**Science Magazine Article Assignment (25pts – Due 09/05/17)**

*What lies beneath* (or another title of your choosing)

Learning objectives:

* Explain what is meant by “pressure”.
* Relate the pressure in liquids do depth of water.
* Find relationships between adaptations and the pressure that animals are living at.

Essential Question:

* How do animals survive at 5000m below the ocean’s surface?

Things to include…

* What is pressure?
* What happens to pressure the deeper you go under water?
* What are the features of deep-sea creatures? How do these characteristics help them survive?
* What are scientists doing to find out more about these animals (you will have to do additional research to include this information).

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| **Suggested Title: What lies beneath?** | **Things you could include** | **Sentence starters** |
| Introduction - Hook | “How little we know now..  “Recent discoveries of weird animals  “A description of the darkest depths | Have you ever wondered…  Deep on the ocean floor…  Did you know…  At 5000m below the surface of the ocean…  We know less about the deep ocean than… |
| Section 1 | Introduction into the challenges of living underwater - pressure | The greatest challenge of…  The main reason we know so little about…  Examples – comparing pressure underwater to other experiences e.g. being this far underwater is like… |
| Section 2 | Explain how the animals survive-link to adaptations | One incredible creature is…  It has…  Unlike animals on land…  This enables it to… |
| Conclusion | Round up | We still do not know…  Scientists are still…  In the future… |

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| **Criteria** | **Exceeds the Criteria (4)** | **Meets the Criteria (3)** | **Approaches the Criteria (2)** | **Criteria not Met (1)** |
| Organization | Contains a highly effective hook. Contains 2 distinct and organized sections. Contains a highly effectual conclusion that clearly concludes the article for the audience. | Contains a hook. Contains 2 distinct sections. Contains a conclusion that clearly concludes the article for the audience. | Contains an ineffective or no hook. Contains 2 indistinct or disorganized sections. Contains a conclusion that does not clearly conclude the article. | Hook is missing. Sections are jumbled and disjointed. Conclusion is missing. |
| Ideas | Clearly addresses all questions posed in the assignment and provides additional information. | Clearly addresses all questions posed in the assignment. | Addresses some of the questions posed in the assignment. | Addresses few, if any, questions posed in the assignment. |
| Conventions | Contains 0 conventions errors (spelling, grammar, etc.) | Contains 1-3 conventions errors (spelling, grammar, etc.) | Contains 4-6 conventions errors (spelling, grammar, etc.) | Contains more than 6 conventions errors (spelling, grammar, etc.) |
| Sentence Fluency | All sentence are complete and logical with little repetition of structure or beginning. | 1-3 sentences are incomplete or repeat in structure or beginning. | 4-6 sentences are incomplete or repeat in structure or beginning. | More than 6 sentences are incomplete or repeat in structure or beginning. |
| Word Choice | Avoids all uses of all forms of first and second person pronouns. Uses a high level of vocabulary. | Contains 1-3 uses of first or second person pronouns. Uses grade level vocabulary. | Contains 4-6 uses of first or second person pronouns. Uses below grade level vocabulary. | Contains more than 6 uses of first or second person pronouns. Uses below grade level vocabulary. |
| Voice | Contains no slang or contractions. Written in a formal style. | Contains 1-3 uses of slang or contractions. Written in a semi-formal style. | Contains 4-6 uses of slang or contractions. Written in an informal style. | Contains more than 6 uses of slang or contractions. Written in informal style. |
| Word Count | 500 words or more | 400-500 words | 400-300 words | 300 -200 words |