

Year 11 Design and Technology: Textiles Mock Exam 2020

The DT exam is 2 hours long. You will need writing and drawing instruments, a ruler, a calculator, and a protractor. The following topics have been selected for this mock paper. You will need to revise **all topics** for your final exam in the summer.

Topics for Section A – 20 marks 10 multiple choice, 4 short answer / mathematics questions	Text book pages	Pocket revision book pages
Enterprise	4	6
Powering Systems – Renewable/non-renewable energy	13-18	14
Product Sustainability	11	13
Paper and boards	46-48	29, 46-54
Timber	49-52	55-60 71-79
Manufactured boards	50-52	31, 56-58
Electronic Systems	31-34	18-21
Mechanical devices	36-44	22-27
Kevlar	28	17
Textiles	89-110 58-62 178-184	36-37 44-45 80-91
Technology in Manufacturing – Different Ways of manufacturing can help Maximise Efficiency	10	7-10
Topics for Section B – 30 marks 6 mixed length questions	Text book pages	Pocket revision book pages
Forces and Stresses	77-80	26-27, 40-41
Quality Control – tolerances (and in section C)	111-112 174-175	100-101
Production of Materials	89-92	80-81

Product Sustainability and Product Sustainability and Social Issues (including the 6Rs)	5, 81-87	11
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Topics for Section C – 50 marks 7 higher value questions including use of data, mathematics and drawing techniques	Text book pages	Pocket revision book pages
Understanding User Needs – anthropometrics/ ergonomics	122-3 120	104
Design Strategies	138-150	112-114
Working Safely	-	124
Treatments and finishes re. textiles	113-115	88-91
More on Drawing Techniques – Orthographic Projection	-	115-118 118
Drawing Techniques – Isometric Drawing, 2D and 3D	151-153 157	115
Exploring and Developing a Design Idea – prototypes/ modelling	104	120-121

For the mathematics questions you will need to know:

- how to calculate areas and volumes
- how to use data in a table
- how to calculate percentages

Other good sources for revision, and test your knowledge, include BBC Bitesize and Technologystudent.com.