



Arrangements for:

**National Certificate in
Stringed Musical Instrument Making
and Repair
at SCQF Level 5**

Group Award Code: GE47 45

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1 Introduction

This is the Arrangements Document for the National Certificate (NC) in Stringed Musical Instrument Making and Repair (GE4745), which was validated in November 2011. This document includes: background information on the development of the Group Award, its aims, guidance on access, details of the Group Award structure, and guidance on delivery.

Stringed Musical Instrument Making and Repair at SCQF level 5 has been developed under the Design Principles for National Certificates.

This NC offers practical experience, knowledge and understanding for candidates wishing to enter the stringed musical instrument making and repair industry.

2 Rationale for the development of the Group Award

Stringed Musical Instrument Making and Repair presents potential candidates with a qualification that can be recognised as fulfilling the skills requirements necessary for progression within education, or entry at an introductory level into the musical instrument making and repair industry. The Group Award is a structured programme of Units providing skills and knowledge fulfilling identified gaps in provision and learning, to the benefit of both candidates and future employers. The Group Award delivers a range of core and transferable skills to equip candidates for the future, contributing to flexibility in employment throughout their working lives.

The NC allows candidates to choose one of two pathways which relate to the study of both fretted (guitar and mandolin family) or non-fretted (violin family) repair and construction. The majority of candidates will make and repair stringed instruments of the guitar and violin family, but the NC does not exclude the possibility of undertaking construction and repair of other stringed instruments such as the Ukulele, Appalachian Dulcimer, Viola Da Gamba, and others. This adds to the usefulness of the qualification and is of benefit to the musical instrument industry.

The title of the NC reflects that the skills taught are interlinked and may be applied to both making and repairing instruments. An understanding of construction is very useful when undertaking repair work and repair techniques are frequently used when making instruments.

2.1 Consultation

A consultation canvassed opinion from stakeholders including employers, educationists, industry workers and past and present candidates.

It was ascertained that content, learning and Core Skills within Units met industry requirements, and were needed for those working in the stringed instrument making and repair sector.

3 Aims of the Group Award

This qualification has been developed to provide an introduction to the basic skills and knowledge that underpin the craft of Stringed Musical Instrument Making and Repair.

The new NC endeavours to present a structured course that is fit for purpose and can be easily understood by both employers and candidates.

The NC should provide a learning experience that is both enjoyable and challenging and equips candidates with the necessary skills and knowledge to continue in education or to enter employment.

3.1 Principal aims of the Group Award

The Group Award undertakes to provide the skills and knowledge to begin a career in Musical Instrument Making and Repair.

The principal aims of the qualification are:

- ◆ to enable candidates to acquire practical skills and underpinning knowledge relating to Stringed Musical Instrument Making and Repair
- ◆ to prepare candidates for entry into employment at an introductory level within the Stringed Musical Instrument Making and Repair industry
- ◆ to develop candidates' Core Skills of *Numeracy, Communication, Problem Solving, Working with Others* and *ICT*
- ◆ to give candidates a historical awareness of musical instruments which will include identifying the historical developments in construction and thus enable a better understanding of contemporary ideas related to instrument building
- ◆ to enable candidates to continue into further and higher education, training or work, whether as luthiers or in a compatible vocation
- ◆ to promote a good standard of craftsmanship through attention to correct workshop practices and woodworking techniques
- ◆ to enable candidates to develop safe working practices.

For mapping of Principal Aims to the Units in the Group Award see Appendix 2.

3.2 General aims of the Group Award

- ◆ to enable candidates to reach their full potential by using a range of learning strategies.
- ◆ to encourage candidates to seek solutions to problems and develop independent working practices
- ◆ to encourage candidates to take responsibility for their own development and learning
- ◆ to develop candidates' confidence and personal skills such as time management, organisational skills, and project development and planning
- ◆ to encourage candidates to develop a professional attitude to working and the workshop environment
- ◆ to develop candidates' interpersonal skills and the ability to work with others within the shared workshop environment
- ◆ to develop ideas regarding the sustainability of materials.

