

Commentary on candidate evidence

The candidate evidence has achieved the following marks for each question of the question paper.

Candidate 3

Section 1

The candidate achieved **45 marks** out of 60 for this section.

Question 1(a)i

The candidate was awarded **1 mark** because 'Red pine' is an accepted response.

Question 1(a)ii

The candidate was awarded **1 mark** because 'easier to get a large board of MDF' is an accepted response.

Question 1(b)i

The candidate was awarded **2 marks** because 'using a steel rule you can measure' and 'using a marking gauge you can make a mark in the centre' are accepted responses.

Question 1(b)ii

The candidate was awarded **1 mark** because 'using tape...stop when the tape reaches the wood' is an accepted response.

Question 1(b)iii

The candidate was awarded **1 mark** because 'finger joints' is an accepted response.

Question 1(c)i

The candidate was awarded **0 marks** because 'Glue' is not an accepted response, as the candidate should refer to the specific type of glue.

Question 1(c)ii

The candidate was awarded **1 mark** because 'using a clamp to hold' is an accepted response.

Question 1(c)iii

The candidate was awarded **1 mark** because 'making sure there are no bristles or dust in the setting varnish' is an accepted response.

Question 1(d)i

The candidate was awarded **1 mark** because 'Copping saw' is an accepted response.

Question 1(d)ii

The candidate was awarded **3 marks** because 'use a file', 'using wet and dry' and 'then polish' are accepted responses.

Question 1(e)i

The candidate was awarded **1 mark** because 'oak' is an accepted response.

Question 1(e)ii

The candidate was awarded **3 marks** because 'using a steel rule find the centre', 'using a compass mark out your circle' and 'using a plane, plane the wood until it is almost a circle' are accepted responses.

Question 1(e)iii

The candidate was awarded **1 mark** because 'using sand paper while it is turning' is an accepted response.

Question 1(f)

The candidate was awarded **1 mark** because 'joins both wood and copper' is an accepted response.

Question 1(g)i

The candidate was awarded **2 marks** because 'using a steel rule to measure the positions of the holes' and 'using an engineer try square then mark them' are accepted responses.

Question 1(g)ii

The candidate was awarded **2 marks** because 'using a mallet ... and an object for the metal to bend around' (former) are accepted responses.

Question 1(g)iii

The candidate was awarded **1 mark** because 'slowing down erosion' is an accepted response.

Question 2(a)

The candidate was awarded **1 mark** because 'whether the tent was easily put up' is an accepted response.

Question 2(b)

The candidate was awarded **2 marks** because 'deciding the questions' and 'analyse data from questionnaire' are accepted responses.

Question 3

The candidate was awarded **3 marks** because 'deciding the aim of the activity' (communicate the purpose), 'being with a group of people' (group activity) and 'throwing in ideas' (lots of ideas) are accepted responses.

Question 4(a)

The candidate was awarded **2 marks** because 'exact measurements' and 'finding every piece within the model' (information on parts) are accepted responses.

Question 4(b)

The candidate was awarded **2 marks** because 'see the model from every angle' and 'can make easy changes' are accepted responses.

Question 5

The candidate was awarded **2 marks** because 'you can get a visual of your product' and 'make changes or advice' (feedback) are accepted responses.

Question 6(a)

The candidate was awarded **1 mark** because 'influenced the height of the back...getting an average of peoples back sizes' is an accepted response.

Question 6(b)

The candidate was awarded **0 marks** because 'making it a more durable material to last longer' is not an accepted response.

Question 6(c)

The candidate was awarded **2 marks** because 'adding a protective layer on the metal' and 'having the materials water proof' are accepted responses.

Question 7(a)

The candidate was awarded **1 mark** because 'new tech pushing our products to become better' is an accepted response.

Question 7(b)

The candidate was awarded **1 mark** because 'having what the market wants' is an accepted response.

Question 7(c)

The candidate was awarded **2 marks** because 'selling under a brand name' and 'creating adverts on the TV' are accepted responses.

Question 8

The candidate was awarded **3 marks** because 'bright yellow colour', 'smooth shape making it look better' and 'racing car or taxi theme suiting the target market' are accepted responses.

Section 2

The candidate received **14 marks** out of 20 for this section.

Question 9(a)i

The candidate was awarded **1 mark**. The candidate has stated an incorrect material - 'aluminium' for the base but the has stated a correct property of aluminium – 'a non-ferrous metal meaning it won't erode over time' so one mark is awarded here.

Question 9(a)ii

The candidate was awarded **2 marks** because 'polypropylene' and 'it is water proof meaning it won't lose shape' are accepted responses.

Question 9(b)

The candidate was awarded **0 marks** because 'ejection lines' and 'grainy surface' are not accepted responses.

Question 9(c)i

The candidate was awarded **1 mark** because 'sand casting' is an accepted response.

Question 9(c)ii

The candidate was awarded **1 mark** because 'injection molding' is an accepted response.

Question 10(a)

The candidate was awarded **3 marks** because 'meaning products are all the same' (repeatability), 'products are sent out much faster' (speed of production) and 'products can get much more intricate' (extremely detailed) are accepted responses.

Question 10(b)

The candidate was awarded **2 marks** because 'less of a need for a labour work force' and 'lowering wages' are accepted responses.

Question 11(a)

The candidate was awarded **1 mark** because 'it is more unique' is an accepted response.

Question 11(b)

The candidate was awarded **3 marks** because 'using protective coats', 'using sustainable and environmentally friendly materials' and adding labels of what can and can't be recycled' are accepted responses.

Total: 59 out of 80 marks