

PRODUCT DESIGN

GCSE

Edexcel



What is Design and Technology?

It is an area of study that focuses on planning, designing and creating things (called "products") which people use.

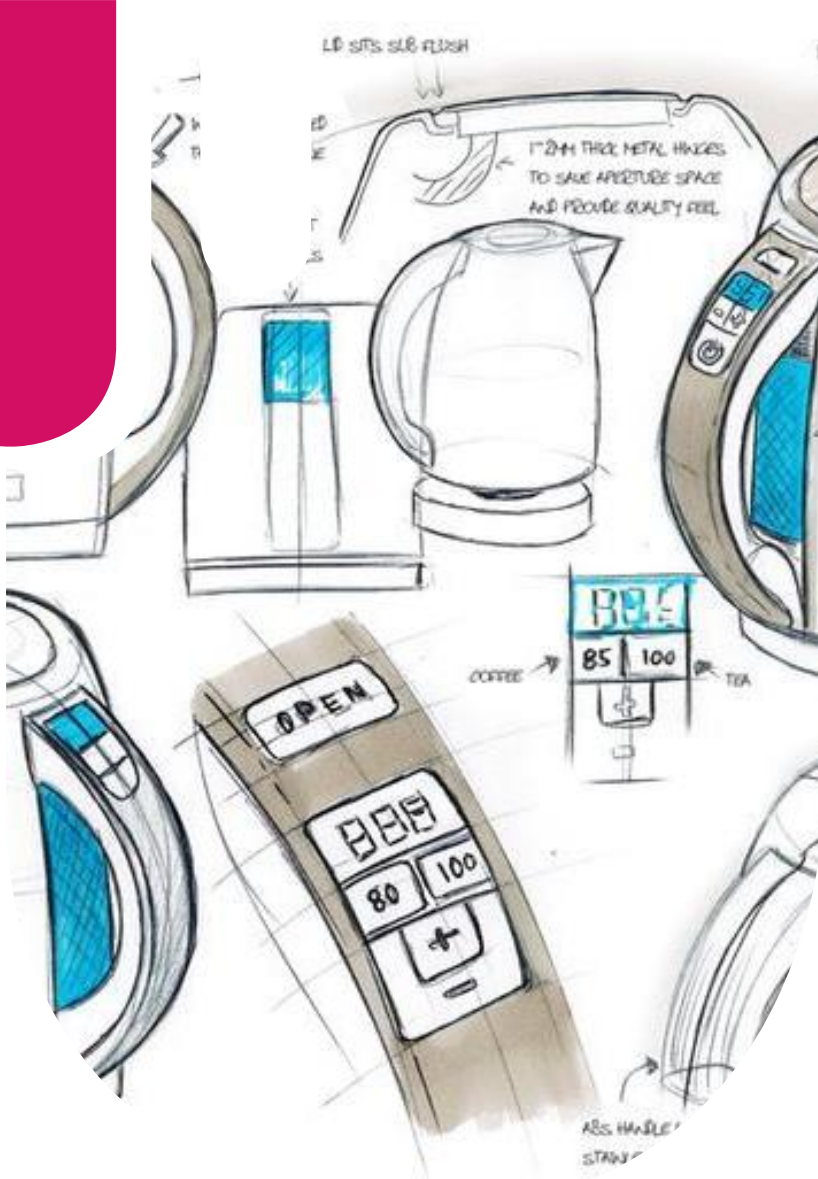


What skills will I get with Product Design?

By studying Product Design, you'll be able to build up your creativity, problem solving, planning, and evaluation skills. Since many projects are done via group work, you'll also gain communication and teamwork skills. Not to mention a great work out of your creativity side!



Do you love solving problems and being creative? Or maybe you keep coming up with great ideas?
If that's the case, studying Product Design could be for you. The subject can open you up to a lot of career choices..



What will the course look like?

Year 10 Theory and Skills development.

- You will delve into the theoretical side of the course in a wide range of ways. You will have hands of experiences with tools and equipment. As well as creating stimulating revision materials to support your exam knowledge.

Year 11 Course work

- You will undertake a project based on a **contextual challenge** released by us a year before certification.
- The project will test your' skills in investigating, designing, making and evaluating a prototype of a product.
- Task will be internally assessed and externally moderated.
- The marks are awarded for each part as follows.
- 1 – Investigate (16 marks)
- 2 – Design (42 marks)
- 3 – Make (36 marks)
- 4 – Evaluate (6 marks)

50% Exam

Component 1

Written examination:

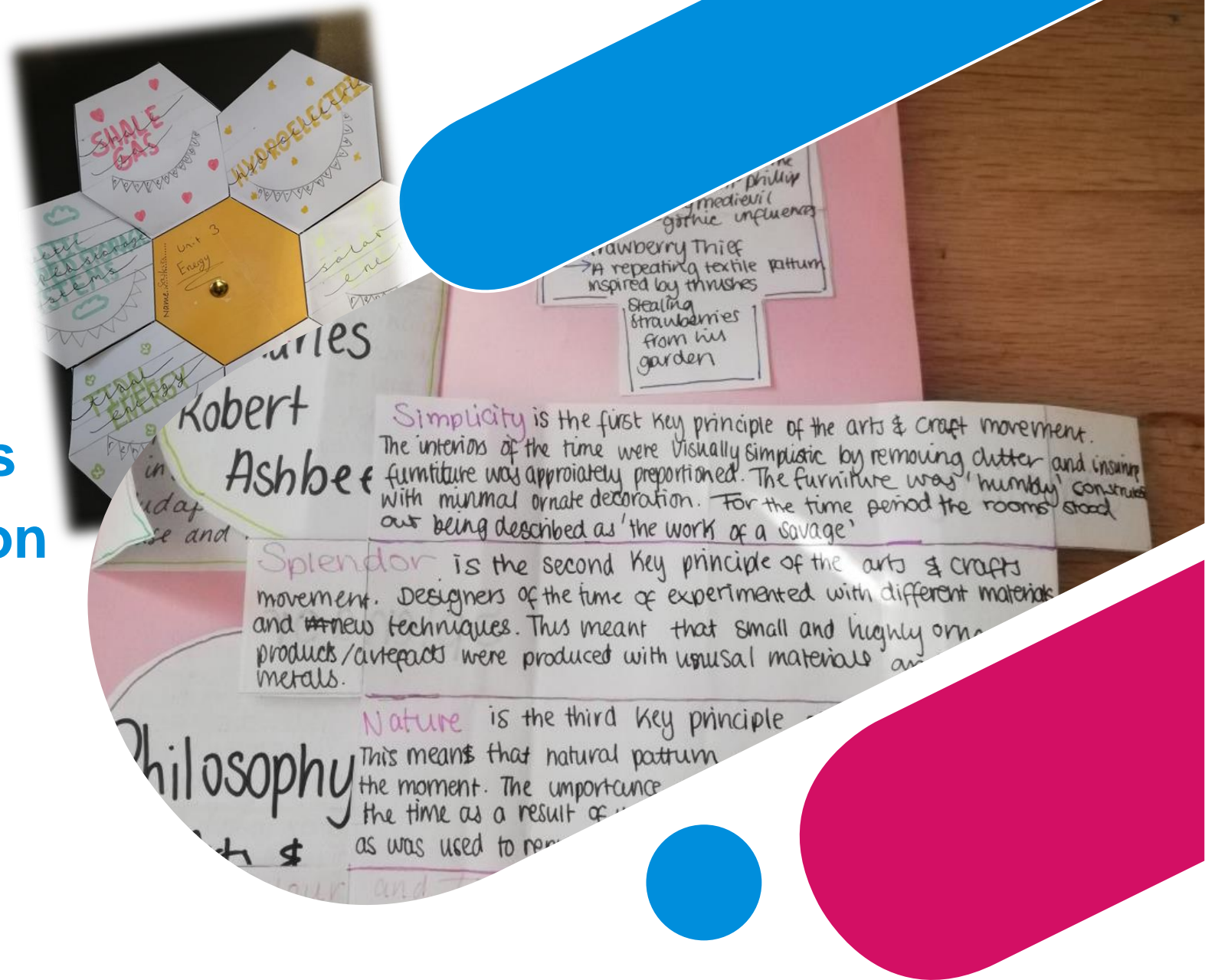
1 hour and 45 minutes

50% of the qualification

100 marks

Section A- Core content

Section B- Timbers



50% COURSE WORK

Component 2

Non-examined assessment

100 marks

Content overview

There are four parts to the assessment:

1 – Investigate

This includes investigation of needs and research, and a product specification

2 – Design

This includes producing different design ideas, review of initial ideas, development of design ideas into a chosen design, communication of design ideas and review of the chosen design