3.3 Target groups

The National Certificate is suitable for a range of candidates including school leavers, adult returners and those already in the industry who wish to gain further skills and/or a recognised qualification.

Due to the specialist nature of this National Certificate, it is potentially attractive to both local and international candidates.

3.4 Employment opportunities

At SCQF level 5, candidates are not expected to enter directly into employment, but could work on instrument making and repair, at an introductory level under supervision.

Successful candidates can progress to Stringed Musical Instrument Making and Repair at SCQF level 6.

Employment opportunities from Stringed Musical Instrument Making and Repair at SCQF level 6 may include self-employment as luthiers, working with musicians as instrument technicians and running a music business, such as instrument repair shops.

The skills gained also offer opportunities to enter other compatible vocational areas of employment such as furniture restoration, French polishing and cabinet making.

4 Access to the Group Award

The course is applicable to a wide range of candidates including school leavers, adult returners and those already in the industry who wish to gain further skills and/or a recognised qualification. No formal qualifications are required prior to entry, which is at the discretion of centres based on aptitude and interest.

The recommended minimum level of Core Skills for accessing the course is level 4 for *Problem Solving*, *Communication*, *Numeracy*, *ICT* and *Working with Others*. The Core Skills signposted within the NC are all in Units where the likely exit level is level 5.

5 Group Award structure

The NC provides a structure of Units for delivery in a logical sequence that will provide the building blocks of skills and knowledge required to make and repair musical instruments.

Candidates successfully completing 12 SQA credits (72 SCQF credit points) will gain the NC. The range and diversity of Units ensures that candidates from various backgrounds bringing a variety of prior knowledge and skills may find a structure which is both challenging and suitable to their individual requirements.

5.1 Framework

The framework is composed of 6 mandatory and 8 optional Units. Candidates will be awarded a National Certificate on successful completion of 12 SQA credits (72 SCQF credit points). Candidates must achieve all 9 Unit credits (54 SCQF points) at SCQF Level 5 from the mandatory section and any 3 optional Unit credits (18 SCQF points).

Mandatory Units — 9 SQA credits required

Unit title	Code	SQA Credit value	SCQF Level	SCQF Credit Points
Stringed Instruments: Woodworking Hand Tool Skills	FX38 11	1	5	6
Stringed Instruments: Woodworking Machinery	FX39 11	1	5	6
Design Realisation	D9GF 11	1	5	6
Stringed Instruments: Manufacture of Jigs and Templates	FX3D 11	1	5	6
Stringed Instruments: Manufacture of an Instrument Neck	FX3C 11	2	5	12
Stringed Instruments:	FX3A 11	3	5	18

Manufacture Instrument Body Components				
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Optional Units — 3 SQA Credits required

Unit title	Code	SQA Credit value	SCQF Level	SCQF Credit Points
Stringed Instruments: Fitting Up of the Violin	FX3F 11	1	5	6
Stringed Instruments: Fret Replacement and Refurbishment	FX3G 11	1	5	6
Stringed Instruments: Instrument Inlay and Soundhole Cutting Techniques	FX3H 11	1	5	6
History of Stringed Musical Instruments: Medieval to Baroque	FX3J 11	1	5	6
Stringed Instruments: Assembly of Instrument Body and Neck	FX3E 11	3	5	18
Stringed Instruments: Finishing	FX3K 11	1	5	6
Music Making : Solo (Acoustic Guitar)	EF8S 09	1	3	6
Music Making : Solo (Acoustic Guitar)	EF83 10	1	4	6
	EF8E 11	1	5	6
Music Making: Solo (Orchestral Strings)	EF8R 09	1	3	6
Music Making: Solo (Orchestral Strings)	EF82 10	1	4	6

The Group Award can be delivered as two different pathways, allowing for candidates to work on either fretted or non-fretted stringed instruments (see Section 6). The essential difference between the two pathways is in the choice between the two repair Units and the two music tuition Units.

