**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: |
| Karnaugh map | [OCR A Level (H046-H446) Karnaugh maps Part 1 - YouTube](https://www.youtube.com/watch?v=gT9LdBr5DbU&list=PLCiOXwirraUBj7HtVHfNZsnwjyZQj97da) |

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

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| **Terms** | **Meaning** |
| Karnaugh map | Allows manipulation, modelling and simplification for Boolean expressions. |
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| **What can we understand from the topic?** |
| We can understand that Karnaugh maps makes 2 or more variables in Boolean expressions making it visually easier to understand. |

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| **How this topic linked to other previous topics? What conclusions can we draw from this topic?** |
| Links to binary values, Boolean algebra/operations and gates. |

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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.)** |
| Simplifies Boolean algebra when using AND operations furthermore it allows a much simple method when dealing with multiple statements which can at first seem challenging and confusing |

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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.)** |
| It only works with AND operations which can be useless when it is or operations . |

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| **Write a summary of the topic in 50 words** |
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