

Sector 1: Printing and Publishing, Paper and Board

The written examination paper is split into two sections.
Section A is worth 50 marks and Section B is worth 60 marks.

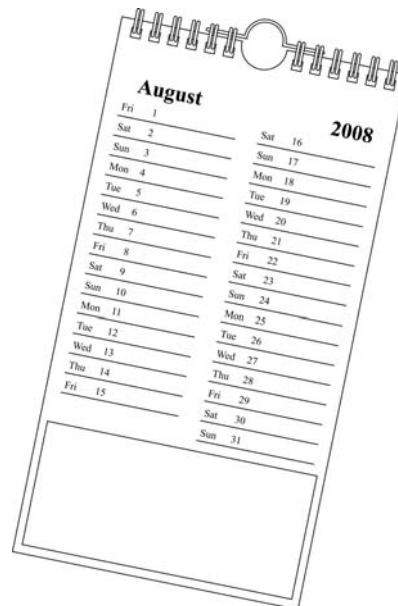
In **Section A** you will need to answer a range of general questions.

To prepare for Section A, you should study and understand the design and manufacture of a range of mass produced products belonging to and used in the *Printing and Publishing, Paper and Board* sector.

You should be able to:

- Name and identify products from this sector including appropriate uses and applications
- Identify a range of transportation and storage symbols often found on packaging and their uses
- Identify the stages in manufacturing products from this sector
- Name and understand the functions of modern materials used in products in this sector
- Identify, apply and evaluate new technologies including CAD/CAM, ICT, systems and control technology and CIM
- Know and understand the benefits new technology can have on a company relating to communications, control of production, automation and retailers
- Know how old technology has been replaced by new technology

For **Section B** you should carry out research into the stages in manufacturing **mass produced wire-bound calendars**.



You should be able to:

- Identify the parts/components used in wire-bound calendars and explain their functions
- Name and explain the functions of modern materials and their impact on product characteristics
- Explain high volume printing processes used in manufacture and know about other processes used
- Name and describe the stages in manufacture
- Explain the impact of quality and computer control when used in design, production and packaging & dispatch.
- Explain how ICT is used and impacts on the stages of manufacturing the wire-bound calendar
- Explain how new technologies impact on materials supply and control, the workforce and the working environment.

You should also familiarise yourself with the *Detailed unit content* section of the GCSE specification – Unit 3: Application of Technology in Manufacturing.