Candidates are asked to choose between one of the following two repair Units:

- ◆ Stringed Instruments: Fret Replacement and Refurbishment (FX3G 11)
- ◆ Stringed Instruments: Fitting Up of the Violin (FX3F 11).

They are also asked to choose one of the following music tuition Units:

- ◆ Music Making: Solo (Acoustic Guitar) 2 (EF8S 09, EF83 10 **or** EF8E 11)
- ◆ Music Making: Solo (Orchestral Strings) 2 (EF8R 09 **or** EF82 10).

The choice of SCQF level in the music making Units enables candidates to work appropriately based on their knowledge and skills.

5.2 National Occupational Standards

Through Units on the National Certificate, candidates will be working towards aspects of the National Occupational Standards established by Creative and Cultural Skills. For details, please see Appendix 3.

5.3 Articulation, professional recognition and credit transfer

Successful candidates may progress to the proposed Stringed Musical Instrument Making and Repair at SCQF level 6. Candidates may continue to degree level at the Metropolitan University of London or study for a Diploma at Newark School of Instrument Making.

It is anticipated that the majority of candidates completing NQ programmes at level 5 will progress to further study. Onward destinations from further study at SCQF level 6 may include self-employment as luthiers, working with musicians as instrument technicians and running a music business, such as instrument repair shops.

The skills gained also offer opportunities to enter other compatible vocational areas of employment such as furniture restoration, French polishing and cabinet making.

6 Approaches to Delivery and Assessment

6.1 Content and Context

Candidates will be introduced to the fundamental principles of both woodworking and luthery. They will gain knowledge and understanding of the basic construction processes relating to either fretted or non-fretted stringed musical instruments and will acquire experience in the repair techniques associated with instrument set-up and playability.

The title of the award reflects the NC, that the skills taught are interlinked and may be applied to both making and repairing instruments. An understanding of construction is very useful when undertaking repair work and repair techniques are frequently used when making instruments. Many techniques are almost identical whether making or repairing for example fitting or re-fitting a neck. Knowledge of the setting up an instrument is essential for both disciplines.

A principal aim of the NC is to explore the history of musical instrument making, providing a context to which candidates can relate their work. With a focus on the Medieval, Renaissance and Baroque periods, candidates will learn about the music and the historical developments in instrument construction. This will help inform candidates' understanding of contemporary ideas related to instrument building.

Outwith the dedicated History Unit (FX3J 11), the history of musical instrument making should be considered across delivery of the NC as a whole. For example, historical background may inform Design Realisation (D9GF 11) with the history of creativity considered in terms of how it can influence current design work.

Historical background is also highly relevant to the majority of practical Units, such as Stringed Instruments: Woodworking Hand Tool Skills (FX38 11) in terms of instrument construction and how techniques and tools have changed or developed.

It is intended that successful candidates will progress to Stringed Musical Instrument Making and Repair (SCQF Level 6). This will be the route for the majority of learners, however successful candidates wishing to leave at this exit point will have gained sufficient knowledge and skill to work, under supervision, at an introductory level within the industry.

The broad range of core and transferable skills will widen the scope for future job prospects in general. These skills will transfer to related subject areas such as furniture making, antique restoration, and the construction industry.

6.2 Approaches to delivery and assessment

The Group Award will provide the practical experience and knowledge required to begin making and repairing stringed musical instruments. It assumes that candidates have no previous experience of either woodworking or instrument making and therefore begins with the basic principles of these disciplines.

Some Units build on expertise gained from others in the NC, which may therefore influence the sequence of delivery.

All candidates will benefit from an initial focus on the fundamental principles and practice of using hand-tools and woodworking machinery in Units:

- ◆ Stringed Instruments: Woodworking Hand Tool Skills (FX38 11)
- ◆ Stringed Instruments: Woodworking Machinery (FX39 11)

They will be taught skills such as planing, edge sharpening, machining and related safety. Proficiency in these skills is therefore underpinned through Unit delivery before embarking on the manufacture of a musical instrument.

