**Reading (VIPERS FORM)**

Use this form to record key ideas from reading to prepare for the lessons.  make sure you upload the completed form in TEAMS (Reading section)

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| Topic you prepared: | Links used: |
| Dictionaries |  |

Terms: Write any new technical term and their meaning, add more rows if needed.

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| **Terms** | **Meaning** |
| Collection | Put more than 1 value in them to carry them around in 1 convenient package |
| Dictionary | A bag of values, each with its own label, under 1 name |
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| **What can we understand from the topic?** |
| With a dictionary we can store variables inside a key which means that the value inside can change through changing the key. |

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| **How this topic linked to other previous topics ? What conclusions can we draw from this topic?** |
| We can use lists and other previous python programming techniques and create programs such as counting. |

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| **What are the strengths / applications of this topic? (e.g. accuracy, steps of calculations, time or space complexity, used when …., hardware and software needs, ethical or legal issues, ….etc.)** |
| It makes adding values into variable s easier and recalling the information. This prevents huge lines of code which can instead be shortened into a dictionary/list of code. |

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| **What are the limitations / drawbacks of this this topic (e.g. problems, limited accuracy, too many steps, too complex, cannot be used when, hardware requirements, ethical and legal issues, ….. etc.)** |
| There aren’t any limitations that I can think of. |

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| **Write a summary of the topic in 50 words** |
| In conclusion, this makes adding values to a list easier and more efficient and add values to variables and storing the information. An easy example would be to counting common names. Inturn making huge programs becomes easier and much simpler. |