

Candidate Name:



St Swithun's
WINCHESTER

Design and Technology

Sixth Form Academic Assessment

Sample Paper

Time allowed: 1 hour

Instructions to Candidates

Candidates should answer all questions

Further Information

- Please answer questions in the spaces provided.
- You will need a pen, pencil and colouring pencils.

1 Many people use desk tidies to neatly contain stationery on their desks. In the space below

18

a) sketch 3 design ideas for a desk tidy suitable for use in a school classroom that can hold:

- 10 pens / pencils (length = 180mm, diameter = 10mm)
- Block of post it notes (76mm x 76mm)
- Paperclips
- Drawing pins
- 4 white board markers (length =150mm , diameter = 20mm)

Clearly label materials and possible methods of manufacture, considering mass production.

1 Continued.

b) Identify which design you would take forward to develop, stating why.

2

2 The Letter rack shown is similar in style to many that are used in offices.



Source: www.ukofficedirect.co.uk

a) What method of manufacture would be used to produce this item. 1

b) What material could be used? 1

c) Evaluate the design identifying features attractive to the manufacturer. 6

d) Evaluate the design identifying features attractive to the consumer. 6

e) Before commencing manufacture a prototype is made and evaluated. Explain the importance of evaluation. 6