After the initial woodworking Units candidates will undertake one of the following Units of repair work relating to either fretted or non-fretted instrument repair:

- ◆ Stringed Instruments: Fret Replacement and Refurbishment (FX3G 11)
- ◆ Stringed Instruments: Fitting Up of the Violin (FX3F 11)

These are introductory Units relating to the repair skills which frequently occur professionally and are also fundamental to instrument construction, eg fret work and peg fitting. The choice of either Unit may depend on the chosen pathway the candidate will undertake (see section 6.3).

There are opportunities within several of the Units to address the problems of sustainability, especially regarding the limited supplies of many hardwoods. Issues relating to pollutants can also be addressed when discussing the materials used for varnishing in the Unit Stringed Instruments: Finishing (FX3K 11).

The choice of level in the music making Units enables candidates to work at an appropriate level based on their prior knowledge and skills.

On completion of the NC, candidates will have acquired the practical skills and knowledge relating to basic woodworking, introductory repair work and either fretted or non-fretted instrument construction.

Suitable modes for delivery include full-time and part-time. Via part-time delivery, the NC would normally be achieved over two years.

6.3 Pathways

The majority of Units develop disciplines which can be applied to a range of stringed instruments, but the Units covering repair work and instrument tuition relate specifically to fretted or non-fretted instruments. The NC may be delivered as two pathways, allowing for candidates to choose between fretted and non-fretted, stringed instruments.

The two recommended pathways are exemplified in the table given below, using a structured combination of mandatory (M) and optional (O) Units.

	Pathway 1 (Fretted)	Credit value	Pathway 2 (Non-Fretted)	Credit value
Block 1	Stringed Instruments: Woodworking Hand tool Skills (M) (FX38 11)	1	Stringed Instruments: Woodworking Hand tool Skills (M) (FX38 11)	1
	Stringed Instruments: Woodworking Machinery (M) (FX39 11)	1	Stringed Instruments: Woodworking Machinery (M) (FX39 11)	1
	Design Realisation (M) (D9GF 11)	1	Design Realisation (M) (D9GF 11)	1
	Music Making : Solo (Acoustic Guitar) (O) (EF8S 09), ((EF83 10) or (EF8E 11)	1	Music Making : Solo (Orchestral Strings) (O) (EF8R 09) or (EF82 10)	1
Block 2	Stringed Instruments: Fret Replacement and Refurbishment(O) (FX3G 11)	1	Stringed Instruments: Fitting Up of the Violin (O) (FX3F 11)	1
	Stringed Instruments: Manufacture of Jigs and Templates (M) (FX3D 11)	1	Stringed Instruments: Manufacture of Jigs and Templates (M) (FX3D 11)	1
	Stringed Instruments: Manufacture of an Instrument Neck (M) (FX3C 11)	2	Stringed Instruments: Manufacture of an Instrument Neck (M) (FX3C 11)	2
Block 3	Stringed Instruments: Manufacture of Instrument Body Components (M) (FX3A 11)	3	Stringed Instruments: Manufacture of Instrument Body Components (M) (FX3A 11)	3
	Stringed Instruments: Instrument Inlay and Soundhole Cutting Techniques (O) (FX3H 11)	1	Stringed Instruments: Instrument Inlay and Soundhole Cutting Techniques (O) (FX3H 11)	1
	Total credits	12	Total credits	12
Alternative optional Units				
	History of Stringed Musical Instruments: Medieval to Baroque (FX3J 11)	1	History of Stringed Musical Instruments: Medieval to Baroque (FX3J 11)	1
	Stringed Instruments: Assembly of Instrument Body and Neck (FX3E 11)	3	Stringed Instruments: Assembly of Instrument Body and Neck (FX3E 11)	3
	Stringed Instruments: Finishing (FX3K 11)	1	Stringed Instruments: Finishing (FX3K 11)	1

(M) = Mandatory Unit, (O) = Optional Unit

6.4 Integration of Assessment

Assessment criteria and suggested forms of assessment are detailed in each Unit and where possible this has been integrated across Outcomes and Units to provide a holistic approach. There is considerable scope for such integration of assessment, for example, the manufacture of an instrument and a logbook detailing the construction process can be used as the Assessment Instrument across 6 Units.

