topic 8: Features of manufacturing industries
Topic 9: Designing for maintenance and the cleaner environment
Topic 10: Current legislation
Topic 11: Information handling, Modelling and forward planning
Topic 12: Further processes and techniques.
Progression to A- Level: Product Design

Non-Examined Assessment (NEA)
An Independent Design and Make Project
Worth 50% of the A-level

You will:

i) identify and outline possibilities for your design
ii) design a prototype
iii) make a final prototype
iv) evaluate your design and prototype
As product designers, we play an important role in shaping our future. The products we create have the power to transform how societies think, feel and behave. We must be conscious of the social and ethical responsibility that we have; how can we proactively drive positive change within our communities?

Pre-course material can be found at
https://www.calday.co.uk/attachments/download.asp?file=503&type=pdf
Something to listen to...

The First Secret of Great Design, Tony Fadell
https://www.youtube.com/watch?v=9uOMectkCCs

Design and Destiny, Philippe Starck
https://www.youtube.com/watch?v=Z4PwHD7XKj0

Podcast: Future Tense: A critical look at new technologies, new approaches and new ways of thinking
Something to read ...

https://www.complex.com/style/2013/02/the-50-most-iconic-designs-of-everyday-objects/
The 50 most iconic designs of everyday objects

Explore future careers at https://www.ucas.com/job-subjects/design-technology

http://www.technologystudent.com/
Something to watch...

**Objectified (2009)** - A feature-length documentary about our complex relationship with manufactured objects and, by extension, the people who design them

https://www.netflix.com/gb/title/80057883

2 Netflix series about the art of design

https://www.bbc.co.uk/programmes/m000gwzg

‘How to Make’ series started at the beginning of April on BBC Four
We look forward to welcoming you to the school

**Thursday 3rd September:** 08.35 to 12.55: Induction for new students to Calday only

**Friday 4th September:** 08.35: All of year 12 returns to school