National Centre for Computing Education

Raspberry Pi

# Year 4 – Creating media – Audio production

| Lesson | Brief overview | Learning objectives |
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| 1. Recording sound | In this lesson, learners will identify the input devices used to record sound and output devices needed to listen to it. They will then record their voices using a computer, and reflect on what makes a good audio recording. Lastly, learners will consider ownership and copyright issues related to recordings. | • I can identify the input and output devices used to record and play sound<br>• I can use a computer to record audio<br>• I can explain that the person who records the sound can say who is allowed to use it |
| 2. Editing audio | In this lesson, learners will record and re-record their voices to improve their recordings. They will edit the recordings, removing long pauses and mistakes. Learners will also listen to a range of podcasts and identify the features of a podcast. | • I can re-record my voice to improve my recording<br>• I can inspect the soundwave view to know where to trim my recording<br>• I can discuss what sounds can be added to a podcast |
| 3. Planning a podcast | In this lesson, learners will record their voices and then import and align sound effects to create layers in their recordings. Learners will learn how to save their work so it remains editable. They will then plan their own podcast which they will work on in future lessons. | • I can explain how sounds can be combined to make a podcast more engaging<br>• I can save my project so the different parts remain editable |

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| | | • I can plan appropriate content for a podcast |
| 4. Creating a podcast | In this lesson, learners will record the voice tracks for their podcast. They will review their recordings and re-record if necessary. Learners will edit, trim, and align their voice recordings, and then save their project so they can continue working on it in the next lesson. | • I can record content following my plan<br>• I can review the quality of my recordings<br>• I can improve my voice recordings |
| 5. Combining audio | In this lesson, learners will develop their podcast further by adding content such as sound effects and background music. The audio will be layered with their existing voice recordings and exported as an audio file. | • I can open my project to continue working on it<br>• I can arrange multiple sounds to create the effect I want<br>• I can explain the difference between saving a project and exporting an audio file |
| 6. Evaluating podcasts | In this lesson, learners will evaluate their own podcasts and that of others. After looking at the evaluation, learners will decide if they can improve their podcast and then make any changes they have chosen. | • I can listen to an audio recording to identify its strengths<br>• I can suggest improvements to an audio recording<br>• I can choose appropriate edits to improve my podcast |

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