Grade Level: 4-6

Approximately 90 minutes

Overview
Students will learn about the variations in environments throughout the world and give students a broader scope for to those who have only seen one type of environment.

Objectives
- Students will be able to identify the components of biomes
- Students will be able to use the Internet to research and compile information
- Students will be able to use the Internet to supplement their research with pictures
- Students will able to prepare and deliver a semi-formal presentation to their peers
- Students will use encyclopedias to find additional information
- Students will be able to use Lexipedia to decipher words that are unfamiliar

Standards
- Based upon Indiana’s science standard 4.4, students will be able to:
  - How many different species there are
  - What different species are like
  - How different species relate to each other
  - How living things function
  - How they interact with one another and their environment

Materials Needed
- computer access with a printer (preferably color)
- Internet access
- construction paper
- glue sticks
Science Lesson Plan  
Elementary Level

Preparation For Project

1.) Introduce the definition of a biome  
2.) Discuss the types of organisms that inhabit each biome  
3.) Describe how the seven biomes differ from one another  
4.) Overview how to use Lexipedia  

Procedures

1.) Students are assigned one of the seven biomes  
2.) Students create a written report of their assigned biome based on Internet research  
3.) Students will underline any unknown words they encountered during research  
4.) Students will look up the unknown words on Lexipedia  
5.) Students create a collage of photos found on the Internet by cutting them out and gluing them to the construction paper  
6.) Students give a short semi-formal presentation to the class using the collage and written report  
7.) Students that are listening to their peers’ presentations will take notes on the remaining biomes  
8.) Students will use their notes and their own written reports as study tools for exams  
9.) A discussion will take place that allows students to talk about their experiences with Lexipedia  

Evaluation

• An exam will be given that asks students to write two to three sentences about each biome, based upon the presentations and their own research  
• The test should have the names of the biomes already listed  

Adapted from http://www.learnnc.org/lp/pages/3853