

## ASSESSMENT PREPARATION - USEFUL RESOURCES

Hodder Revision Guide

Textbook

Practice Questions on Any User

<https://www.technologystudent.com/>

## ASSESSMENT CONTENT

Please refer to the table for topic overviews. Complete practice questions from your textbook.

PAPER 1: TECHNICAL PRINCIPLES

PAPER 2: DESIGN & MAKING PRINCIPLES

	WHAT TO REVISE	ANY QUESTIONS
<b>Week 1</b>	<ul style="list-style-type: none"> <li>BSI certification</li> <li>Stock forms</li> <li>Material finishes</li> <li>Intellectual rights</li> <li>Environmental impact of materials</li> </ul> <b>METALS:</b> <ul style="list-style-type: none"> <li>classifications</li> <li>enhancements</li> <li>Processes – forming / wasting/ redistribution/joining.</li> <li>Finishing</li> </ul> <b>PLASTICS:</b> <ul style="list-style-type: none"> <li>classifications</li> <li>enhancements</li> <li>Processes – forming / wasting/ redistribution/joining.</li> <li>Finishing</li> </ul>	
<b>Week 2</b>	<ul style="list-style-type: none"> <li>CAD vs hand designing</li> <li>Inclusive design</li> <li>Maths</li> <li>Testing material properties in the workshop and in industry</li> </ul> <b>WOOD /TIMBER:</b> <ul style="list-style-type: none"> <li>classifications</li> <li>enhancements</li> <li>Processes – forming / wasting/ redistribution/joining.</li> <li>Finishing</li> </ul> <b>COMPLIANT MATERIALS/PAPERS AND BOARDS:</b> <ul style="list-style-type: none"> <li>Printing processes</li> <li>Paper finishing</li> </ul>	
<b>Week 3</b>	<ul style="list-style-type: none"> <li>Suitability of a material for high end sports equipment</li> <li>Knock down fittings</li> <li>JIT manufacturing</li> </ul> <b>SMART MATERIALS</b> <ul style="list-style-type: none"> <li>MODERN MATERIALS</li> </ul>	
<b>Week 4</b>	<ul style="list-style-type: none"> <li>Ergonomic factors</li> <li>WEEE directive</li> <li>Environmental design and manufacturing of products</li> </ul> <b>DESIGN MOVEMENTS</b> <ul style="list-style-type: none"> <li>Arts n Crafts</li> <li>Art Deco</li> </ul>	

	<ul style="list-style-type: none"> <li>• <b>Bauhaus</b></li> <li>• <b>Memphis</b></li> <li>• <b>**Modernism vs post modernism**</b></li> </ul>	
<b>Week 5</b>	<ul style="list-style-type: none"> <li>• Maths</li> <li>• QA and QC</li> <li>• Virtual modelling techniques</li> <li>• Advancements in microelectronics</li> </ul> <b>DESIGNERS</b> <ul style="list-style-type: none"> <li>• <b>Philippe Stark</b></li> <li>• <b>James Dyson</b></li> <li>• <b>Margaret Calvert</b></li> <li>• <b>Dieter Raams</b></li> <li>• <b>Charles and Ray Eames</b></li> <li>• <b>Marianne Brandt</b></li> </ul>	
<b>Week 6</b>	Free Choice up until the exam	