

# Design Technology GCSE

# Why choose Design Technology at GCSE?

Design Technology encourages you to develop design and thinking skills that will open up a world of possibility, giving you the tools to create the future. You will follow a new specification that offers exciting opportunities to be both creative and practical. It will involve the development of many transferable skills that can be applied throughout your learning, whether during A level or further education.

The course provides a broad depth of experience upon which to draw and enables a full understanding of the design process and industry. You will relate to authentic real-life situations, analyse existing products and design and make a product to solve a problem that you have identified within a selected set context.

# Structure of the course

- **Component 1: Edexcel 1DT0/1B, 1E, 1F**

50% of the qualification, 100 marks

The paper consists of two sections. Section A is assessed on the core content covered by all subjects, and Section B is assessed on the specialist category students have chosen:

1DT0/1B - Papers and boards (Graphics), 1DT0/1E – Textiles.

- **Component 2: Non-examined assessment**

50% of the qualification, 100 marks

Students select a question and identify a problem they then design and make solutions for. There are four parts to the assessment: Investigate, Design, Make and Evaluate.

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# Methods of study and assessment

## Year 10:

You will study core technical aspects of all design areas including; metals, papers and boards, polymers, systems, fibres and textiles, and timbers. You will cover your selected specialist area in more detail.

A mini NEA is also completed where students complete a design project from the research stages through to manufacture and evaluation of a final outcome.

## Year 11:

A full NEA is completed where students identify a problem and develop a range of potential solutions, develop those ideas until a final outcome is produced which will then be tested and evaluated.

# Methods of study and assessment

## Non-examined assessment

Students will **investigate** a chosen topic, this includes considering needs of users, researching a chosen problem, and creating a product specification.

They will go on to **design** solutions using a combination of hand sketching, rendering and computer aided design. These designs will be developed before reviewing the chosen design.

The **making** process includes model making, practicing various techniques, and manufacture taking into account quality and accuracy.

Finally the final outcome will be tested and **evaluated**.

# GRAPHICS- PAPER AND BOARD: Example manufacture

## Example NEA topics:

Theme 1

- Primary Schools

Theme 2

- Hotels

Theme 3

- Supermarkets





# TEXTILES: Example manufacture

## Example NEA topics:

### Theme 1

- Primary Schools

### Theme 2

- Hotels

### Theme 3

- Supermarkets

You will be able to apply all of the decorative and construction skills learnt in year 9

- Screen printing
- Block printing
- Couching
- Tie-dye
- Batik
- Applique
- Mola
- Hand embroidery
- Free machine embroidery
- Seams
- Hems
- Button & button holes
- Pockets



Click on this audio symbol to hear how the work in **Year 10** links to the non exam assessment in **Year 11**.

Click on this audio symbol to hear what we do in **Year 10** Textiles.

What can I make?.....Anything your skills will allow!