Together, these following six Units provide the knowledge and skills required to build and varnish a stringed musical instrument. The practical assessment for these could be the construction of one stringed instrument, while the written or oral assessment could be a logbook detailing the methods of construction.

- ◆ Stringed Instruments: Manufacture of Jigs and Templates (FX3D 11)
- ◆ Stringed Instruments: Manufacture of an Instrument Neck (FX3C 11)
- ◆ Stringed Instruments: Instrument Inlay and Soundhole Cutting Techniques (FX3H 11)
- ◆ Stringed Instruments: Manufacture of Instrument Body Components (FX3A 11)
- ◆ Stringed Instruments: Assembly of Instrument Body and Neck (FX3E 11)
- ◆ Stringed Instruments: Finishing (FX3K 11)

7 General information for centres

Disabled candidates and/or those with additional support needs

The additional support needs of individual candidates should be taken into account when planning learning experiences, selecting assessment instruments, or considering whether any reasonable adjustments may be required. Further advice can be found on our website www.sqa.org.uk/assessmentarrangements.

Internal and external verification

All instruments of assessment used within this/these Group Award(s) should be internally verified, using the appropriate policy within the centre and the guidelines set by SQA.

External verification will be carried out by SQA to ensure that internal assessment is within the national guidelines for these qualifications.

Further information on internal and external verification can be found in SQA's *Guide to Assessment* (www.sqa.org.uk).

8 General information for candidates

The National Certificate (NC) in Stringed Musical Instrument Making and Repair is a creative and challenging course designed to help you to develop the skills, knowledge and understanding you will need to make and repair stringed musical instruments. You don't need any prior skills or knowledge of either woodworking or musical instruments to undertake this NC. You will choose one of two pathways and train as a maker and repairer of either the guitar or violin family of instruments. The skills you learn can also be applied to a range of other stringed instruments.

You will gain practical skills and knowledge in woodworking and instrument making and repair. You will be taught basic woodworking, wood machining and have an introduction to simple repair work, after which one stringed instrument will be made. The woodworking skills developed are transferable to other vocations such as furniture making, antique restoration and the construction industry.

To support the practical elements of the NC you can also complete studies in design, music and music history. The Units are mainly workshop based practical work but Core Skills are developed as an essential part of instrument making and repair, these include Numeracy, Problem Solving and written and oral Communication.

Assessment is mostly based around the practical tasks involved in making and repairing stringed musical instruments but there will also be some written/oral tests or log books to complete.

Successful candidates may progress to Stringed Musical Instrument Making and Repair at SCQF Level 6. Some people might also choose to exit at this point and the qualification gained would enable you to work at an introductory level under supervision.

8.1 Content of the National Certificate

The NC is 12 credits in total. You will study 6 mandatory Units, which will provide you with 9 credits, and a further 3 Unit credits will be chosen from the options.

The Units and topics you will study are explained below.

Mandatory Units	Credit	Topics
Woodworking Hand tool skills	1	The use and maintenance of the basic woodworking hand-tools required to build stringed musical instruments.
Woodworking Machinery	1	The set up, operation and maintenance of a range of machines commonly found in the production of stringed musical instruments in a small workshop.
Design Realisation	1	Working from a chosen brief and working through initial ideas to refine and develop a design concept.
Stringed Instruments: Manufacture of Jigs and Templates	1	The manufacture of jigs and templates used to construct a stringed musical instrument.
Stringed Instruments: Manufacture of an Instrument Neck	2	The manufacture of an instrument neck in readiness for assembling to an instrument body.
Stringed Instruments: Manufacture of Instrument Body Components	3	The manufacture of instrument parts prior to assembling an instrument.
Total credits	9	

