

Food Webs at the Palmer Hay Flats

Before you go:

Watch Videos:

Science Trek Food Web https://www.pbs.org/video/science-trek-food-web/

Visit Websites:

- Alaska's Wetlands & Wildlife pg 111-116: https://www.adfg.alaska.gov/static/education/educators/curricula/alaskawildlifecurriculum/pdfs/alaskas_wetlands_wildlife_curriculum.pdf
- Alaska Department of Fish & Game https://www.adfg.alaska.gov/index.cfm?adfg=lands.main

Print winter/early spring scavenger hunt for each student (also at end of lesson):

https://www.dropbox.com/s/xut9ltuqiag6ii6/Screencast%20Script%20and%20resources.pdf?dl=0

Gather your tools:

- Binoculars/magnifying glass
- Field Notebook for sketching and taking notes
- Pencil
- Optional: Camera/video recorder, Simple map of area

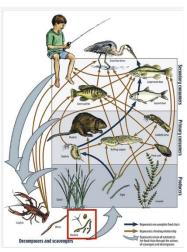
At the Palmer Hay Flats:

- 1. Look at the habitat and the season. Think about what types of plants or creatures you may expect to see.
- 2. Take some time to complete the scavenger hunt page, and while you are doing this, go on to number 3.
- 3. Look for animal signs nests, holes in trees, feathers, plants that have been chewed on, droppings. Watch for animals, insects, or other invertebrates. Speculate on what each creature eats, or what may eat it.
- 4. Make observations of organisms in the habitat where you are. Identify one each of the following: producer, consumer, herbivore, omnivore, carnivore, predator, prey, scavenger, and decomposer. Illustrate through drawing, collage or dramatic play a food web that incorporates each role. Examples of these roles at Reflections Lake include: producer pond algae or moss or trees; consumer -squirrels or insects or humans; herbivore pond snail or moose; omnivore magpie or juvenile wood frog; carnivore adult Wood frog or Great Horned owl; predator eagle, marten; prey arctic hare or shrew; scavenger beetles or red fox, decomposer mushrooms or other fungus or earthworms. Discuss the idea that each organism will exhibit more than one role.
- 5. Take photos and videos if you like.

After your Food Web experience:

Share your learning with others. Post photos on public media, tell your friends and relatives what you saw, what you felt, what you heard, and what you could smell. Tell them which food webs you identified. Show them your notes and sketches.

Make a plan for when you will go and look for food web evidence again.





Winter Scavenger Hunt

FIND AN ANIMAL TRACK	MAKE A SNOW CREATURE	FIND A PART OF A HABITAT	FIND A STINKY SMELL
PICK UP A PIECE OF TRASH	LISTEN FOR A BIRD	INTRODUCE YOURSELF TO A TREE	PICK A PIECE OF LICHEN
TASTE A CHUNK OF SNOW	HUG A TREE	SPOT A MOUNTAIN	FIND A SIGN OF A SEASON

DIG THROUGH THE SN OW TO FIND DIRT	HAVE A ZERO WASTE SNACK	TAP A MUSHROOM	PRETEND TO BE AN ALASKAN MAMMAL
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FIND WATER IN 3	FIND SOMETHING AN	FIND A DINOSAUR	FIND YOUR LOCATION
DIFFERENT FORMS	HERBIVORE EATS		ON A MAP
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ACT OUT THE LIFE	FIND FROZEN WATER	MAKE A GNOME HOME	TELL A FRIEND ABOUT
CYCLE OF A BUTTERFLY		OR FAIRY	SOMETHING YOU
		HOUSE	FOUND