# TEXTILES: Example designs

## Example NEA topics:

### Theme 1

- Primary Schools

### Theme 2

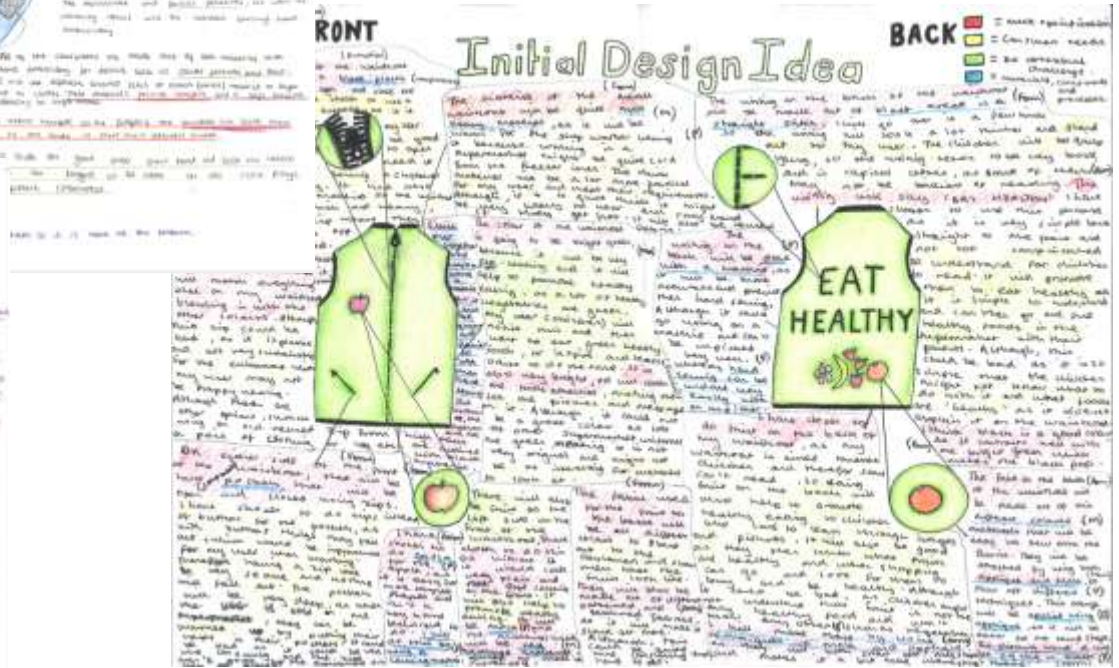
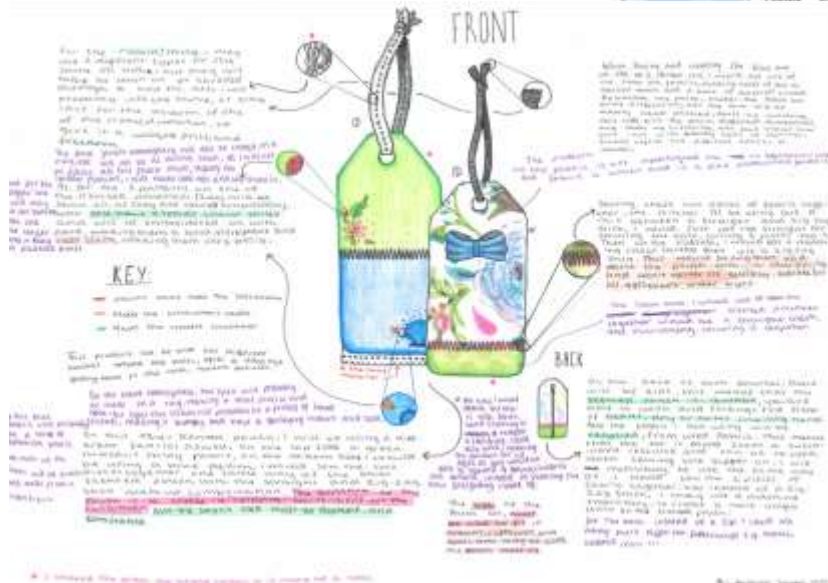
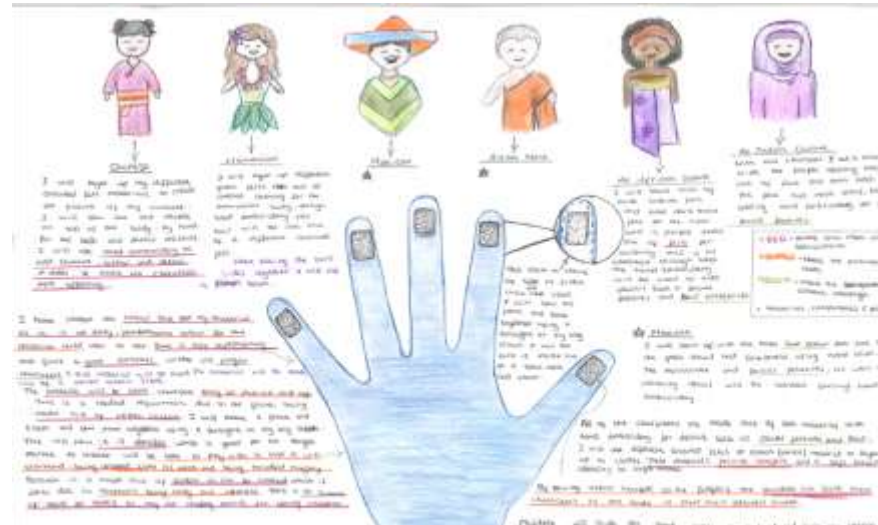
- Hotels

### Theme 3

- Supermarkets



Click on the audio symbol to hear all about the design process.



# Future career options

The variety of skills students develop including creativity, digital design, analysis, and the impact we have on the environment can lead to careers in various areas including:

- Product designer
- Graphic Designer
- Fashion Designer
- Interior / Stage Designer
- Architect
- Engineer
- Fashion buyer
- Social Media Manager
- Digital Content Creator

