



Design & Technology: Textiles

What will I learn about?

The Edexcel GCSE in Design and Technology– Fashion and textiles technology allows students to:

- Make decisions, consider sustainability, and combine skills with knowledge and understanding in order to design and make quality products.
- Explore ways in which aesthetic, technical, economic, environmental, ethical and social dimensions interact to shape designing and making.
- Analyse existing products and produce practical solutions to needs, wants and opportunities, recognising their impact on quality of life.
- Develop decision-making skills through individual and collaborative working.
- Understand that designing and making reflect and influence cultures and societies, and that products have an impact on lifestyle.
- Develop skills of creativity and critical analysis through making links between the principles of good design, existing solutions and technological knowledge.

How will my work be assessed?

Component	Overview	Assessment
Examination (50% of your qualification)	<p>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.</p> <p>Analysis and evaluation of wider issues in design technology, including social, moral, ethical and environmental impacts.</p> <p>The paper is split into section A “core” and section B “material” categories.</p>	<p>Exam 1hr 45mins Total of 100 marks Students must answer all questions in Section A (40 marks).</p> <p>Students must choose one specialism in Section B: either Metals, Papers and Boards; Polymers; Systems; Textiles or Timbers (60 marks).</p>
Design & Make (50% of your qualification)	<p>Three contextual challenges will be provided, you must choose one to respond to.</p> <p>You will produce a project which consists of a portfolio and a prototype.</p> <p>There are four parts to the assessment: Part 1: Investigate; Part 2: Design; Part 3: Make; Part 4: Evaluate</p>	<p>Non-examined assessment, internally assessed and externally moderated.</p> <p>Total of 100 marks</p>

Who can I speak to for more information?

For more information about Design and Technology Textiles please speak to Mrs Booker, or alternatively contact options@penistone-gs.uk



Food Preparation and Nutrition

Why should I study GCSE Food Technology?

This is a qualification offered to students who would like to study practical cooking skills, nutrition, food provenance and the working properties of food. Practical work involves planning and making a wide range of food products to enable learners to feed themselves and others affordably and nutritiously.

What will I learn about?

Areas of study include:

- Food, Nutrition and Health
- Food Science
- Food Safety
- Food Choice
- Food Provenance

You will develop your practical skills throughout the course to become more independent in your choice of dishes, adapting foods to suit different requirements and client groups. Practical work will include working with bread, pastries, cakes, cereals, meat, fish, eggs, dairy, fruit, vegetables and meat alternatives.

How will my work be assessed?

EXAMINING BOARD WJEC Educas	Time	Percentage	Marks
Written Exam	1 hour 45 minutes	50%	100
Non-exam assessment			
<ul style="list-style-type: none"> ● Task 1 -Food investigation ● Task 2 -Food preparation assessment (Both tasks include written and practical work)	10 hours 3 hours	15% 35%	30 70

Who can I speak to for more information?

For further information about Food Preparation and Nutrition please speak to Mrs Hamstead, Second in Department Technology or contact options@penistone-gs.uk.



Design & Technology: Graphic Products

What will I learn about?

- The Design and Technology – Papers and Boards (Graphic Products) GCSE will enable you to build innovative design skills, make decisions, consider sustainability and combine skills with knowledge and understanding in order to design and make quality products.
- In year 10 students will develop architectural and interior modelling skills by designing and making a break-out space for the Post 16 centre here at Penistone Grammar School. Focused on User Centered Design, this project will build skills and knowledge of a broad range of techniques and materials used by designers in the modern world.
- Students will also design and make Promotional displays and pop up books to develop their working knowledge of papers and boards and also graphical communication skills using either traditional methods or Photoshop depending on the student's individual strengths.
- Students will build on their working knowledge of a range of CAD packages used by designers in a broad range of sectors including 2d design, Sketch up and Photoshop.

How will my work be assessed?

Component	Overview	Assessment
Examination (50% of your qualification)	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. The paper is split into section A “core” and section B “material” categories.	Exam 1hr 45mins Total of 100 marks Students must answer all questions in section A (Core- 40 marks). Students will study section B, Papers and Boards. This covers raw material processing all the way to sustainable disposal and recycling. (60 marks).
Design & Make (50% of your qualification)	Three contextual challenges will be provided, you must choose one to respond to. You will produce a project which consists of a portfolio and a prototype. There are four parts to the assessment: Part 1: Investigate; Part 2: Design; Part 3: Make; Part 4: Evaluate	Non-examined assessment, internally assessed and externally moderated. Total of 100 marks

Who can I speak to for more information?

For more information about Graphic Products please speak to Mr Dobson, Curriculum Area Leader: Technology or contact options@penistone-gs.uk.