

Unit 22: Creating sound using ICT (LEVEL 2)

Learning outcomes

By completing this unit candidates will develop a knowledge and understanding of how to design, produce and test a short audio clip which is fit for purpose.

Candidates will be able to:

- review several existing audio clips
- design an audio clip
- create an audio clip
- test the audio clip.

It is anticipated that a candidate will require 30 guided learning hours to complete this unit.

Assessment objectives	Knowledge, understanding and skills
1 Review several existing audio clips	<p>At least two different audio clips must be reviewed eg:</p> <ul style="list-style-type: none">• radio advert• soundtrack from a film trailer• music clip• downloads from the internet <p>For each audio clip reviewed, candidates should:</p> <ul style="list-style-type: none">• identify the good and not so good features• identify the aim of the audio clip• comment on how the aims are met• if the aims are not met why not?• suggest possible improvements
2 Design an audio clip	<p>Produce design documentation eg:</p> <ul style="list-style-type: none">• describe the aim of the audio clip• describe the audience of the audio clip• software to be used <p>Storyboard showing eg:</p> <ul style="list-style-type: none">• content of the audio clip• timeline• fading• use of silence• volume• mono or stereo• special effects
3 Create an audio clip	<p>Audio clip must be at least 45 seconds in length</p> <p>Audio editing techniques eg:</p> <ul style="list-style-type: none">• importing components (music, sound, speech)• cutting, copying and pasting• splitting and trimming clips• silencing and fading• effects• exporting in a suitable file format

Assessment objectives	Knowledge, understanding and skills
4 Test the audio clip	<p>Test plan to include eg:</p> <ul style="list-style-type: none"> • suitable content • whether correct message conveyed • runs for the correct length of time • suitable effects • suitable file format <p>Make improvements based on testing outcomes.</p>

Assessment

This unit is centre assessed and externally moderated.

In order to achieve this unit, candidates must produce a portfolio of evidence showing that they have met all of the assessment objectives.

Portfolios of work must be produced independently. They will need to be made available, together with witness statements and any other supporting documentation, to the OCR Visiting Moderator when required.

Centres must confirm to OCR that the evidence produced by candidates is authentic. An OCR Centre Authentication Form is provided in the Centre Handbook and includes a declaration for assessors to sign. It is a requirement of the QCA Common Criteria for all Qualifications that proof of authentication is received.

Guidance on assessment and evidence requirements

Candidates will not be penalised for their choice of software but must ensure they are making full use of the tools/features available to them in the particular software they decide to use. Candidates could use eg Audacity, Adobe Audition, other.

Candidates should be advised that the audio clip created should be **of at least 45 seconds** in length; it is good practice that consideration is given to the file size of the audio clip. Candidates should be advised that their final audio clip product should not simply be a voice recording (eg 45 second commentary) it should combine human voice, sound effects and music as and where appropriate.

For Assessment Objective 1 centres may provide candidates with audio clips for reviewing. At least two different types of audio clip must be reviewed.

For Assessment Objective 2 candidates must produce documentation for their audio clip. At this stage a choice must be made between software that will define the tools/features that can be used. The storyboard will need to be detailed enough to provide information of the key components used in the audio clip. Candidates are not required to create every element themselves they may source these from elsewhere, import them into their chosen software package and edit them as required.

For Assessment Objective 3 an audio clip of at least 45 seconds in length is required. The audio clip should use a range of audio editing techniques. The audio clip should be created to ensure it is fit for purpose. The audio clip must be exported to a suitable file format.

For Assessment Objective 4 candidates must produce a test plan for their audio clip. They should carry out these tests and evidence this through a completed test plan or via a checklist. Screen shots are not required as evidence for carrying out these tests. Based on the outcomes of these tests suggestions for improvements must be made. Higher level candidates will need to act on some of these findings.

Signposting to Key Skills

- ✓ The unit contains opportunities for developing the Key Skill, and possibly for generating portfolio evidence, if teaching and learning is focused on that aim.

Key Skill reference		Key Skill reference		Key Skill reference	
C2.1a	✓	ICT2.1	✓	N2.1	
C2.1b	✓	ICT2.2	✓	N2.2	
C2.2	✓	ICT2.3	✓	N2.3	
C2.3	✓				

Mapping to National Occupational Standards

National Occupational Standards	Reference ID	Title
IT Users (e-skills UK)	SBS2 SBS3	Specialist or bespoke software Level 2 Specialist or bespoke software Level 3

Resources

This section provides suggestions of suitable resources. The list is neither prescriptive nor exhaustive, and candidates should be encouraged to gather information from a variety of sources. Some suggested resources are intended for Tutor use. The resources in this section were correct at the time of production.

Books

Fries, M & Fries, B *Digital Audio Essentials: A Comprehensive Guide to Creating, Recording, Editing, and Sharing Music and Other Audio*
O'Reilly Publishing

Journals/magazines

Hi-Fi World

CD-Roms and computer software

Audacity

Adobe Audition

Websites

www.findsounds.com

File search engine for sample sounds and sound effects

Grading

Assessment Objective	Pass	Merit	Distinction
AO1 Review several existing audio clips	Candidates list the good and not so good features of at least two different audio clips.	Candidates identify the aim of the audio clip. Candidates give a detailed explanation of the good and not so good features of at least two different audio clips and suggest possible improvements.	Candidates identify the aim of the audio clip. Candidates give a thorough explanation of the good and not so good features of at least two audio clips, and suggest a range of valid improvements to help the audio clip meet its aims.
AO2 Design an audio clip	Candidates describe the aim of the audio clip. A simple storyboard covering the main elements is provided. The design may lack structure.	Candidates describe the aim and audience of the audio clip. A storyboard covering the main elements is provided. The design has a clear structure.	Candidates are thorough in their description of aim and audience for the audio clip. A storyboard covering all elements is provided. The design is well structured.
AO3 Create an audio clip	The audio clip must be at least 45 seconds in length. The audio clip makes some use of: importing components, cutting, copying and pasting, and effects. Some elements may not work as intended. The audio clip will be exported in a suitable file format.	The audio clip must be at least 45 seconds in length. The audio clip must be appropriate. The audio clip makes good use of: importing components, cutting, copying and pasting, splitting/trimming clips and effects. Most elements work as intended. The audio clip will be exported in a suitable file format.	The audio clip must be at least 45 seconds in length. The audio clip must be appropriate and meets the identified aims. The audio clip makes good use of: importing components, cutting, copying and pasting, splitting/trimming clips, silencing/fading and effects. All elements work as intended. The audio clip will be exported in a suitable file format.

Assessment Objective	Pass	Merit	Distinction
AO4 Test the audio clip	Candidates will test their audio clip using a test table containing at least three tests, some will be appropriate. They will identify areas for improvement.	Candidates will test their audio clip using a test table containing at least four tests, most of which will be appropriate the tests will cover the main areas of their audio clip. They will identify areas for improvement and action one of them.	Candidates will test their audio clip using a test table containing at least five tests. The tests will cover all main areas of their audio clip and will all be appropriate. They will identify areas for improvement and action most of them.