Optional units	Credit	Topics
History of Stringed Musical Instruments: Medieval to Baroque	1	A brief history of stringed musical instruments to provide a historical background for the makers of today.
Stringed Instruments: Assembly of Instrument Body and Neck	3	Assembling the neck and body in order to complete an instrument.
Stringed Instruments: Finishing	1	Varnishing of an instrument.
Music Making : Solo (Acoustic Guitar)	1	Guitar lessons to help ensure the ability to test a setup. You will study this Unit at a level to suit your playing ability.
Music Making : Solo (Orchestral Strings)	1	Violin lessons to help ensure the ability to test a setup. You will study this Unit at a level to suit your playing ability.
Stringed Instruments: Fret Replacement and Refurbishment	1	The repair and replacement of worn frets on a fretted instrument.
Stringed Instruments: Fitting Up of the Violin	1	The repair and replacement of pegs, nuts and saddles on a violin.
Stringed Instruments: Instrument Inlay and Soundhole Cutting Techniques	1	How to cut and insert inlays and cut soundholes.

9 Glossary of terms

SCQF: This stands for the Scottish Credit and Qualification Framework, which is a new way of speaking about qualifications and how they inter-relate. We use SCQF terminology throughout this guide to refer to credits and levels. For further information on the SCQF visit the SCQF website at www.scqf.org.uk

SCQF credit points: One SCQF credit point equates to 10 hours of learning. NQ Units at SCQF levels 2–6 are worth 6 SCQF credit points, NQ Units at level 7 are worth 8 SCQF points.

SCQF levels: The SCQF covers 12 levels of learning. National Qualification Group Awards are available at SCQF levels 2-6 and will normally be made up of National Units which are available from SCQF levels 2–7.

Dedicated Unit to cover Core Skills: This is a non-subject Unit that is written to cover one or more particular Core Skills.

Embedded Core Skills: This is where the development of a Core Skill is incorporated into the Unit and where the Unit assessment also covers the requirements of Core Skill assessment at a particular level.

Signposted Core Skills: This refers to the opportunities to develop a particular Core Skill at a specified level that lie outwith automatic certification.

Qualification Design Team: The QDT works in conjunction with a Qualification Manager/Development Manager to steer the development of the National Certificate/National Progression Award from its inception/revision through to validation. The group is made up of key stakeholders representing the interests of centres, employers, universities and other relevant organisations.

Consortium-devised National Certificates/National Progression Awards are those developments or revisions undertaken by a group of centres in partnership with SQA.

10 Appendices

Appendix 1: Core Skills Mapping

Appendix 2: Mapping of aims to Units

Appendix 3: National Occupational Standards

Appendix 1: Core Skills Mapping

Stringed Musical Instrument Making (GE47 45) Key: S = Signposted E =Embedded		Communication		ICT	Numeracy		Problem Solving			Working With Others
Unit Code	Unit title	Oral	Written		Using Graphical Information	Using Number	Critical Thinking	Planning and organising	Reviewing and Evaluating	
FX38 11	Stringed instruments: Woodworking Hand Tool Skills	S	S		S	S	E SCQF level 4	S	S	
FX39 11	Stringed instruments: Woodworking Machinery	S	S		S	S	E SCQF level 4	S	S	S
D9GF 11	Design Realisation			S			S	S	S	
FX3D 11	Stringed Instruments: Manufacture of Jigs and Templates		S	S	E SCQF level 5	S	E SCQF level 5	S	S	
FX3C 11	Stringed Instruments: Manufacture of an Instrument Neck		S	S	S	S	E SCQF level 5	S	S	
FX3A 11	Stringed Instruments: Manufacture of Instrument Body Components		S	S	S	S	E SCQF level 5	S	S	
FX3G 11	Stringed Instruments: Fret Replacement and Refurbishment	S			S	S	E SCQF level 5	S	S	
FX3F 11	Stringed Instruments: Fitting Up of the Violin	S			S	S	S	S	S	

