**Manjimup Senior High School**

**Australian Curriculum**

**Science in Practice Year 11 – Task 3**

**Ocean acidification**

**Part B – Draft (20%)**

Your job with this feature article is to convince your audience of the importance of ocean acidification. This will include description of the causes and the chemistry behind ocean acidification, as well as the impact that it has on ocean ecosystems and human well-being.

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| **Article Title**   * Entice your audience with a short but revealing title. |
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| **Introduction**   * Provide a ‘hook’ to immediately engage your audience. For example, a question, a quote, a proposition or interesting statistic related to ocean acidification and its impacts. Include the source in your bibliography. * Consider offering an opinion or point of view that connects your audience to the topic. |
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| **Part 1**   * Provide description of what ocean acidification is and how it happens. * If you can, include data on the historic change in oceanic pH and future projections. * Include an image or diagram that helps explain the science. Don’t forget to include the source in your bibliography. * Try using the PEEL paragraph structure described below. |
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| **Part 2**   * Share examples of how particular ocean organisms are affected by ocean acidification. * If relevant, include an image or diagram that helps explain the science. * Don’t forget to include any sources in your bibliography. * Try using the PEEL paragraph structure described below. |
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| **Part 3**   * Share other examples of how species are affected and the impact on ecosystems. * Give an example of a particular human community that has been negatively impacted. * Share what scientists have forecasted will happen in the future. * If relevant, include an image or diagram that helps explain the science. * Don’t forget to include any sources in your bibliography. * Try using the PEEL paragraph structure described below. |
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| **Conclusion/summary**   * Restate any important points. * Leave your audience with a lasting impression of the problem by asking a rhetorical question, for example. Draw a personal connection. Get them to imagine the consequences of ocean acidification. * Provide solutions and call to action that will result in your article having a positive impact. |
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| **Bibliography/Citing sources**   * Use in-text citation when quoting. * List any sources that you used for ideas or quoted in your text.   List websites and videos:  “Title of Article/Work.” URL.   For images:  Description of image. *Title of Website*, URL. |
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**PEEL Paragraph Sentence Starters**

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| **POINT** | **EVIDENCE** | **EXPLANATION** | **LINK** |
| It can be argued that…  We can infer that…  Evidence suggests that…  It is obvious that…  It is believed that…  The sources suggest that… | According to (source)...  For example, …  This is illustrated by…  This can be seen…  Data shows that…  For instance…  Firstly, … (Secondly…; Furthermore…)  However, … (On the other hand, …) | This means that…  What this shows is…  As a result, …  Because of this…  This emphasises…  Consequently, …  This demonstrates that…  The evidence explains that... | It is clear that…  This is important because…  From this, we can see…  In conclusion,...  We can therefore see…  Thus…  In this way, ...  With this in mind…  Fundamentally, …  The most important factor is… |

PEEL Paragraph EXAMPLE

Should animals be kept in zoos? POINT EVIDENCE EXPLANATION LINK

First of all, removing wild animals from their natural habitats is incredibly cruel. When kept captive, these beautiful creatures become bored and lonely, often leading to a condition called ‘zoochosis’ (Dobson, 2010). Animals suffering from zoochosis begin performing anxious, repetitive acts such as rocking back and forth, swaying, grooming themselves excessively and vomiting. Conditions such as this clearly demonstrate that wild animals belong in the wilderness; not restrictive, prison-like enclosures. Animals must be freed from zoos now, so that this terrible suffering and mental torture ends for good.

**Part B Marking Key**

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| **Description** | **Marks** |
| Presents information that conforms with the conventions for the required product type | 3 |
| Presents information that generally conforms with the conventions for the product type | 2 |
| Presents information that does not conform with the conventions for the product type | 1 |
| **Subtotal** | **/3** |
| Outlines the theme of the project and includes a proposition | 2 |
| Outlines what is to be discussed in the project | 1 |
| **Subtotal** | **/2** |
| Uses accurate supporting evidence | 3 |
| Uses supporting evidence, some of which is accurate | 2 |
| Uses limited supporting evidence | 1 |
| **Subtotal** | **/3** |
| Drafts an evidence-based conclusion for the chosen topic | 2 |
| Attempts to draft an evidence-based conclusion for the chosen topic | 1 |
| **Subtotal** | **/2** |
| **Draft total** | **/10** |