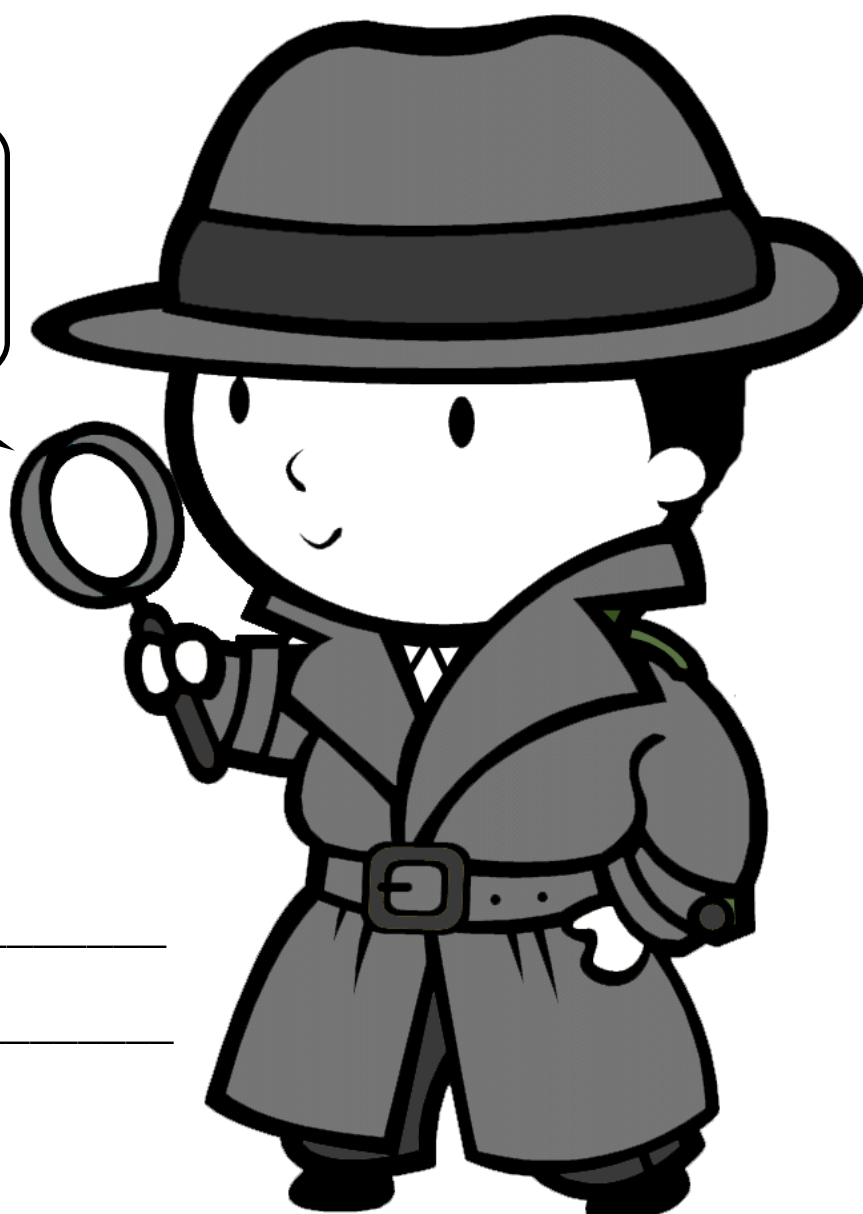




WWF Freshwater and Wetland
Primary School Education Programme
“Wetland Detective” Student Worksheet

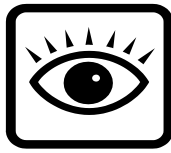
Wetland Detective Handbook

Nothing is hard
for me ! :)



Group Name : _____

Date : _____



Observe

Checkpoint 1 Ramsar Site

We are now going to enter Mai Po Nature Reserve. Try to look around the entrance. Is there any cues showing Mai Po is suitable for wildlife like LOLO is live in?

Your findings :

- 1) Before the public enter the nature reserve, they have to...
 - A. bring their binoculars
 - B. [apply for an entry permit](#)
 - C. wear long sleeve clothing

- 2) The international name of Mai Po and its surrounding wetland is called [Mai Po & Inner Deep Bay Ramsar Site](#), which conserve the greatest piece of exiting wetland in Hong kong, and brought huge benefits to wildlife in the reserve.

3) In Mai Po, what else can be found apart from many kinds of birds? List 3 examples.

Examples: Snakes, Butterflies ,Bees, Chinese otter, Civet cat, etc.

Checkpoint 2 Bird Watching




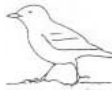






Observe

Your findings :

1. In Tower Hide, identify different bird species and count the number for each of the species you have found.

Bird Species	Count	Bird Species	Count
1. (According to the observation by students)		3.	
2.		4.	

2. Draw/ describe the appearance and behaviour for one of the birds that you found.

<p>(According to the observation made by students)</p>	<p>Bird Species :</p>
	<p>Behaviour :</p> <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;">  Standing </div> <div style="text-align: center;">  Walking </div> <div style="text-align: center;">  Flying </div> <div style="text-align: center;">  Preening </div> </div> <div style="display: flex; justify-content: space-around; align-items: center; margin-top: 10px;"> <div style="text-align: center;">  Bathing </div> <div style="text-align: center;">  Skipping </div> <div style="text-align: center;">  Eating </div> <div style="text-align: center;">  Calling </div> </div>

3. Is the environment outside the hide suitable for wild animals to food hunting?
(Yes / No), because...

Reference answer:

Yes, Gei wai provides shelters and food for wildlife, especially water birds..



