J4.5 Join jewellery components using advanced techniques SQA Unit Code H9TK 04

Unit Summary

This unit covers the skills and knowledge required to produce jewellery, using advanced joining techniques. These will vary according to the specifications, instructions and design brief. You will be expected to take personal responsibility for your own actions and for the quality and accuracy of the work you carry out during and on completion of, the jewellery production. You need to be able to recognise any defects, to determine the appropriate action to rectify them, and to ensure that the finished work meets the required standard.

Performance Indicators

You will be able to:

a) Join previously formed components, using **advanced joining techniques**:

b) Produce permanently joined components by advanced soldering techniques

c) Design methods to enhance the appearance and strength of joined jewellery components

d) Check the completed work, rectify faults and visually examine to ascertain if the work meets the standard required, and produced in the an appropriate for the task

Knowledge and Understanding

You will know and understand:

1) The specific safety precautions to be taken during the joining of components

2) The wide range of complex joining techniques

3) How to identify the materials to be joined (both precious and non precious, metallic and non-metallic, and the most appropriate joining method

4) The importance of selecting the correct materials and methods of joining or fixing components to achieve maximum strength

5) How to recognize the importance of dry assembling multiple components together before carrying out the joining operations

6) How to prevent faults from occurring during the joining of jewellery components and the procedures to be undertaken if a fault is identified

7) How to check the finished work meets the standard required

Range

You are required to:

A. Join previously formed components using all of the following **advanced joining techniques**

(i) Soldered joints

(ii) Mechanical joints

(iii) Hinge/knuckles

(iv) Riveting

(v) Screw threads