

# BRUNSHAW PRIMARY SCHOOL



Inspiring children to be resilient and aspirational learners, within a positive and considerate community

Subject: Computing	Year group: 4 Term: Autumn 2	Title: Audio production
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<p><b>What should I already know?</b></p> <ul style="list-style-type: none"><li>• A digital device is made up of several parts</li><li>• An input is data entered into a computer</li><li>• A process acts on the input</li><li>• An output is produced by the process</li><li>• A project must be exported so it can be shared</li></ul>	<p><b>Facts I will learn</b></p> <ul style="list-style-type: none"><li>• Sound can be recorded</li><li>• An input device is needed to record sound</li><li>• Output devices are needed to play audio</li><li>• Recorded audio can be stored on a computer</li><li>• Audio can be edited</li><li>• Sound can be represented visually as a waveform</li><li>• Audio can be layered so that multiple sounds can be played at the same time</li></ul>	<p><b>Key questions</b></p> <ul style="list-style-type: none"><li>• How can sound be recorded?</li><li>• How can sound recordings be edited?</li><li>• What are the different parts of a podcast?</li><li>• Can I record and edit a podcast?</li><li>• How can my podcast be enhanced?</li><li>• How could my podcast be improved?</li></ul>												
<p><b>Key Skills</b></p> <ul style="list-style-type: none"><li>• To record sound using a computer</li><li>• To play recorded audio</li><li>• To import audio into a project</li><li>• To delete a section of audio</li><li>• To change the volume of tracks in a project</li></ul>	<p><b>Experiences that school will provide</b></p> <ul style="list-style-type: none"><li>• Cross-curricular links with other subjects</li><li>• Opportunities to work with a range of hardware and software</li></ul>	<table><tr><th>Key vocab</th><th>Definition</th></tr><tr><td><b>Audio</b></td><td>Sounds, often those which have been recorded</td></tr><tr><td><b>Microphone</b></td><td>An input device that takes audio and sends it to a computer</td></tr><tr><td><b>Speaker</b></td><td>An output device that produces sound</td></tr><tr><td><b>Input device</b></td><td>Entering data into a computer. Input devices include keyboards and touch screens</td></tr><tr><td><b>Output device</b></td><td>The data that comes out of a computer. Output devices include a speaker and printer</td></tr></table>	Key vocab	Definition	<b>Audio</b>	Sounds, often those which have been recorded	<b>Microphone</b>	An input device that takes audio and sends it to a computer	<b>Speaker</b>	An output device that produces sound	<b>Input device</b>	Entering data into a computer. Input devices include keyboards and touch screens	<b>Output device</b>	The data that comes out of a computer. Output devices include a speaker and printer
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<p><b>Web links</b></p> <ul style="list-style-type: none"><li>• <a href="#">Keeping children safe online   NSPCC</a> Information about internet safety for children</li><li>• <a href="#">Best Podcasts for Kids   Common Sense Media</a></li></ul>	<p><b>Experiences that could be provided at home</b></p> <p>Listen to a children’s podcast. Can your child identify when the sound clips have been edited? Can they hear additional sounds which have been used to enhance the podcast?</p>													

A list of podcasts suitable for children		<b>Podcast</b>	A podcast is an audio file that users can stream or download and listen to. Podcasts can cover almost every topic
		<b>Edit</b>	To make changes by correcting mistakes, making improvements and removing unnecessary parts
		<b>Trim</b>	Removing parts of an audio file
		<b>Align</b>	To select when different audio files start, by lining them up together
		<b>Layer</b>	To have different audio files playing at the same time to create one sound
		<b>Import</b>	To use data on an application from another source
		<b>Host</b>	The person who presents the podcast
		<b>Waveform</b>	A pictorial representation of a sound wave
		<b>MP3</b>	A data file format for audio