

<b>Subject</b>	<b>GCSE Design &amp; Technology – 11DtD-1</b>
<b>Paper</b>	<p><b>Paper 1</b>          Section A – Core technical principles (20 marks) A mixture of multiple choice and short answer questions assessing a breadth of technical knowledge and understanding.          Section B – Specialist technical principles (30 marks) Several short answer questions (2–5 marks) and one extended response to assess a more in depth knowledge of technical principles.          Section C – Designing and making principles (50 marks) A mixture of short answer and extended response questions.</p>
<b>Work/skills/activities being covered in lesson leading to exams</b>	<p><b>Week 1</b>          Completion of NEA</p> <p><b>Week 2</b>          Completion of NEA</p> <p><b>Week 3</b>          Completion of NEA</p> <p><b>Week 4</b>          Completion of NEA</p> <p><b>Week 5</b>          Completion of NEA</p> <p><b>Week 6</b>          3.1.1 Revision of new and emerging technologies in relation to their impact on contemporary and potential future scenarios in relation to the following areas:          - Industry, Enterprise, Sustainability, People, Culture, Society, Environment, Production techniques and systems, and how the critical evaluation of new and emerging technologies informs design decisions.</p> <p><b>Week 7</b>          3.1.2 Revision of energy generation and storage, ensuring understanding of how energy is generated and stored and how this is used as the basis for the selection of products and power systems.          3.1.3 Revision of developments in new materials including modern materials, smart materials, composite materials and technical textiles.</p> <p><b>Week 8</b>          3.1.5 Revision of mechanical devices including different types of movement, and changing the magnitude and direction of forces.          3.2.7 Revision of scales of production.</p>

	<p><b>Week 9</b> 3.2.3 Revision of Ecological and social footprint including the 6 R's.</p> <p><b>Week 10</b> 3.1.6.1 Revision of material categories including 'papers and boards', '<b>natural and manufactured timbers</b>', '<b>metals and alloys</b>', <b>polymers</b>, and textiles with the focus being on those in bold,</p> <p>Due to the late date of the exam in D&amp;T there are a further four weeks before exam day which will focus on past papers and exam technique.</p>
<p><b>Areas to revise as a priority leading to exams</b></p>	<ul style="list-style-type: none"> <li>• Materials and systems – specifically pages 14-33 of the revision guide.</li> <li>• Key ideas in Design and Technology – specifically pages 2-13 of the revision guide.</li> <li>• Woods metals and polymers – specifically pages 58-73 of the revision guide.</li> </ul>
<p><b>Suggested methods of revision</b></p>	<ul style="list-style-type: none"> <li>• Create and use flashcards for key terminology and content facts.</li> <li>• The revision guide provided on email.</li> <li>• Topic by topic exam papers provided and their mark schemes. Complete, (using revision guide if required but aiming to reduce the reliance on this as time progresses) before self-assessing against the mark scheme and then creating revision cards for the areas where errors were made.</li> <li>• Past papers available on AQA website. Practice the past papers and check against mark scheme and then creating revision cards for the areas where errors were made.</li> </ul>