Listen

Checkpoint 3 Sound of Nature

Just now we have used our eyes to observe. Now it's time to listen to the sounds from Mai Po's environment!

Your findings :

1. Try to list the sounds that you hear in Mai Po, and circle the unnatural sound.

Examples:

From the nature: sounds from wind, moving leaves, birds, etc.

Not from the nature: sounds from human, bicycles, machines, helicopter ,etc.

2. Think about : Is the existence of the unnatural sounds good or bad to the environment?

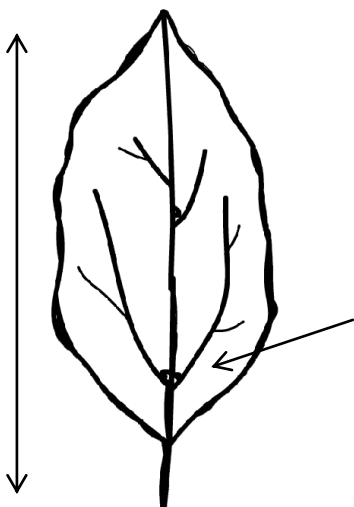
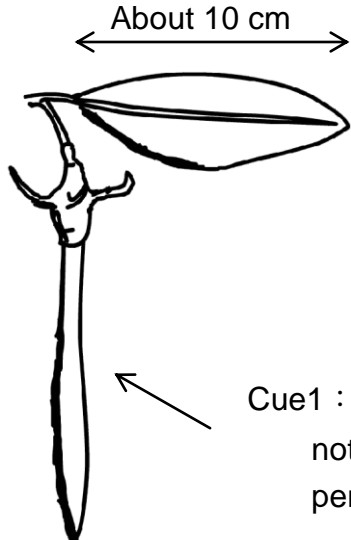
3. One of the sounds that your group likes the most is _____, because ____ (No standard answer, marks can be given if answers are reasonable).

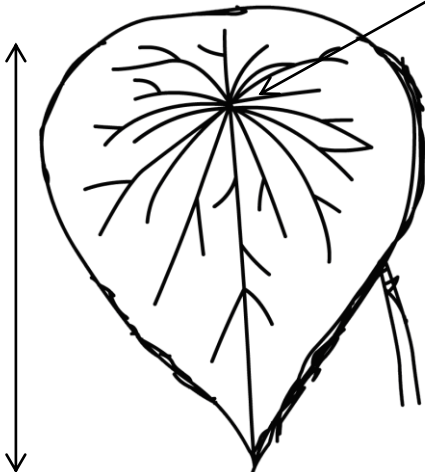
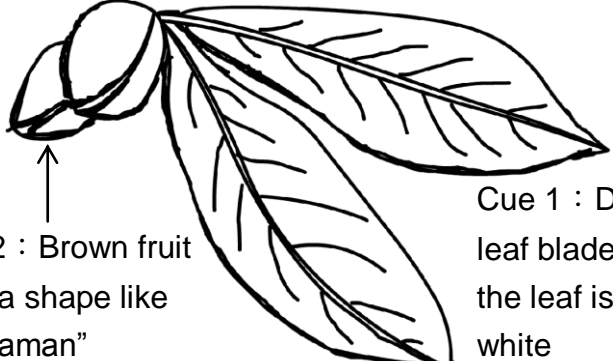
Checkpoint 4 Plant Adaptation

In the reserve there are many **wetland plants** and **terrestrial plants**. What are the differences between them? How wetland plants adapt to their living environment?

Your findings:

1. According to the cues from the picture, find these four types of falling leaves, and you may write down their important information in the space area. (Detectives please do not pick the leaves on the tree!)

<p>A</p>  <p>About 6 cm</p> <p>Cue1 : It has 3 distinctive leaf vein, looks like bird's claw</p> <p>Cue 2 : Touch the jointing point of the leaf vein. There is a swollen dot.</p>	<p>Terrestrial plant / Wetland plant</p> <p>* <i>Cinnamomum camphora</i> (Camphor Tree)</p>
<p>B</p>  <p>About 10 cm</p> <p>Cue1 : This greenly part is not leaf, it looks like a pen</p>	<p>Terrestrial plant / Wetland plant</p> <p>* <i>Kandelia Obovata</i></p>

<p>C</p>  <p>About 20 cm</p> <p>Cue 1 : Petiole is connected at the middle of the leaf blade. It looks like an elephant's ear.</p>	<p>Terrestrial plant / Wetland plant</p> <p>* <i>Macaranga tanarius</i> (Elephant's Ear)</p>
<p>D</p>  <p>About 20 cm</p> <p>Cue 2 : Brown fruit has a shape like "Ultraman"</p> <p>Cue 1 : Dark green leaf blade; Back of the leaf is greyish white</p>	<p>Terrestrial plant / Wetland plant</p> <p>* <i>Heritiera littoralis</i> (Looking-glass Tree)</p>

B. Different from terrestrial plants, wetland plants usually...

- ☒ have thicker leaf blades.
- ☐ have stingy scent.
- ☒ have a special shape for their reproductive structure.
- ☐ can only absorb freshwater.

Checkpoint 5 Wetland and me

Conclusion

Do you think Mai Po is suitable for LOLO to live in?

(Suitable / Not suitable)



Reason :

(There is no standard answer. Answers are acceptable if students make use of his/her observation during the visit, such as pointing out how conservation measures could protect wildlife in the reserve, or explain how wildlife becomes threatened when the conditions of wetlands deteriorate.)

Congratulations! You have completed the mission!