

J3.10 Form silverware components SQA Unit Code H9VR 04

Unit Summary

This unit covers the skills and knowledge required to produce silverware, using forming techniques. You will be required to work to instructions, and to use a range of hand tools and techniques, appropriate to the type of material being used. You will be expected to check the quality of your work, report any defects, to seek guidance to rectify them and to ensure that the finished work meets the given specification which may include timescales.

Performance Indicators

You will be able to:

- a) **Form three-dimensional silverware components** using a range of methods:
- b) Produce both hollow and solid work
- c) Produce silverware using a range of **techniques**
- d) Avoid excessive waste of materials
- e) Check and finish the completed work/work pieces ensuring that they are dimensionally accurate, correctly formed and free from excessive tooling, stretching and blemishes
- f) Complete the work to the given specification

Knowledge and Understanding

You will know and understand:

- 1) How to measure accurately
- 2) The methods of creating three-dimensional forms
- 3) The use of heat treatment techniques in annealing
- 4) How to avoid any unnecessary damage to material surfaces
- 5) How to use and select the correct tools and equipment
- 6) How to make custom tooling
- 7) The suitable materials for making jigs or aids
- 8) The application of raising, forging, chasing, stamping, and spinning
- 9) How to avoid any unnecessary damage to material surfaces
- 10) How to check finished work pieces for dimensional accuracy

Range

You are required to:

- A. **Form three dimensional silverware components** using all of the following methods:
 - (i) Drawing and swaging wire
 - (ii) Blocking and sinking
 - (iii) Jigs
 - (iv) Raising and Planishing

- B. Produce silverware items using two of the following **techniques**
- (i) Spinning
 - (ii) Turning
 - (iii) Stamping
 - (iv) Raising
 - (v) Forging
 - (vi) Scoring and folding