Activity 1

Open the mp3 file provided by your teacher and zoom in to take a screenshot of the sample rate.

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| 44,100 KHz |

Once you’ve added the screenshot, listen to the song – do you notice any differences?

Activity 2

Select the track and go to Track and then select re-sample. Change the sampling rate to 22.050 KHz and take a screenshot below.

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| 22,050 KHz |

Once you’ve added the screenshot, listen to the song – do you notice any differences?

Activity 3

Repeat this process and change the sampling rate to it’s lowest.

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| 8,000 KHz |

Explain the differences the differences you’ve seen or heard from the first sample (44,100 KHz) compared to the final sample (8,000 KHz)

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| As the sampling rate was reduced, the rate at which samples were taken also drop and become less frequent over time. As a result, this has an impact on the quality as the sound became muffled and it wasn’t as easy to hear instrumentals in the background. |

\*Answers may vary