

## Assessment Overview

- You will be assessed by **one examined paper**
- The paper is 2 hours long.
- Paper 1: Design and Technology:
  - What will be assessed? Theoretical knowledge of Design and technology.
- There are three different assessment objectives:
  - SECTION A - Core Technical Principles
  - SECTION B - Specialist Technical Principles
  - SECTION C - Designing and Making Principles

## Paper 1 – this summer

The paper will consist of:

- Multiple choice questions
- Short questions and extended style questions.
- Orthographic and Isometric drawing

# Gosfield School: Technology



ESTABLISHED 1929

Gosfield School



REVISION GUIDE



Area for Revision	Resources	Strategy
<p>Produce quality, orthographic drawing in 3<sup>rd</sup> angle projection.</p> <p>Understand the different demands of different scales of production.</p>	<p><a href="https://teams.microsoft.com/_#/ClassNotebook/General">https://teams.microsoft.com/_#/ClassNotebook/General</a>                      Isometric / orthographic Grids  <a href="http://www.Technology student.com">www.Technology student.com</a></p>	<p>Practice basic orthographic drawing</p> <p>Research the scales of production</p>
<p>CAD/CAM &amp; ICT input and output devices and their function.</p> <p>Properties of Materials.</p> <p>Original source of materials.</p>	<p><a href="https://teams.microsoft.com/_#/ClassNotebook/General">https://teams.microsoft.com/_#/ClassNotebook/General</a>  <a href="http://www.BBCBitesize.co.uk">www.BBCBitesize.co.uk</a>                      Coursework  <a href="http://www.Technology student.com">www.Technology student.com</a></p>	<p>Research CAD/CAM.</p> <p>Research Material properties.</p> <p>Research material sources.</p> <p>Use notes and sketches explain the process of changing it from primary source to stock form.</p>
<p>QC marks &amp; symbol.</p> <p>Specialist Technical Principles (Forces &amp; Stresses).</p> <p>Classification and working properties of materials (Textiles).</p> <p>Classification and working properties of materials (Plastics).</p>	<p><a href="https://teams.microsoft.com/_#/ClassNotebook/General">https://teams.microsoft.com/_#/ClassNotebook/General</a>  <a href="http://www.BBCBitesize.co.uk">www.BBCBitesize.co.uk</a>  <a href="http://www.mr-dt.com/revisiontests.htm">www.Technology student.com</a>  <a href="http://www.mr-dt.com/revisiontests.htm">http://www.mr-dt.com/revisiontests.htm</a></p>	<p>Produce a flow chart of a manufacturing system.</p> <p>Research Forces and Stresses.</p> <p>Name the categories of textiles/plastics.</p> <p>Research properties of textiles/plastics.</p> <p>Pro's and Con's of textiles/plastics.</p>
<p>Functions, uses and applications of 'smart'/modern materials.</p> <p>Recognise that designers are influencing new product design.</p> <p>Renewable energy sources.</p>	<p><a href="https://teams.microsoft.com/_#/ClassNotebook/General">https://teams.microsoft.com/_#/ClassNotebook/General</a>  <a href="http://www.BBCBitesize.co.uk">www.BBCBitesize.co.uk</a>                      Coursework  <a href="http://www.Technology student.com">www.Technology student.com</a></p>	<p>Research Smart materials, their applications.</p> <p>Refer to previous research into past and present designers.</p> <p>Research renewable energy sources and their Pros and Cons.</p>
<p>The use of fair trade cotton, recycled components and biodegradable packaging.</p> <p>Anthropometrics and Ergonomics.</p>	<p><a href="http://www.Technology student.com">www.Technology student.com</a>  <a href="http://www.BBCBitesize.co.uk">www.BBCBitesize.co.uk</a>  <a href="https://teams.microsoft.com/_#/ClassNotebook/General">https://teams.microsoft.com/_#/ClassNotebook/General</a></p>	<p>Evaluate how the use of such materials might be seen as the ethical choice.</p> <p>Name two anthropometric measures that might be used in the design of a watch. Explain why each is appropriate.</p>