

Year 4 – Audio editing

Unit introduction

In this unit, learners will initially examine devices capable of recording digital audio, which will include identifying the input device (microphone) and output devices (speaker or headphones) if available. Learners will discuss the ownership of digital audio and the copyright implications of duplicating the work of others. In order to record audio themselves, learners will use Audacity to produce a podcast, which will include editing their work, adding multiple tracks, and opening and saving the audio files. Finally, learners will evaluate their work and give feedback to their peers.

Lesson	Brief overview	Learning objectives and Success Criteria
1. Digital recording	In this lesson, learners will familiarise themselves with digital devices capable of recording sound and/or playing audio. Learners will identify devices' inputs (microphone) and outputs (headphones or speakers). Learners will consider ownership and copyright issues relating to the recording of audio. https://teachcomputing.org/curriculum/key-stage-2/creating-media-audio-editing/lesson-1-digital-recording	To identify that sound can be digitally recorded: <ul style="list-style-type: none"> I can identify digital devices that can record sound and play it back I can identify the inputs and outputs required to play audio or record sound I can recognise the range of sounds that can be recorded
2. Recording sound	In this lesson, learners will record their own sounds and play back the recorded audio. They will also listen to a range of podcasts and identify the features of a podcast. https://teachcomputing.org/curriculum/key-stage-2/creating-media-audio-editing/lesson-2-recording-sounds	To use a digital device to record sound: <ul style="list-style-type: none"> I can use a device to record audio and play back sound I can suggest how to improve my recording I can discuss what other people include when recording sound for a podcast
3. Creating a podcast	In this lesson, learners will plan and begin recording their own podcast. They will also discuss the importance of saving their work and save their recordings as a file. Note: Due to the amount of time required to plan the podcast content, the written parts of the planning template could be completed in a different subject's lesson (e.g. English, or a subject related to the podcast content). https://teachcomputing.org/curriculum/key-stage-2/creating-media-audio-editing/lesson-3-creating-a-podcast	To explain that a digital recording is stored as a file: <ul style="list-style-type: none"> I can plan and write the content for a podcast I can discuss why it is useful to be able to save digital recordings I can save a digital recording as a file
4. Editing digital recordings	In this lesson, learners will open their existing work and continue recording their podcast content. Learners will also edit their recordings, for example by changing the volume of the recording or making the recording fade in or out. https://teachcomputing.org/curriculum/key-stage-2/creating-media-audio-editing/lesson-4-editing-digital-recordings	To explain that audio can be changed through editing: <ul style="list-style-type: none"> I can open a digital recording from a file I can discuss ways in which audio recordings can be altered I can edit sections of an audio recording
5. Combining audio	In this lesson, learners will record additional content for their podcast, such as sound effects or background music. The audio will be combined, or mixed, with their existing digital recordings and exported as an audio file. https://teachcomputing.org/curriculum/key-stage-2/creating-media-audio-editing/lesson-5-combining-audio	To show that different types of audio can be combined and played together: <ul style="list-style-type: none"> I can discuss sounds that other people combine I can choose suitable sounds to include in a podcast I can use editing tools to arrange sections of audio
6. Evaluating podcasts	In this lesson, learners will export their digital recordings so that they can be listened to on a range of digital devices. Learners will give feedback on their own and their peers' podcasts, including areas for improvement. https://teachcomputing.org/curriculum/key-stage-2/creating-media-audio-editing/lesson-6-evaluating-podcasts	To evaluate editing choices made: <ul style="list-style-type: none"> I can explain that digital recordings need to be exported to share them I can discuss the features of a digital recording I like I can suggest improvements to a digital recording

Subject knowledge

Lesson 1: You will need to be familiar with the location of microphones and/or speakers on digital devices capable of recording sound. You will also need to be familiar with using Audacity to record sound.

Lesson 2: You will need to be familiar with using Audacity to record audio, which should include how to delete individual tracks.

Lesson 3: You will need to be familiar with using Audacity to record sound.

Lesson 4: You will need to be familiar with using Audacity to edit audio, including altering the volume and fading sections of audio in and out.

Lesson 5: You will need to be familiar with using the **Copy**, **Paste**, and **Time Shift** tools in Audacity.

Lesson 6: You will need to be familiar with using Audacity to export audio recordings.