

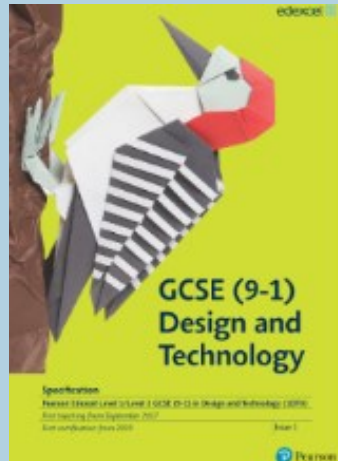
Career Opportunities:

- **Commercial Designer**
- **Teaching Design & Technology**
- **Building Technician**
- **Engineering**
- **Armed Services**
- **Working in Industry**
- **Carpenter & Joiner**
- **Garage Work**
- **3D Design**
- **Cabinet Making**
- **Electrician**

For more information please speak to your Technology teacher

Website Link to this qualification:

[http://qualifications.pearson.com/content/dam/pdf/GCSE/design-and-technology/2017/specification-and-sample-](http://qualifications.pearson.com/content/dam/pdf/GCSE/design-and-technology/2017/specification-and-sample)



**THE POLESWORTH SCHOOL
DESIGN & TECHNOLOGY
DEPARTMENT**

**EDEXCEL
RESISTANT MATERIALS
ROUTE**

This course will help you to:-

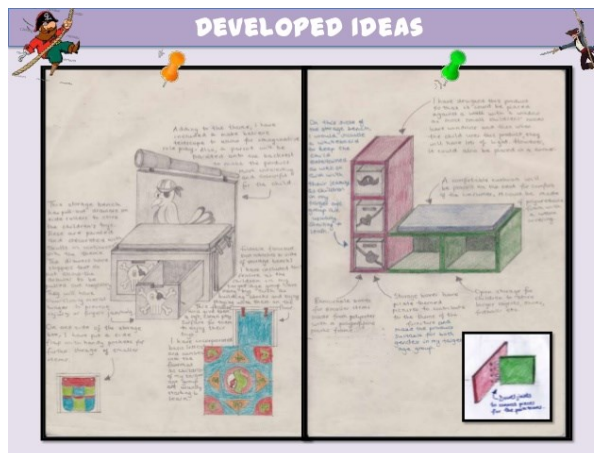
- develop a broad knowledge of materials, components and technologies
- develop practical skills to produce high quality products.
- develop decision making skills through both independent, team and collaborative work
- communicate your decisions effectively to a third party
- be able to read, interpret and work from drawings, plans and instructions
- be able to produce working drawings and production plans
- develop an understanding of quality.
- use materials efficiently.
- demonstrate safe working practices
- use key technical terminology.

What does the qualification consist of? Exam:

- Written exam, externally assessed
- 1 hour and 45 minutes
- 50% of qualification
- 100 marks

The paper includes calculations, short-open and open-response questions as well as extended-writing questions focused on:

- Analysis and evaluation of design decisions and outcomes, against a technical principle, for prototypes made by others
- Analysis and evaluation of wider issues in design technology, including social, moral, ethical and environmental impacts.
- Students must answer all questions in section A (40 marks).
- Students must choose one specialism in section B – either Metals, Papers and Boards, Polymers, Systems, Textiles or Timbers (60 marks).
- Students must have calculators and rulers in the examination



NEA Coursework



- Non-examined assessment, internally assessed and externally moderated
- 50% of qualification
- 100 marks

Three contextual challenges will be provided by the board on 1st June each year, from which students must choose one to respond to.

Projects will be internally assessed and externally moderated.

- Students will produce a project which consists of a portfolio and a prototype
- The portfolio will contain approximately 20 to 30 sides of A3 paper (or electronic equivalent)

There are four parts to the assessment:

- Part 1: Investigate
- Part 2: Design
- Part 3: Make
- Part 4: Evaluate