**INVENT A SPECIES!**

Group Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Group Members:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Goal:

Invent a species.

Task

As a group you have the opportunity to invent a new species. Will it be able to survive the different environments that Earth has? What will be the fate of your new species?

You will need to focus on one kid of environment for your species to survive in. The development of your species must be grounded in scientific thought and reason. Evidence must support the key features and descriptions of your species.

At the end of the project, the class will “test” your species using four different environments...will your species survive?

**Final projects are due on**:\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Options

1. A built model of your new species (physical or digital)
2. A Wikipedia entry about your new species

A. Model

This is a built model of your species. Be creative. Make sure your model addresses all six features below. The model can be physical or digital. Physical models must be built from scratch (for example, you cannot alter a stuffed animal that you bought) and durable enough to withstand transportation.

*Your model must include:*

1. Labels for each of the categories below. You must label all seven characteristics.
	1. **Fur:** Does it have fur? If so, what color?
	2. **Height and Weight**: How big is it? Is it tall or short? Is it slender or thick?
	3. **Claws**: Does it have claws? If so, what kind?
	4. **Diet**: Is it a herbivore (eats plants), omnivore (eats both), carnivore (eats animals)
	5. **Gills**: Does it have gills?
	6. **Speed**: How fast does it move?
	7. **Defenses:** Is it venomous? Does it have sharp teeth? How does it defend itself?

B. Wikipedia Entry

This is a written document that describes your species. Design it similar to a Wikipedia page. This can be done on a word document OR a slide show. Your information must contain supporting evidence that clearly and logically follows a line of reasoning.

*Your Wikipedia page will include:*

1. An image or photo
2. An introductory description
3. Details about the categories below. You must discuss all seven characteristics.
	1. **Fur:** Does it have fur? If so, what color?
	2. **Height and Weight**: How big is it? Is it tall or short? Is it slender or thick?
	3. **Claws**: Does it have claws? If so, what kind?
	4. **Diet**: Is it a herbivore (eats plants), omnivore (eats both), carnivore (eats animals)
	5. **Gills**: Does it have gills?
	6. **Speed**: How fast does it move?

Resources

* Wikipedia page on humans

 <http://en.wikipedia.org/wiki/Human>

* Science Daily New Species News <http://www.sciencedaily.com/news/plants_animals/new_species/>
* Top 10 New Species 2015 <http://www.discovery.com/dscovrd/wildlife/top-10-new-species-of-2015/>
* Interactive Tree of Life

 <http://www.wellcometreeoflife.org/interactive/>

**Reflective Paper**

1.) explains how their species did in each environment (survive or die), 2.) how you would change your species to survive in the environments where it died (adapt), and 3.) how important the environment is for survival and evolution.