



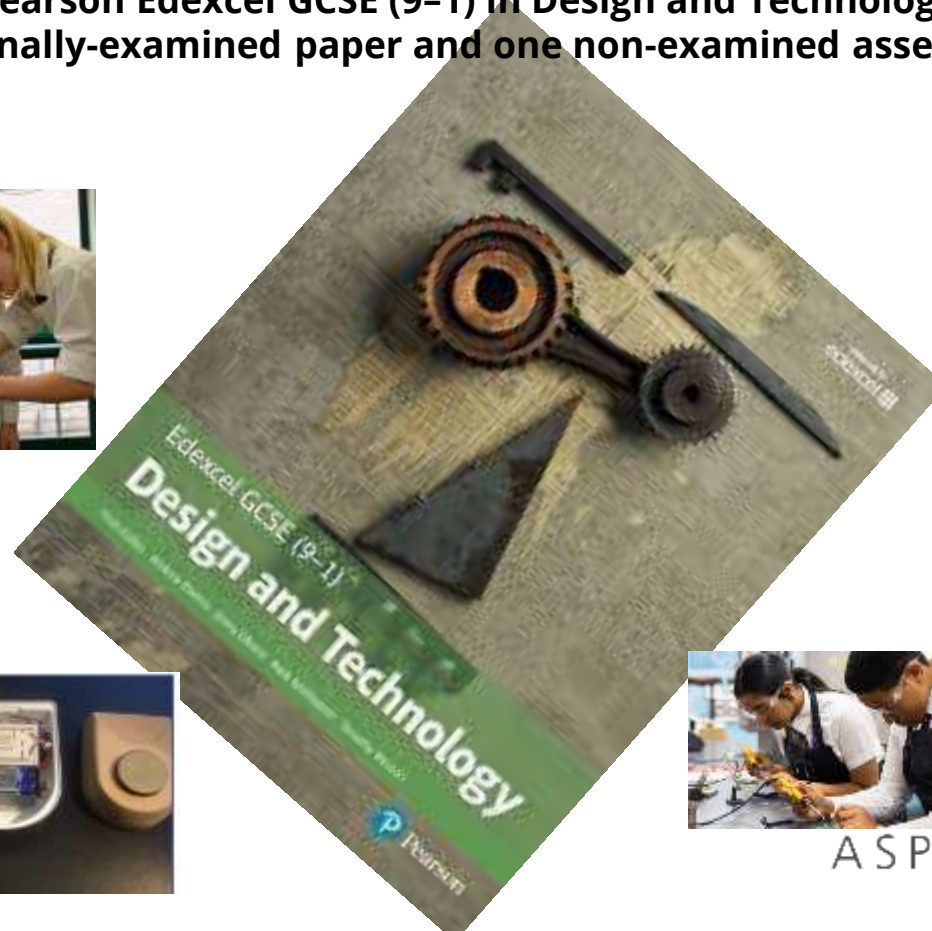
Design and Technology

K McDonald

Qualification overview

- Exam board - Pearson Edexcel**

The Pearson Edexcel GCSE (9-1) in Design and Technology consists of one externally-examined paper and one non-examined assessment component.



ASPIRE • BELIEVE • ACHIEVE

Qualification overview

Component 1 (*Paper code: 1DT0/1A, 1B, 1C, 1D, 1E, 1F)

**Written examination: 1 hour and 45 minutes 50% of the qualification
100 marks**

Content overview

1 – Core content
and any **one** from the following material categories:

- 2 – Metals
- 3 – Papers and boards
- 4 – Polymers
- 5 – Systems
- 6 – Textiles
- 7 – Timbers



Assessment overview

The paper consists of two sections.

Section A: Core

This section is 40 marks and contains a mixture of different question styles, including open-response, graphical, calculation and extended-open-response questions. There will be 10 marks of calculation questions in Section A.

Section B: Material categories

This section is 60 marks and contains a mixture of different question styles, including open-response, graphical, calculation and extended-open-response questions. There will be 5 marks of calculation questions in Section B.

Calculators may be used in the examination.

Component 2 (Paper code: 1DT0/02)

Non-examined assessment 50% of the qualification 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.



King's Academy
Prospect



Assessment overview

- Students will undertake a project based on a contextual challenge released by us a year before certification.
- This will be released on 1 June and will be available on our website.
- The project will test students' 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.

ASPIRE • BELIEVE • ACHIEVE

How will students be assessed?

1 – Investigate- This includes investigation of needs and a product specification.

