**Manjimup Senior High School**

**Australian Curriculum**

**Science in Practice Year 11 – Task 2**

**Identifying unknown substances as acidic, basic or neutral**

**Part C – Data processing and analysis, drawing conclusions and evaluating the investigation.**

Use this template to document the analysis and evaluation component of your investigation.

**Investigation Title (teacher approved):**

**Project Timeline and Progress Log**

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| --- | --- | --- |
| **Date** | **Planned Task** | **Progress Notes** |
| Mon  15 Apr P5 |  |  |
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| Wed  17 Apr P1 |  |  |
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| Thurs  18 Apr P2 | \*Part B Planning & Conducting (Group) Due |  |
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|  |
| Fri  19 Apr P4 | \*Part C Data Processing & Analysis (Individual) Due |  |
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|  |
| Mon  22 Apr P5 |  |  |
|  |
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| Wed  24 Apr P1 | \*Part E Poster Presentations (Group) |  |
|  |
|  |
| Fri  26 Apr P2 | \*Part D Written Report (Individual) Due |  |
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**Data Table**

Copy this over from Part B. Include the data that you collected.

**Data Analysis**

Describe what was observed using words. Reveal any patterns or relationships that can be seen.

**Conclusions**

Based on the patterns and relationships that were observed, make statements about what can be concluded from your experiment. Did the data support your hypothesis? Justify your statements using evidence from your data.

**Evaluation**

Provide commentary on the accuracy, reliability and validity of your procedures and data. Was your methodology a valid (fair) test of the research question? Did your methodology produce reliable data? Were there any outliers or issues with the collection of data? What improvements could be made to the methodology? How could the experiment be extended?