

## **ANIMAL BEHAVIOUR GUIDE**

The purpose of this lesson is to have students look at groups of animals and how they interact in their community as well as how they behave as individuals.

The teacher preparation will involve becoming comfortable using the GIS tool. You may want to download the pdf document that contains visual help on using the tool. Teachers can log in using 'teacher, teacher' to create and modify sighting information. Students will need to log in using 'student, student' to use the GIS tool. They will be able to open the blue markers that represent sightings on the Race Rocks satellite image.

As for Student Activity Biodiversity, the student is using logged information from previous sightings to obtain information. The student is free to choose a variety of different animal sightings, however they should be encouraged to choose at least some birds as well as Seal, or Sea lions to complete the summary questions.

Time permitting, students could use the remote camera #5 to capture an image and contribute to the data bank. This is best done at the beginning or as a summative activity as only one person at a time can have control of the camera.

A Template for student recording and follow up questions is provided.

## OCEAN QUEST STUDENT ACTIVITY

name \_\_\_\_\_

### ANIMAL BEHAVIOUR

#### PURPOSE:

To identify the behaviours animals demonstrate at Race Rocks and the interactions of Seals and/or Sea Lions and birds in this small protected area.

#### OBSERVATIONS:

Follow the PROCEDURE STEPS 1, 2 and 3 as for Student Activity: ANIMAL BEHAVIOUR.

#### SEAL OR SEA LION DATA ( 3 to 5 samples)

Name of Seal/Sea Lion	Quantity	Behaviour	Location	Gender
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____

#### BIRD DATA ( 3 to 5 samples)

	Quantity	Behaviour	Location	Gender
1. _____	_____	_____	_____	_____
2. _____	_____	_____	_____	_____
3. _____	_____	_____	_____	_____
4. _____	_____	_____	_____	_____
5. _____	_____	_____	_____	_____

Based on your data, answer the questions in SHARE YOUR KNOWLEDGE (next page).

## **SHARE YOUR KNOWLEDGE**

Answer the following questions to the best of your ability.

### **Bird Questions**

1. Are marine birds usually sighted in groups or alone?
2. What are the benefits of this arrangement for (e.g. protection, finding food)?
3. What is the most common use for Race Rocks by marine birds (i.e. most common behaviour from data)?
4. What are the advantages for young birds to building a nest on Race Rocks instead of in a tree?
5. What are the hazards for young birds when the nest is located at Race Rocks?

### **Sea Lion Questions**

6. Are Sea Lions usually sighted in groups or alone?
7. What animals or predators would threaten sea lions, particularly the young sea lion pups?
8. Why would an animal with so much stored fat need to conserve energy by resting on Race Rocks for hours at a time?
9. Are sea lions a threat to the resting birds you observed, and vice versa?
10. How would the presence of a predator, such as an Orca whale, likely affect sea lion behaviour?