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](mailto: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**) |
| **Approaching Expectations** | 3 - 4 |  |
| **Does Not Meet Expectations** | 0 - 2 |  |