

Creating an Ecosystem

This project will be the finale of our study of biomes and plants/animals. Over the last few weeks we have investigated characteristics of the different biomes, and how plants and animals adapt to their environment. You are going to create your own ecosystem, complete with a model of plants and animals that live in this ecosystem. You will use the shoe box you brought into class to make this environment. Most of this work will be completed in class. We will use old magazines, pipe cleaners, markers and construction paper to make the biotic and abiotic factors in your ecosystem. If you do not finish in the allotted time, you will need to complete the assignment at home. In addition you will write a one page paper about your ecosystem, plants, and animals.

You will need to write 1-2 paragraphs about your ecosystem, 1-2 paragraphs about your animals and 1-2 paragraphs about your plants. Be sure to include details about precipitation, temperature, seasons, and landforms. You want to accurately describe the habitats your plant and animal will be experiencing. When you describe your plants and animals be sure to include how it meets its basic needs of food, water, and shelter in the environment that you create..

We will devote three Science periods to this project and one time in computer to work on the writing. Please make sure you have your flash drive available.

Rubric

Excellent Ecologist

Ecosystem model has at least 3-4 biotic (animals and plants) and 3 abiotic factors (climate, landforms, location, etc)

Animals have adaptations to help them meet all three basic needs

Plants have adaptations to survive in ecosystem.

Adaptations are clearly explained

Good grammar is used throughout project

Project is neat and creative

Capable Conservationist

Ecosystem has 2-3 biotic factors and 2 abiotic factors.

Animals have adaptation to help them meet some of their basic needs

Plants have adaptations to help them meet some of their basic needs

Adaptations are somewhat explained.

There are few grammar mistakes

Project is neat and creative

Passable Preservationist

Ecosystem has one plant and one animal. Abiotic factors are not adequately explained.

Animals have adaptations to help them meet only one of their basic needs.

It is unclear how plants meet their basic needs

Adaptations are not clearly explained.
There several grammar mistakes throughout the project.
The project is not near or creative.

Contact Information:

Marsha Fischer
David Posnack Hebrew Day School
Davie, FL