



## Subject: GCSE Design & Technology Paper: J310/01 Section A and B Checklist

### GCSE D&T – J310/01 Principles of D&T – Year 10 – June 2025

**Student Checklist - A digital version of the OCR GCSE D&T book can be found here** <https://passport.hoddereducation.co.uk/authenticate?referrer=https://boost-learning.com/&app=24>

You all have a student account that uses your **@parkhouseschool.org** e mail. If you have **forgotten your password** click the **Forgotten Password? Link**, and this will ask for your @parkhouseschool.org e mail and **send a reset to your RM Unify e mail account**. You should not need it, but the **Centre ID is 14632** (different to the PHS Centre Number 51219). Once into the **e book**, you will need to **view the Interactive View** and **click the sync button at the top right** to access the bookmarks in your **activity log** (filter by content) **or bookmark option** on the icons to the **left of the book screen**. Click the **black arrow** at the start of each and it will take you to the revision link. **Total marks for the paper is 55, therefore just over 1 min per mark.**

Section A - Question 1	R	A	G
Use <b>CUSTARD</b> – <u>C</u> ircle, <u>U</u> nderline, <u>S</u> cribble, <u>T</u> ry to include keywords in your answer, <u>A</u> ccount for all the marks in the question, <u>R</u> ead through your answer to make sure it makes sense, <u>D</u> on't rush you have 1min 20 per mark <a href="https://www.youtube.com/watch?v=Oslo5tNOJb4">https://www.youtube.com/watch?v=Oslo5tNOJb4</a> and only use the lines identified			
1a i) and ii) 3 marks total – 3.6 minutes: What? and Reason questions - Revise using Boost L for Alloys pg44 or My RN for Alloys pg30			
1b) 1 mark – 1.2 minutes: Reason question - Revise using Boost L for Thermopolymers pg44 or My RN for Thermopolymers pg31			
1c) 2 marks – 2.4 minutes: Identify question - Revise using Boost L for The Primary User and Wider Stakeholders pg2 or My RN pg2			
1d) Identify question – 4 marks – 4.8 minutes - Revise using Boost L for Anthropometrics pg 7 or My RN pg6			
1e) Explain question – 2 marks – 2.4 minutes - Revise using Boost L for Usability pg6 or My RN pg5			
1f) Explain question 4 marks – 4.8 minutes total - Revise using Boost L for Social, cultural, moral and economic considerations pg4 or My RN pg3			
1g) Discuss longer answer question – 8 marks – 9.6 minutes - Revise using Boost Learning for Impact on the environment pg23 or My RN pg11, including weblink to <a href="https://www.bbc.co.uk/bitesize/guides/z96ydxs/revision/1">https://www.bbc.co.uk/bitesize/guides/z96ydxs/revision/1</a>			

Section A - Question 2	R	A	G
Use <b>CUSTARD</b> and show workings out and enter answer in correct space with correct units (where applicable).			
2a i) and ii), b i) and ii), and d i) 11 marks total – 13.2 minutes – Maths questions - Multiplication questions, Area calculation question, Volume calculation question			



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2c) Name question - 1 mark 1.2 minutes - Revise using Boost L for Natural and Manufactured Timber Pg 40 or My RN pg28			
2d ii) Reason question – 1 mark – 1.2 minutes - Revise using Boost L for Cards and Cardboard Pg 39 or My RN pg26			
2e) Drawing question – 4 marks – 4.8 minutes - Revise using Boost L for Working Drawings Pg33, My RN pg21 and <a href="https://technologystudent.com/prddes1/orthogrp1.html">https://technologystudent.com/prddes1/orthogrp1.html</a>			

Section A - Question 3	R	A	G
Use <b>CUSTARD</b> and only use lines identified			
3a i) and ii) Identify and label questions – 5 marks – 6.2 minutes - Revise using Boost Learning for How energy is stored and transferred Pg26, and Boost L for How mechanical systems produce different sorts of movement and types of motion Pg60 or My RN pg16 and pg38.			
3b) Identify question – 2 marks – 2.4 minutes - Revise using Boost Learning for How mechanical devices change the magnitude and direction of forces Pg 64 or My RN pg40			
3c) Describe question – 2 marks – 2.4 minutes - Revise using Boost Learning for How mechanical devices change the magnitude and direction of forces Pg 64 or My RN pg40			
3d) Explain question – 3 marks – 3.6 minutes - Revise using bookmark in Boost L for Modern and Smart Materials Pg 49 or <a href="https://www.bbc.co.uk/bitesize/guides/zncbcj6/revision/1">https://www.bbc.co.uk/bitesize/guides/zncbcj6/revision/1</a>			
3e) Reasons question – 3 marks – 3.6 minutes - Revise using bookmark in Boost L for Renewable and non-renewable sources of energy Pg 26 or My RN pg16-17			

Section B - Question 4	R	A	G
Use <b>CUSTARD</b> and only use lines identified			
4a i) and ii) Reason and alternative questions – 2 marks – 2.4 minutes - Revise using Boost L for Textile fibres and fabrics Pg45 or My RN pg32 and 33.			
4b) Examples question - 2 marks – 2.4 minutes - Revise using Boost L for Impact on the Environment Pg23 or My RN pg15			



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4c) Describe question – 2 marks – 2.4 minutes - Revise using Boost Learning for How electronic systems provide functionality in products Pg67 or My RN pg42-44			
4d) Explain question – 3 marks – 3.6 minutes - Revise using Boost Learning for Colour Pg 10 or My RN pg7			

Section B - Question 5	R	A	G
Use <b>CUSTARD</b> and only use lines/space identified			
Ensure answer to question refers to/is appropriate to product chosen on Page 17 and from Insert			
5a) Commercial manufacture question – 12 marks – 18 minutes – Link in Classrooms of useful videos on YouTube or use <a href="https://www.focuselearning.co.uk/">https://www.focuselearning.co.uk/</a> Username: <b>student@parkhouse34225</b> Password: <b>cumr74a7f</b> – <b>Focus on plastics – Manufacturing processes section</b> Polymers – Revise using Boost Learning for Mass/High volume polymer production methods Pg 223 and My RN pg120-121			
5b) and c) Use of jigs, templates, formers, and/or moulds – 6 marks – 7.2 minutes <a href="https://www.focuselearning.co.uk/">https://www.focuselearning.co.uk/</a> Username: <b>student@parkhouse34225</b> Password: <b>cumr74a7f</b> – <b>Polymer Based Materials section</b> Polymers – Revise using Boost Learning for Using digital design tools Pg 218 and Manufacturing processes using larger scales of production Pg150 or My RN Pg118-121.			
5d) Explain question – Extraction and conversion – 6 marks – 7.2 minutes or use <a href="https://www.focuselearning.co.uk/">https://www.focuselearning.co.uk/</a> Username: <b>student@parkhouse34225</b> Password: <b>cumr74a7f</b> Polymers – Revise using Boost Learning for Extraction and conversion Pg 195 or My RN pg104-105			
6a) Explain question – 4 marks – 4.8 minutes – Marketing and branding - Revise using Boost Learning for Marketing and branding Pg 17 or My RN pg10			
6b) Discuss longer answer – 8 marks – 9.6 marks – New and Emerging technology - Revise using Boost Learning for Ch7 New & Emerging Technologies Pg 74 and The impacts of new and emerging technology Pg 22 and My RN pg 48-49			