

Design Technology KS4 provision – GCSE AQA Design technology

	Term 1 Aug-Oct	Term 2 Nov-Dec	Term 3 Jan-Feb	Term 4 Mar-Apr	Term 5 Apr-May	Term 6 Jun-Jul
Year 10: GCSE DT	<p>Materials & Properties Paper & Board Types of wood Manufactured board Polymers Metals & Alloys Smart and modern materials Forces & Stresses Forces and stresses Materials & properties Systems approaches to designing Communication Skills Communication skills https://www.bbc.co.uk/bitesize/examspecs/zby2bdm https://app.senecalearning.com/</p> <p>Oct – KLT topic review</p>	<p>6Rs Scales of production Investigation of data Work of others Design strategies</p> <p>6Rs Scales of production Investigating data Anthropometrics & Ergonomics Disassembly Work of others Design strategies</p> <p>Communication skills – CAD focus 2D design recap</p> <p>Seneca assignments</p>	<p>Selection of materials and components Tolerances Material management Tools and equipment Surface treatments and finishes</p> <p>Selection of materials & components Standard components Tolerances Surface treatments and finishes</p> <p>Communication skills Communication Skills</p> <p>Jan – KLT 2 topic review</p>	<p>Sources, origins & properties Working with specialist materials Commercial manufacturing Industry & enterprise Sustainability & Environment People, culture & Society</p> <p>Sustainability Environment Polymer - Commercial manufacturing</p> <p>Communication skills Communication Skills</p> <p>Mar = KLT Topic review</p>	<p>Production techniques and systems Informing design decisions Energy generation & storage Modern materials Smart materials Composite materials</p> <p>Focused Revision retrieval</p> <p>Communication skills Communication Skills</p> <p>May WTM</p>	<p>Systems approach to designing Electronic system process Mechanical devices</p> <p>50% overall GCSE grade Externally set by AQA Contextual challenge investigation Introduction to NEA Grade 9 DT NEA Section A NEA - Task analysis NEA Client profile NEA - Product Analysis NEA Mood board Focused Revision retrieval QLA bespoke homework https://app.senecalearning.com/</p> <p>Full GCSE paper</p>
Year 11: GCSE DT	<p>NEA – 50% overall GCSE grade Externally set by AQA Section B – brief & Spec Section C – Design Ideas</p> <p>Materials & properties Forces and stresses Enhancing materials Polymers Polymer - Commercial manufacturing</p> <p>Oct – KLT 1 topic review</p>	<p>NEA – 50% overall GCSE grade Externally set by AQA Section D - Development Section E - Making</p> <p>Sustainability Impact Scales of production</p> <p>Full GCSE Paper</p>	<p>NEA - 50% overall GCSE grade Externally set by AQA Section E - Making Section F – Evaluation & testing CAD/CAM Manufacturing systems</p> <p>Revision – PPE</p> <p>Jan – KLT 2 topic review (Seneca)</p>	<p>Revision Exam question walkthrough Pt1 Exam question walkthrough Revision QLA bespoke homework https://app.senecalearning.com/ https://www.bbc.co.uk/bitesize/examspecs/zby2bdm Inclusive design – Ergo/Anthro Work of others – Designers Companies</p> <p>Full GCSE Paper</p>	<p>Revision Exam question walkthrough Pt2 Exam question Walkthrough Revision QLA bespoke homework https://www.bbc.co.uk/bitesize/examspecs/zby2bdm https://app.senecalearning.com/</p>	N/A