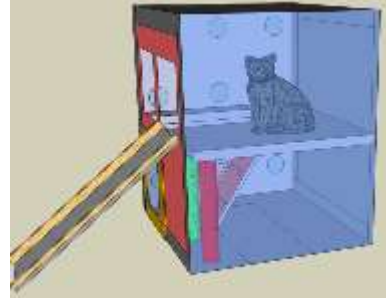
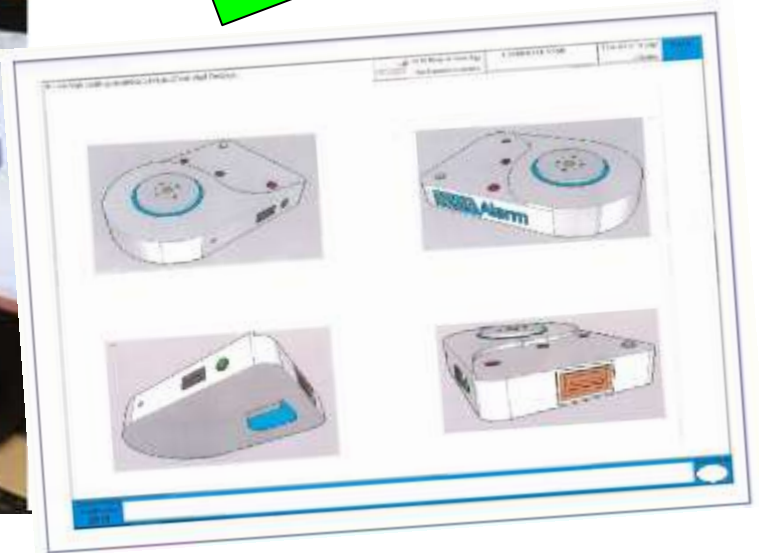
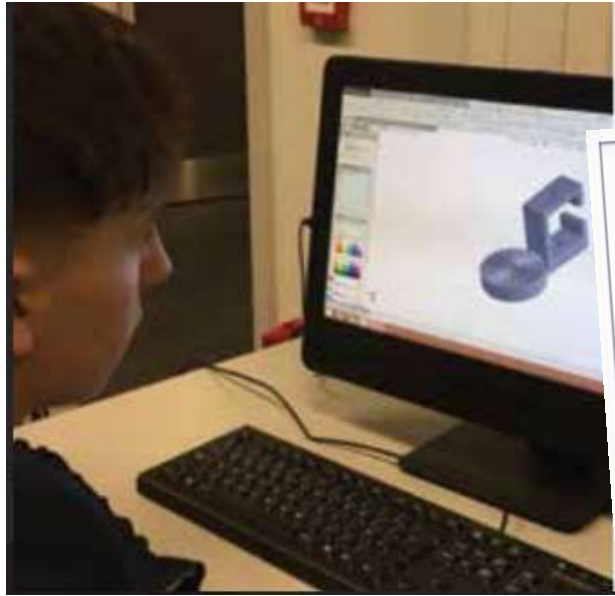
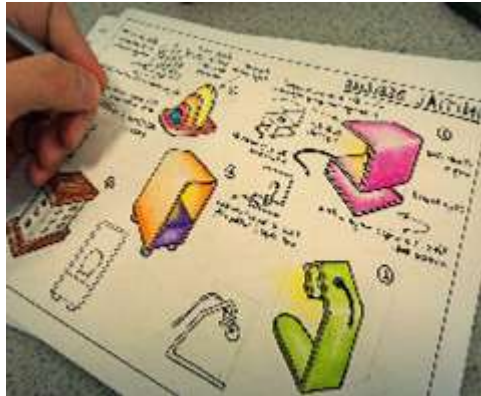
Investigate (16 marks)



How will students be assessed?

2 – Design-This includes producing different design ideas, development of design ideas into a chosen design.

- Design (42 marks)



How will students be assessed?

3 – Make- This includes manufacture and quality and accuracy



Next steps & Enrichment opportunities



Outline linked post-16 studies

- Students can continue onto A-Level Product Design at Kings Academy Prospect
- T-Level (Offer students practical and knowledge-based learning at a school or college and on-the-job experience through an industry placement)
- Vocational- (Engineering ,Construction, motor vehicle, etc)
- UTC- Engineering- (Reading)

Outline linked career paths

There are many Career choices which Design Technology can support. Some of these are:

ENGINEERING and CONSTRUCTION

Civil engineering
Construction
Mechanical engineering
Robotics
Armed forces
Electronics engineering
Aerospace
Automotive engineering
Services & infrastructure
Architecture

FASHION and TEXTILES

Hosiery
Footwear
Clothing
Menswear/womenswear
Materials development
Furniture
Accessories
Sportswear
Aerospace
Automotive
Carpets
Fashion/haute couture
Interior design

ELECTRONICS and SYSTEMS & CONTROL

Robotics
Computing
Digital media
Transport
Broadcasting
Security
Armed forces
Electronics
Aerospace
Automotive
Services & infrastructure

DESIGN

Product design
Robotics
Industrial
Automotive
Carpet manufacture
Fashion/haute couture
Interior design
Packaging
Games industry
Advertising
Marketing
Digital media
Publishing
Film and media

Questions?

