

Food Web Project

Created by RuthAnn Lane

Food Web Project Description

Goal: Create a food web based on a chosen ecosystem, with at least 3 food chains that interlock.

Materials: netbooks, research books and articles, project materials, science textbook

Helpful Websites: (All found on our Fifth Grade Website)

Ecosystem StudyJam

<http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/ecosystems.htm>

Food Chain StudyJam

<http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/food-chains.htm>

Food Web StudyJam

<http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/food-webs.htm>

Biome StudyJam

<http://studyjams.scholastic.com/studyjams/jams/science/ecosystems/biomes.htm>

Food Web Practice

http://www.harcourtschool.com/activity/food/food_menu.html

Food Web and Food Chain

http://www.sciencebob.com/questions/q-food_chain_web.php#

Grassland Biome

http://www.ducksters.com/science/ecosystems/grasslands_biome.php

Desert Biome

http://www.ducksters.com/science/ecosystems/desert_biome.php

Coast Biome

http://www.ducksters.com/science/ecosystems/marine_biome.php

Forest Biome

http://www.ducksters.com/science/ecosystems/marine_biome.php

Food Chain and Food Web Prezi (created by me)

<http://prezi.com/slq9pkvkhzsv/food-chains-and-food-webs/>

Requirements:

- 3 food chains that interlock to create a food web
- At least 1 labeled decomposer
- Labeled consumers
- Labeled producers
- Use arrows to show the direction of energy from one item to the next. Some items may have more than one arrow coming to it or leaving from it.
- Detailed descriptions of each item. State the name of the item. Include if this item is an omnivore, herbivore, or carnivore. This would also be a great place to include if your item is a decomposer, consumer, or producer. Is it living or non-living?

Presentation: Your presentation may be completed in any manner you chose. If your presentation requires materials, you must bring them in to use during class. Do not forget you must present in front of your classmates. Follow the rubric for all projects.

Below are some suggested ways to present.

Prezi.com, PowerPoint, Poster, Mobile, Diorama, Brochure, Report, Speech, Play

Food Web Project Rubric

	5 Points	4 Points	3 Points	2 Points	0 Points
Food Web	The student includes 3 food chains that create an interlocking food web. This food web includes producers, consumers, and decomposers.	The student created 3 food chains but they do not interlock to create a food web. It is apparent the student did not understand the difference between a food web and food chain.	The student only used two apparent food chains to create a food web.	The student has two food chains but they do not form a food web.	The student only has one food chain.
Ecosystem to Biome Accuracy	The student created an ecosystem in the proper biome. All of the animals belong in that biome and could be found in that ecosystem.	The student created an ecosystem that is mostly correct for the biome. There is 1 animal that does not belong.	The student has 2 animals that do not belong in that particular ecosystem.	The student has 3-4 animals that do not belong in that particular ecosystem.	The student has more than 4 animals that do not belong in that particular ecosystem.
Visuals	There are at least 9 visuals on the project that help express core content.	The student used 9 visuals but they do not help enhance the project.	The student used 5 visuals.	The student only used 2 visuals.	There are no visuals.
Descriptions	Each animal has a description with it, that tells what the animal eats and labels it as a producer, consumer, or decomposer.	The animals have a description but there is some information missing.	Some animals have descriptions but not all.	The descriptions are very vague and do not explain vocabulary words. The descriptions are more like labels.	The student does not label or describe at all.
Fact Accuracy	All facts are accurate and the student sites his or her sources.	All facts are accurate. OR The student sites his or her sources.	There is one inaccuracy and the student sites his or her sources.	There are 3-4 facts that are mistaken.	There are more than 4 inaccurate facts.
Spelling and Grammar	There are no spelling or grammar mistakes.	There is only 1 spelling or grammar mistake.	There are 2-4 spelling or grammar mistakes.	There are 4-5 spelling or grammar mistakes.	There are more than 5 spelling mistakes.

