**Adaptation and Natural Selection – Project**

Directions:

* You may work independently or with a partner. Students will be given two class periods for research and one period to work with their information.
* Projects must be ready to present on May 15 (6W), May 16 (6M)
* Select **one** of the project presentation options below to share your information with your classmates.
* Prepare a power point or poster board, or write and perform a skit or song. Remember that we have been discussing how animals meet their needs for food, water, air, movement, and reproduction.

Project choices:

1. Select a Canadian endangered animal. Describe its habitat and how it meets its needs. What features does it have that have helped it adapt to its environment? What has led to its endangerment? What is being done to help it survive?
2. What types of fossils have been found in Atlantic Canada? Describe the physical environment of these areas. What theories exist about what caused particular organisms (ex. Dinosaurs) to become extinct? Why are fossils found in some areas and not others?
3. What tools and techniques do paleontologists use to acquire knowledge about fossils? Compare how they used to do their work with how it is done today. How do these changes lead to better scientific knowledge?
4. Choose one pair of animals below. Describe where in the world they are usually found. Describe the habitat of each. Discuss the features that the animals have that are similar, and what features the animals have that help them survive in their different habitats.

* Brown bear and polar bear
* Red fox and arctic fox
* Red-eyed tree walker frog and poison dart frog
* Beluga whale and Orca whale

Evaluation: Content: /30

Visual information (photos, video clip, illustrations): /10

Oral Presentation: /10

Endangered animals – suggestions: Peregrine Falcon, Black Footed Ferret, Grizzly Bear, Atlantic Walrus, Grey Whale, Pacific Pond Turtle, Tiger Salamander, Timber Rattlesnake, Paddlefish