Geology 12

**Investigating Evolution**

***Big Idea****:* **Earth’s geological and biological history is interpreted and inferred from information stored in rock strata and fossil evidence.**

***Purpose****: to investigate evidence for evolution in the fossil record.*

1. **Choose** two prehistoric creature models from the window – you must choose two that you see a connection between them.
* CONNECTION: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
1. Divide a notes page into two. Put the name of each creature at the top.
2. Now research them (making a **list of sources in APA format**), listing everything you can find about these two creatures. (30 min)

Be sure to include:

* + when they lived
	+ how/where they lived
	+ what they are related to
	+ what they evolved from/descended into
	+ fossils – completeness?
	+ Stories of their discovery
1. Share your creatures with inside/outside circles. (15 min)
2. Write a **story** around the evolution of your two creatures – **include the concept of time.** *(500-700 words)*
	* Email me your story and APA list of sources (pbond@sd44.ca) by **Friday May 17**

Assessment:

|  |  |  |
| --- | --- | --- |
| **RUBRIC** | **Level** | **Criteria - *The student is able to:*** |
| **Exceeds Expectations** | 6 - 7 |  |
| **Fully Meets Expectations** | 5 | * Write a story of your ‘**connection’** (*feathers/eggs/plates/etc…)* between your **two prehistoric creatures**, including info about your organisms.
* Includes reference to **Time**, and a basic understanding of **Evolution**.
* 500-700 words
* Sources are cited in APA format (**Reference list**)
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| **Approaching Expectations** | 3 - 4 |  |
| **Does Not Meet Expectations** | 0 - 2 |  |