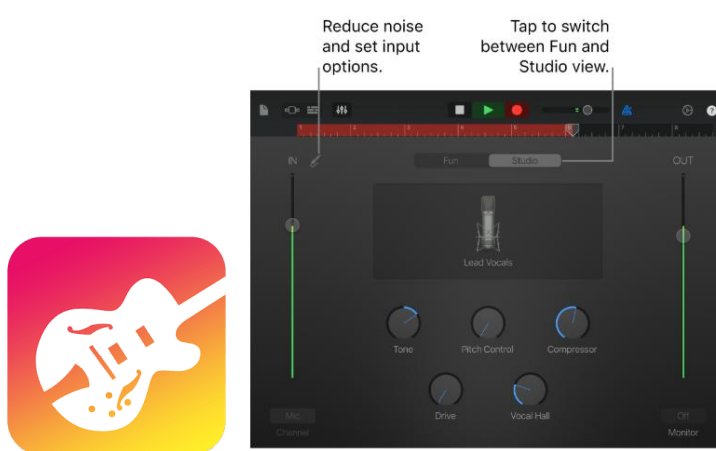


## Knowledge Organiser for Year 4

Big question: How can we use sound creatively to inform, entertain, and engage an audience?

### KS2 National curriculum specification

- Use search technologies effectively, appreciate how results are selected and ranked, and be discerning in evaluating digital content
- Select, use, and combine a variety of software (including internet services) on a range of digital devices to design and create a range of programs, systems, and content that accomplish given goals, including collecting, analysing, evaluating, and presenting data and information
- Use technology safely, respectfully, and responsibly; recognise acceptable/unacceptable behaviour; identify a range of ways to report concerns about content and contact



In this unit, the children will:

Identify sound that can be recorded.

Explain that audio recordings can be edited.

Recognise the different parts of creating a podcast project.

Apply audio editing skills independently.





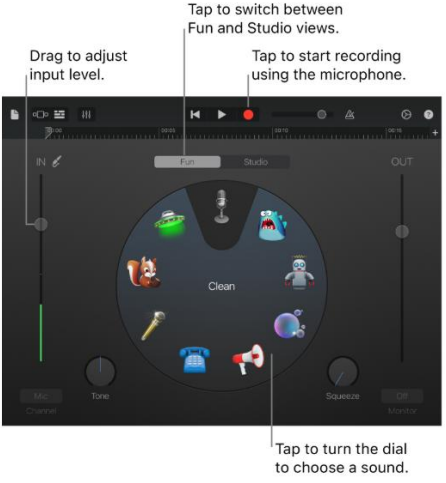
Combine audio to enhance my podcast project.


Evaluate the effective use of audio.

### Key vocabulary:

Audio	Sound, including music, sound effects and podcasts.
Input	Information or signals sent into a system or device for processing (e.g., sound entering a microphone).
Output	Information or signals produced by a system or device after processing (e.g., sound coming from speakers).
Podcast	A type of spoken word file that can be downloaded by listeners. A user can often choose to download the whole series of podcasts
Waveform	A visual representation of an audio signal showing how sound amplitude changes over time.
Jingle	A short, catchy piece of music or tune used in advertising or as an audio identifier for a show.
Track	An individual audio recording within a larger mix or project (e.g., a song or voice recording).

Presenter	A person who hosts or introduces content on radio, TV, or podcasts.
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Input and Output Devices	Using Software
<p>We use <u>input devices</u> to send the audio to the device/ computer. Examples:</p> <ul style="list-style-type: none"> <li>-microphones change sound into electrical signals which can then be recorded or transmitted.</li> <li>-musical instruments can be linked to computers and become input devices, with special cables.</li> </ul>  <p>We use <u>output devices</u> to listen to the audio from the device/ computer. Examples:</p> <ul style="list-style-type: none"> <li>-digital speakers turn the electrical signal into an audio output that can be heard by the listener.</li> <li>-headphones are worn over the ears of the listener, so that only they can hear the sound output.</li> </ul> <p>Some devices can be both input and output devices. E.g. headsets, smartphones and voice assistants e.g. Amazon Echo, Google Home.</p> 	<p>Garage Band is one example of an audio editing tool, or the voice memos.</p> <p>On the Home screen: Touch and hold the GarageBand app icon until the menu appears, then tap Create New Audio Recording.</p> <p>In the My Songs browser: Tap the New Audio Recording button  near the upper-right corner of the screen.</p> <p>With a song open in GarageBand, tap the My Songs button  in the control bar to open the My Songs browser. To continue working on the song, tap it in the My Songs browser.</p>  <p>To delete a song: In the My Songs browser, touch and hold the song you want to delete, then tap Delete. Make sure to only delete your files.</p>

Creating Podcasts	Top Tips for High-Quality Podcasts
<p>Podcasts are a type of spoken word file that can be downloaded by listeners. A user can often choose to download the whole series of podcasts.</p> <p>Some examples of podcasts are 'Stories Podcast', 'Six Minutes' and 'Brains On! Kids Science Podcast.' Features of podcasts include:</p> <p>Sounds: Voices, jingles, background music, sound effects</p> <p>Information: Presenters' names, name of podcast, introduction, main section, conclusion.</p> 	<ul style="list-style-type: none"> <li>-Speak clearly</li> <li>-Avoid fillers ('um', 'like')</li> <li>-Avoid coughing/ sneezing</li> <li>-Take turns to speak</li> <li>-Avoid background noise</li> <li>-Don't touch the microphone</li> <li>-Choose music carefully</li> </ul>

Teacher Subject Knowledge:	
Prior Knowledge & progression	This unit progresses students' knowledge and understanding of creating media, by focusing on the recording and editing of sound to produce a podcast. Following this unit, learners will explore combining audio with video in the 'Video editing' unit in UKS2
Teacher	<b>Lesson 1:</b> You will need to be familiar with the location of built-in microphones if using

knowledge	<p>laptops. You should be familiar with using Audacity to record sound. You should be aware of ways to improve the quality of recorded audio including: low background noise and proximity to the person talking in relation to the microphone.</p> <p><b>Lesson 2:</b> You will need to be familiar with using Audacity to record audio, including how to delete individual tracks. You will also need to be able to trim and align audio.</p> <p><b>Lesson 3:</b> You will need to be familiar with importing audio into Audacity as well as how to save an Audacity project.</p> <p><b>Lesson 4:</b> You will need to be familiar with using Audacity to record sound, edit audio, and adjust the volume of tracks.</p> <p><b>Lesson 5:</b> You will need to:</p> <ul style="list-style-type: none"> <li>• Be familiar with loading a saved Audacity project and importing audio files</li> <li>• Be able to copy and paste audio within a track</li> <li>• Be able to export an Audacity project as an mp3 file</li> </ul> <p>Note: You may wish to help learners fade music in or out. To create fades in Audacity, select the section to fade — often this is the first or last second or two of a track. Then go to the effects menu and choose fade in or fade out.</p> <p><b>Lesson 6:</b> You will need to be familiar with using Audacity to export audio recordings.</p>
Resources	<p>iPad - Garage Band</p> <p>Garage Band Guide: <a href="#">Use the Audio Recorder in GarageBand for iPad – Apple Support (UK)</a></p>