**Design an Imaginary Ecosystem**

**MISSION:**

Over the next few weeks, in groups of 2, or by yourself, you will be designing and artistically depicting an imaginary ecosystem. Your final project will include a Poster, One-to-Two page report and a five minute in-class presentation.

**Your report must include…**

* Location

> tell me where you ecosystem is (another planet, an imaginary world, or a place here on earth)

* Biological Community

> come up with some imaginary organisms… you must have at least 5 producers, 5 primary consumers, 5 secondary consumers and 5 decomposers

\*for each species tell me about their population size, reproductive behavior, nutritional requirements and position in a food web

* Physical Components

> Climate – tell me about the temperature, seasons, humidity, precipitation, etc.

> Surface Conditions – what are the conditions of the soil (minerals, texture, grade, etc.

 - are there any lakes, rivers, ponds, oceans, etc.

* A disturbance (this could be a climate change or human interference)

> identify how the disturbance will affect each of the members of your biological community (will your organisms become extinct, endangered, extirpated, threatened or vulnerable)

(will your land, climate, temperatures, etc. be affected?)

**Your poster must include…**

* Pictures of your imaginary organisms and physical components (could draw or print of pictures from the computer, or cut and paste pictures from magazines, newspapers, etc.)
* Little “white space” --- your poster should be filled with pictures!

**Your presentation must include…**

* The name of your ecosystem
* The types of organisms that live in your ecosystem
* The type of climate and surface conditions
* A Disturbance

\*DO NOT simply read your report!!! I just want a summary of what you wrote.

Your presentation could include music, video, drama, etc. GET CREATIVE!!!