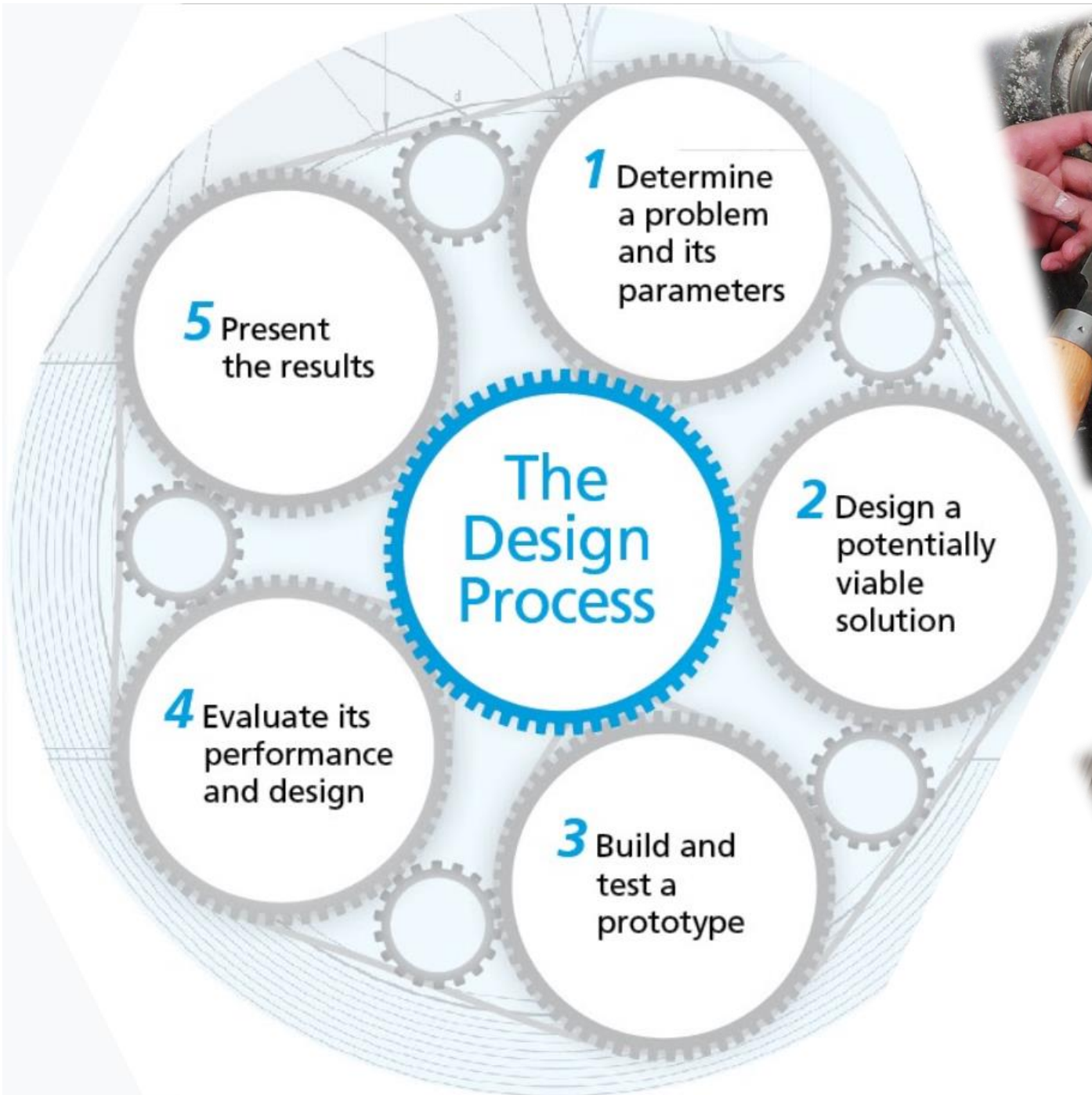
3 – Make

This includes manufacture, and quality and accuracy

4 – Evaluate

This includes testing and evaluation.





What facilities do we have to offer?







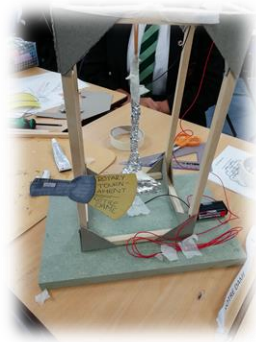
A-level Product Design @ NDHS

Careers/ Futures

Modelling
3D Drawing
Product designer
Construction
Carpenter
Furniture design
Graphic design
Graphic communication
Electronics
Architect
Computer Aid Design
Engineering
Industrial design
Construction and building

Degree courses
Foundation degree courses
Apprenticeships
Industry jobs
BTEC courses





Trip and Experiences opportunities

Visits to NUA
Sainsbury Centre
Print to the People-work shops
Engineering Arkwright Scholarship
Formula 1 in schools competition
Rotary Engineering Competition
New Designers exhibition London
New Blood exhibition London
Harry Potter World
The Design Museum



What do the students say?



“Freedom of the Imagination” MAISIE

“Helps to build my foundation knowledge of engineering ”TOBY

“At GCSE level is more freedom, the teacher is there to support and give us guidance.” ALISSA

“Its an opportunity to be practical and creative with out having to be good at art” JOHN

“I love Product Design because I can express my thoughts and ideas to create my product” ALLISAH

“I like being able to create my own product that is completely unique!” PAIGE

“It teaches me how to present my thought processes and development well” IZZIE

Links to websites



<https://www.bbc.co.uk/bitesize/examspecs/zb6h92p>

<https://www.nua.ac.uk/>

<https://designmuseum.org>

<https://www.f1inschools.co.uk/>

<https://www.arkwright.org.uk/>

<https://www.newdesigners.com/>

<https://www.printtothepeople.com/>

<https://www.wbstudiotour.co.uk/>

<https://www.rotaryclubnorwich.co.uk/technology-tournament-2018.html>

THANK YOU!

If you have any questions please
Email: rholden@ndhs.org.uk

