



QCF Unit and Assessment Specification

Unit title	Join Jewellery Components using Advanced Techniques
Ofqual Unit code	F/506/2419
SQA Unit code	H755 80
SSC Ref	J4.5

History of changes

Publication date: August 2014

Version: 01

Version number	Date	Description	Authorised by

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QCF Unit specification

Title	Join Jewellery Components using Advanced Techniques	
Level	4	
Credit value	19	
Learning Outcomes	Assessment Criteria	
The learner will:	The learner can:	
1 Understand the characteristics of materials used to select suitable joining techniques.	1.1 Compare how potential materials for joining can be identified. Materials should include: <ul style="list-style-type: none"> ◆ precious ◆ non-precious ◆ metallic ◆ non-metallic. 	1.2 Critically evaluate the appropriate joining methods that should be used in relation to a variety of advanced jewellery manufacturing materials.
		1.3 Describe the importance of selecting the correct methods of joining or fixing components to achieve maximum strength.
2 Understand how to join jewellery items using a range of advanced techniques.	2.1 Describe the specific safety precautions to be taken during the joining of components.	2.2 Describe a range of advanced joining techniques.
	2.3 Explain the importance of dry assembling multiple components prior to final fixing.	2.4 Describe how to prevent faults from occurring during the joining of jewellery components.
	2.5 Describe the corrective action to be taken when faults are identified.	2.6 Explain how finished work should be checked to ensure it meets the required standard.

Learning Outcomes	Assessment Criteria
The learner will:	The learner can:
<p>3 Be able to join jewellery items using a range of advanced techniques.</p>	<p>3.1 Join previously formed components using advanced joining techniques including:</p> <ul style="list-style-type: none"> ◆ soldered joints ◆ mechanical joints ◆ hinges/knuckles ◆ riveting ◆ screw threads <p>3.2 Produce permanently joined components by advanced soldering techniques.</p> <p>3.3 Develop methods to enhance the appearance and strength of joined jewellery components.</p> <p>3.4 Implement visual checks to ensure work meets the required standard.</p> <p>3.5 Implement checks to ensure that the work is appropriate for the desired task.</p> <p>3.6 Implement procedures to resolve faults when identified.</p>
<p>4 Be able to evaluate own activity to improve future performance.</p>	<p>4.1 Assess the relative success of the methods used to identify areas for improvement.</p> <p>4.2 Evaluate industry research and information to identify where new methods can be used.</p> <p>4.3 Develop conclusions as to how new methods can be improved.</p> <p>4.4 Make recommendations as to how new methods might be effectively be implemented.</p>

Additional information about the Unit
Unit purpose and aim(s)
This Unit provides the skills and knowledge required to produce jewellery using advanced joining techniques.
Unit expiry date
31 December 2015
Details of the relationship between the Unit and relevant National Occupational Standards (if appropriate)
The Unit is based the NOS performance indicators, and Knowledge and Understanding from the National Occupational Standard J4.5 Join Jewellery Components Using Advanced Techniques. This Unit is in the core of Level 4 Diploma in Jewellery Manufacture.
Details of the relationship between the Unit and other standards or curricula (if appropriate)
N/A
Assessment requirements specified by a sector or regulatory body (if appropriate)
Culture and Creative Skills.
Endorsement of the Unit by a sector or other appropriate body (if required)
N/A
Location of the Unit within the subject/sector classification system
9.2 Crafts, Creative Art and Design.
Name of the organisation submitting the Unit
Scottish Qualifications Authority
Availability for use
Shared

Additional information about the Unit (cont)
Availability for delivery
August 2014
Guided Learning Hours
150

QCF Assessment specification

Assessment (evidence) Requirements

This could be in the form of a logbook/workbook showing that the learner can.

Learning Outcome 1

Describe the following:

- ◆ the importance of achieving maximum strength by selecting the correct methods of joining or fixing components
- ◆ compare how potential materials for joining can be identified materials should include precious, non-precious, metallic and non-metallic
- ◆ evaluate critically appropriate joining methods that should be used in relation to a variety of jewellery manufacturing materials

Learning Outcome 2

Describe the following:

- ◆ specific safety precautions to be taken when joining components
- ◆ a range of advanced of advanced joining techniques
- ◆ how to prevent faults from occurring during advanced joining techniques
- ◆ how to take corrective action when faults are identified

Explain the following:

- ◆ the importance of dry assembly prior to final fixing and how to check finished work to ensure it meets the required standard

Learning Outcome 3

Product evidence showing that the learner can join previously formed components including the following advanced joining techniques:

- ◆ soldered joints
- ◆ mechanical joints
- ◆ hinges/knuckles
- ◆ riveting
- ◆ screw threads
- ◆ advanced soldering techniques

Logbook/workbook showing that the learner can:

- ◆ implement visual checks to ensure work meets the required standard and checks to ensure that the work is appropriate for the desired task
- ◆ implement procedures to resolve faults identified
- ◆ develop methods to enhance appearance and strength of joined jewellery components

Assessment (evidence) Requirements

Learning Outcome 4

Logbook/workbook showing that the learner has:

- ◆ assessed the relative success of the methods used and identify areas for improvement
- ◆ evaluate industry research and information to identify where new methods can be used
- ◆ develop conclusions as to how new methods can be improved and make recommendations as to how new methods might be effectively implemented

Guidance on Instruments of Assessment

Learning Outcome 1

Checklist for all the Evidence Requirements above.

Learning Outcome 2

Checklist for all the Evidence Requirements above.

Learning Outcome 3

Assessment checklist for product evidence.

Learning Outcome 4

Checklist for all the Evidence Requirements above.