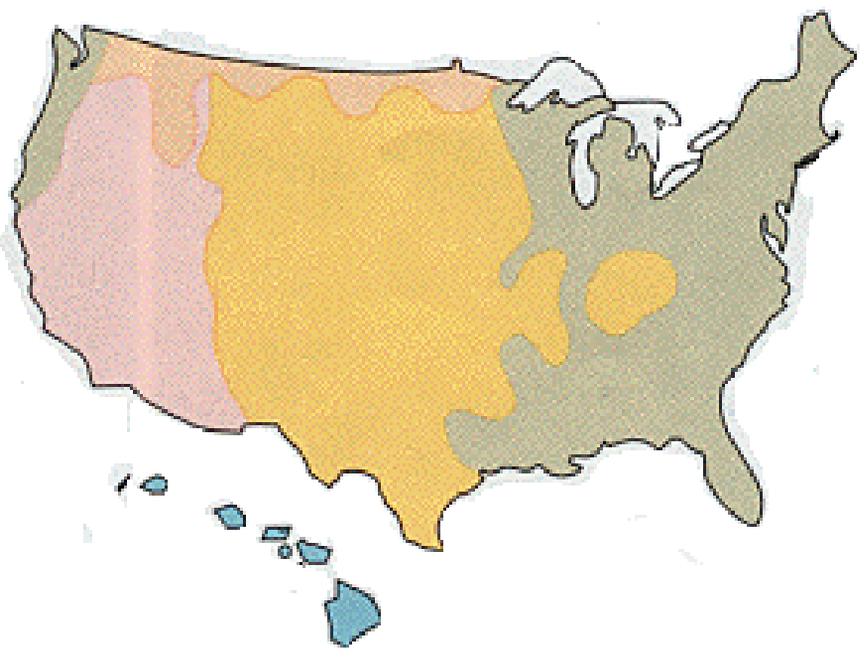
Total: /30

Project Vocabulary

Word	Definition
Consumer	organism that cannot make its own food
Decomposer	Organism that gets its energy by breaking down wastes and dead organisms
Producer	organism that makes its own food for energy
Predator	an animal that hunts and eats another animal
Prey	any animal that is hunted by others for food
Food Chain	a series of organisms each dependent on the next source of food
Food Web	a system of interlocking food chains
Ecosystem	all the living and nonliving things in an area and their interactions
Biome	when an ecosystem becomes very large, it is considered a biome

Land Biomes of the USA

-  Tundra
-  Desert
-  Grassland
-  Rain Forest
-  Deciduous forest
-  Coniferous forest



Biomes

These are some of the biomes in The United States. Choose an ecosystem from below to create your food web.



Grasslands



Deciduous Forest



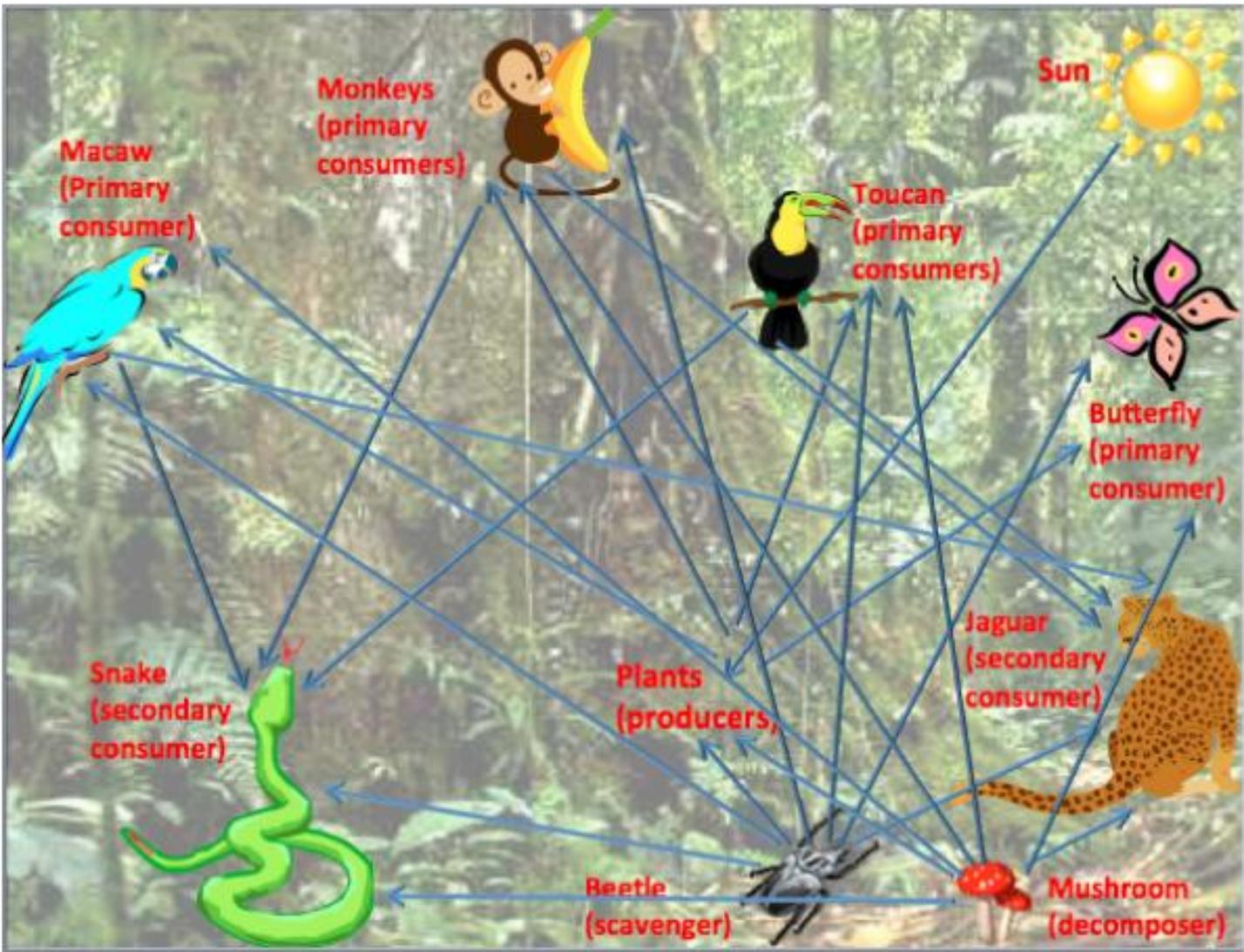
Desert



Coasts

Food Web Example

This is an example of a food web from the rainforest. This is not a food web you would be able to use in The United States. However, you can see how different food chains interlock to create the food web.



Your project can look very similar to this, using animals from the biome you choose. However, you will need to include a more detailed description of each animal to meet the requirements of your rubric. As well, the tropical biome is not part of The United States.