

Computing Knowledge Organiser – Year 4 – Unit 2: Audio Production

Lesson Sequence:



Unit Introduction:

Learners will identify the input device (microphone) and output devices (speaker or headphones) required to work with sound digitally. 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.

Computer Safety



To know how to recognise malicious behaviour
 Know how to respond to malicious behaviour on the internet by reporting to an adult, website, IS provider, police, child line, CEOP
 To know which websites are safe to do searches on
 To know how to use the internet safely and securely by keeping their personal details confidential and reporting any suspicious online activity
 To know that anything I share online will stay there to be seen and used by others
 To report unsafe sites or content to an adult.

Creating Podcasts

Podcasts are a type of spoken word file that can be downloaded by listeners. A user can often choose to download a whole series of a podcast or follow it weekly.

Some examples of podcasts are 'Stories Podcast', 'Six Minutes' and 'Brains on! Kids Science Podcast'.

Features of a Podcast:

Sounds: voices, sound effects, jingles, background music

Information: Presenters' names, name of podcast, introduction, main section, conclusion

Top Tips!

Speak clearly
 Avoid 'um', 'like'
 Avoid coughing or sneezing
 Take turns to speak
 Do not touch the mic

Useful Shortcuts!

Copy = ctrl + c
 Paste = ctrl + v
 Undo = ctrl + z
 Snip tool = windows + shift + s

Key Vocabulary

Audio - Sound, including music, sound effects and podcasts

Podcasts - A spoken word file that can be downloaded for listeners

Input - A device to send audio to the device/computer

Output - A device to listen to audio from the device/computer

Microphone - An input device that change sounds into electrical signals

Using Software



Audacity is one example of an audio editing tool, but many others are available.

Key buttons to know:



Input Devices

Microphone: input devices that change sound into electrical signals which can be recorded.

Musical instruments: these can be connected to a computer so the sound is transmitted electronically.

Output Devices

Speakers: output electrical signals into sound which can be played out loud.

Headphones: are worn over your ears so only the person wearing can hear the sound outputted.

Both: Items such as phones and tablets can be both!