



HEADLANDS SCHOOL
SINCE 1965

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Headteacher: Mrs Sarah Bone

A Level Design & Technology - Product Design

What will I learn?

- Refine your practical skills and use of materials
- Performance characteristics of materials, fixings, finishes
- Analytical study of existing products and key historical design movements and designers
- Modelling using card, plastics, wood and other materials to produce 3D artefacts
- Communication of design ideas through various media
- Digital Technologies - Computer Aided Design and Computer Aided Manufacturing
- Working knowledge of modern manufacturing systems
- Awareness of the profound impact of technological activity on society and environment
- Mathematical and scientific knowledge relevant to the subject

How will I be assessed?

Students will be assessed in two ways, each worth 50% of the qualification

Component 1: Principles of Design and Technology - Written Exam

- An exam of 2 hours 30 minutes, including short open questions, extended writing questions and some drawing.
- Much of the exam focus will be on the evaluation of products, manufacturing processes, design philosophy, aesthetics, social and environmental impact of design.
- Calculators and rulers are required for the exam.

Component 2: Independent Design and Make Project - Non-examined assessment (NEA)

- A substantial project, to test your skills in designing and making. Identifying a problem, research, design, making and evaluation.

Is there anything else I need to know?

Students will be expected to spend additional hours per week outside of lesson time on independent study or research and practical workshop activities.

:PRIDE :ASPIRE :RESPECT



The Schools Network
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 The Quality in Careers Standard >>>>

<http://qualifications.pearson.com/en/qualifications/edexcel-a-levels/design-technology-product-design-2017.html>

Future Opportunities?

This course could lead to further study at degree level or HND/HNC and careers or apprenticeships in: Product/Industrial Design, Architecture and Construction, Graphic Design, Theatrical Design, Engineering, Technical Support, D&T Teaching.

This course also supports students in a wide range of other fields of study and employment where problem solving and practical skills are important.