Stringed Musical Instrument Making (GE47 45) Key: S = Signposted E =Embedded		Communication		ICT	Numeracy		Problem Solving			Working With Others
Unit Code	Unit title	Oral	Written		Using Graphical Information	Using Number	Critical Thinking	Planning and organising	Reviewing and Evaluating	
FX3H 11	Stringed Instruments: Instrument Inlay and Soundhole Cutting Techniques			S	S	S	E SCQF level 5	S		
FX3J 11	History of Stringed Musical Instruments: Medieval to Baroque	S	S	S			S	S	S	
FX3E 11	Stringed Instruments: Assembly of Instrument Body and Neck		S	S	S	S	S	S	S	
FX3K 11	Stringed Instruments: Finishing						E SCQF level 4	S	S	
EF8S 09 EF83 10 EF8E 11	Music Making : Solo (Acoustic Guitar)				S		S			
EF8R 09 EF82 10	Music Making : Solo (Orchestral Strings)				S		S			

Appendix 2: Mapping of aims to Units

Stringed Musical Instrument Making (GE47 45)		Aim 1	Aim 2	Aim 3	Aim 4	Aim 5	Aim 6	Aim 7
Unit code	Unit title							
FX38 11	Stringed Instruments: Woodworking Hand Tool Skills	✓	✓	✓	✓	✓	✓	✓
FX39 11	Stringed Instruments: Woodworking Machinery	✓	✓	✓		✓	✓	✓
D9GF 11	Design Realisation	✓	✓	✓	✓	✓		
FX3D 11	Stringed Instruments: Manufacture of Jigs and Templates	✓	✓	✓	✓	✓	✓	✓
FX3C 11	Stringed Instruments: Manufacture of an Instrument Neck	✓	✓	✓	✓	✓	✓	✓
FX3A 11	Stringed Instruments: Manufacture Instrument Body Components	✓	✓	✓	✓	✓	✓	✓
FX3G 11	Stringed Instruments: Fret Replacement and Refurbishment	✓	✓	✓	✓	✓	✓	✓
FX3F 11	Stringed Instruments: Fitting Up of the Violin	✓	✓	✓	✓	✓	✓	✓
FX3H 11	Stringed Instruments: Instrument Inlay and Soundhole Cutting Techniques	✓	✓	✓	✓	✓	✓	✓
FX3J 11	History of Stringed Musical Instruments: Medieval to Baroque		✓	✓	✓	✓		
FX3E 11	Stringed Instruments: Assembly of Instrument Body and Neck	✓	✓	✓		✓	✓	✓
FX3K 11	Stringed Instruments: Finishing	✓	✓	✓	✓	✓	✓	✓
EF8S 09	Music Making: Solo Acoustic Guitar	✓	✓	✓		✓		
EF8R 09	Music Making: Solo (Orchestral Strings)	✓	✓	✓		✓		

Appendix 3: National Occupational Standards

Through Units on the National Certificate, candidates will be working towards aspects of the National Occupational Standards established by Creative and Cultural Skills, as noted below.

Design Realisation (D9GF 11)

Design: DES5 Follow a design process

Design: DES10 Create visual designs

Design: DES11 Provide written information in relation to your design work

Design: DES14 Explore the history and social impact of creativity and how it can influence your own design work

Design: DES37 Originate and develop concepts for products or services

Craft: CR5 Create a design brief for craft

Craft: CR9 Produce a drawing or sketch, working stages or roughs, sample, model or prototype of craft

History of Stringed Musical Instruments: Medieval to Baroque (FX3J 11)

Design: DES14 Explore the history and social impact of creativity and how it can influence your own design work

Design: DES15 Research and evaluate the nature of design in a specific industry context

All practical Units (Units prefixed with *Stringed Instruments*)

Craft: CR13 Select and use techniques, materials, tools and equipment for craft

Craft: CR14 Prepare and maintain materials, tools and equipment for craft

Craft: CR15 Use safe working practices and spaces for craft

Craft: CR16 Complete the craft making process

Craft: CR17 Document and record craft work and work practice

Craft: CR51 Maintain and repair craft work

Craft: CR52 Restore, conserve and reconstruct work in craft

Craft: CR56 Make sure your own actions reduce risks to health and safety

Design: DES14 Explore the history and social impact of creativity and how it can influence your own design work