# **Year 9 – Data science**

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| **Learner:** |  | **Teacher:** |  | **Date:** |  |

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|  | **Emerging [1]** | **Expected [2]** | **Exceeding [3]** | **Score** |
| **Problem (Lesson 4, Activity 1)** | * Has attempted to provide a question that could be used to help solve the problem
 | * At least one question posed is appropriate to the scenario and can be investigated using data
 | * Has provided a minimum of two questions, both of which are appropriately framed and can be investigated further using data
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| **Plan** **(Lesson 4, Activity 2)** | * Has attempted to provide a prediction of what the answers to the questions will be
* Has produced a list of data that needs to be collected, some of which is suitable and relevant to the problem
 | * Has provided a sensible prediction as to what they think the answer to at least one of the questions will be
* Has produced a list of data that needs to be collected, most of which is suitable and relevant to the problem
 | * Has provided a sensible prediction as to what they think the answer to at least two of the questions will be
* Has produced a comprehensive list of data that needs to be collected, all of which is suitable and relevant to the problem
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| **Data****(Lesson 4, Activity 3 and Lesson 5, Activity 1)** | * Has created a partially complete data capture form and has a small number of entries to analyse
* Has attempted to cleanse the data, but errors may still exist when it is analysed
 | * Has created an appropriate data capture form and collected data to analyse
* Has attempted to cleanse the data and correct or remove any errors
 | * Has created a fully appropriate data capture form and collected and has clearly spent time collecting a good set of data to analyse
* Has cleansed the data so that it is free from errors
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| **Analysis****(Lesson 5, Activity 3 and Lesson 6, Activity 1)** | * Has created one or more visualisations, at least one of which attempts to use the data to answer the questions posed
* Little or no attempt has been made to analyse their findings
 | * Has created visualisations that compare at least two variables to help answer their questions
* Has written a sensible analysis of what they can learn from their findings
 | * Has visualisations to answer both questions that compare at least two variables to help answer their questions
* Has written a detailed and thoughtful analysis of what they can learn from their findings
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| **Conclusions****(Lesson 6, Activity 2)** | * Has attempted a conclusion that makes at least one recommendation; recommendation may not be fully justified against their findings
 | * Has written a conclusion that reflects on their findings and makes a sensible recommendation as to what the next steps should be
 | * Has written a thoughtful and reflective conclusion that makes sensible recommendations as what the next steps should be; all recommendations are backed up by their findings
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| **Teacher feedback** |  |
| **Learner response to feedback** |  |

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