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| **1.1a Analogue and Digital data** |
| * Learners should understand:   + what is meant by analogue data   + what is meant by digital data   + analogue and digital devices   + the relationship between analogue and digital data. * Learners should:   + be able to explain the main principles of analogue to digital conversion in relation to recording, sampling and storing sound and light. |

Specification points:

Skills audit:

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| **Criteria** |  |  |  |
| I know what is meant by analogue data |  |  |  |
| I know what is meant by digital data |  |  |  |
| I can identify analogue and digital devices |  |  |  |
| I understand the relationship between analogue and digital data. |  |  |  |
| I understanding the concept of sampling. |  |  |  |

Teacher feedback:

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Student response:

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**Exam-style questions**

1. Sonny uses his laptop computer to record an audio track of himself playing the guitar.
2. Identify the industry standard sample rate Sonny should use.

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**[1]**

1. Outline what happens when the computer converts the music into a file.

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**[2]**

1. Sonny increases the sample rate his laptop is using to record his guitar.

Explain **two** effects this will have on Sonny’s recording.

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**[4]**