

Seabird Lesson 1

Objectives:

1.A Students will be able to list the three main types of feeding strategies (specialist, generalist, carrion), and discuss the specialized behaviors seabirds possess to use each feeding type (ie foot propulsion or wing propulsion for underwater swims).

1.B Students will know the 4 basic ways seabirds catch their food, (surface feeding, pursuit diving, plunge diving, and kleptoparasitism/scavenging/predation) .

1.C Students will understand 4 main ways adults feed their chicks, (whole prey, regurgitation, throat/gular pouch, stomach oil).

1.D Students will list and find photos of main species of seabirds that breed on the Pribilof Islands, and describe which feeding strategies their species uses to feed itself and its chick.

Activities:

1.A.

Use the Graphic Organizer provided in the Lesson 2 pptx document to have students take notes as the class discusses ideas of feeding strategies. Teacher will use the pdf provided by Dr. Harding to fill the shapes in as the presentation of factual information based on student response begins.

1.B-C

Students will use the Catch Food Notes page to record information discussed / presented in the Lesson 2 pptx.

Students will also complete the Horned Puffin chick diet exercise provided online. (have calculator ready for sample 8)

1.D

Do a general review of Seabirds which breed on St. Paul. Then use the series of color photos from the last lesson to play Seabird BINGO. Students will also practice the Unungan (Aleut) names for each species.

Auklet, Crested, *Aethia cristatella* - Kunugyuŋ

Auklet, Least, *Aethia pusilla* - Chuuchiiŋiŋ

Auklet, Parakeet, *Cyclorhynchus psittacula* - Agaluuyaŋ

Cormorant, Red-faced, *Phalacrocorax urile* - Aagyuuŋiigamaŋ or ingatuŋ or Aagyuuŋ.

Murre, Common *Uria aalge* Sakitaŋ or uluŋtxaŋ

Murre, Thick-billed *Uria lomvia* Sakitaŋ or uluŋtxaŋ

Puffin, Tufted *Lunda cirrhata*- Uxchuŋ

Puffin, Horned *Fratercula corniculata* - Qagidaŋ or Uxchuŋ

Kittiwake-Black-legged *Rissa tridactyla* - Gidaaŋ/gidaaŋiŋ or Qaŋayaaŋ

Kittiwake, Red-legged *Rissa brevirostris* - Qaŋayaaŋ

Students will then log onto computers and use the Resources tab to begin research of their assigned bird species to find out which feeding strategies are primarily used. Information will be documented in a MS Word file to be used at a later date to fill in their species cards.