

J3.17 Produce chased items SQA Unit Code H9VV 04

Unit Summary

This unit covers the skills and knowledge required to produce chased products using appropriate techniques. You will be required to work to instructions and to use a variety of techniques. You will be expected to visually check the quality of your work, report any defects and seek advice on the appropriate action to rectify them, and ensure that the finished work meets the required standard.

Performance Indicators

You will be able to:

- a) Correctly interpret drawings, specifications, then transfer to metal using appropriate tools and templates
- b) Design chased images
- c) Prepare, harden and temper punches
- d) Mix and develop pitch recipes
- e) Produce a range of chased work using various **techniques**
- f) Check that the completed work/work pieces are dimensionally accurate, correctly formed, and are free from excessive tooling, stretching and blemishes
- g) Complete the work to the specification in an appropriate

Knowledge and Understanding

You will know and understand:

- 1) How to understand technical drawings and drawn images
- 2) The methods of illustrating ideas, and how to interpret drawings for chased designs
- 3) Relevant mathematical formulae and calculations
- 4) Methods of chasing three-dimensional forms
- 5) The techniques of punch (textured and plain) manufacturing
- 6) The function and use of heat treatment techniques
- 7) How identify the different physical and working properties of metals
- 8) How to select and use the correct tools and equipment for prescribed tasks and processes
- 9) The materials suitable for making jigs or aids for chasing
- 10) How to apply and use forming techniques: snarling
- 11) Silversmithing construction techniques and chasing techniques

Range

You are required to:

- A. Produce a range of chased work using all of the following **techniques**:
 - (i) Flat chasing
 - (ii) Curved work
 - (iii) Repousse work
 - (iv) The detailing of small castings