SECTION A: Core Technical Principles (multiple choice & short answer questions, 20 marks)

Properties of materials – p.14-15
Paper and Board – p.16
Timber – p.17
Alloys – p.18
Textiles – natural fibres – p.20
Manufactured boards – p.23
Modern Materials: Smart materials, Composites & Technical Textiles – p.33
Forces – p.36
Paper making process – p.44

SECTION B: Specialist Technical Principles (30 marks)

Laser cutting – p.5, 41, 90
Laminating – p.37, 56
Surface finishes for wood – p.72
Scales of production – p.38-39
8 mark question – Benefits of using recycled materials rather than using virgin material to make products – p.9 & 35

SECTION C: Designing & Making Principles (50 marks)

Quality Control, Tolerances & Tests – p.40-41
Good understanding of the work of 2 designers from p.94-95
Ergonomics & Anthropometrics – p.96-97
Market Research – p. 100-101
Modelling ideas – p.106-107
Developing prototypes – p.114-115