

Singapore Presentation

Group 8

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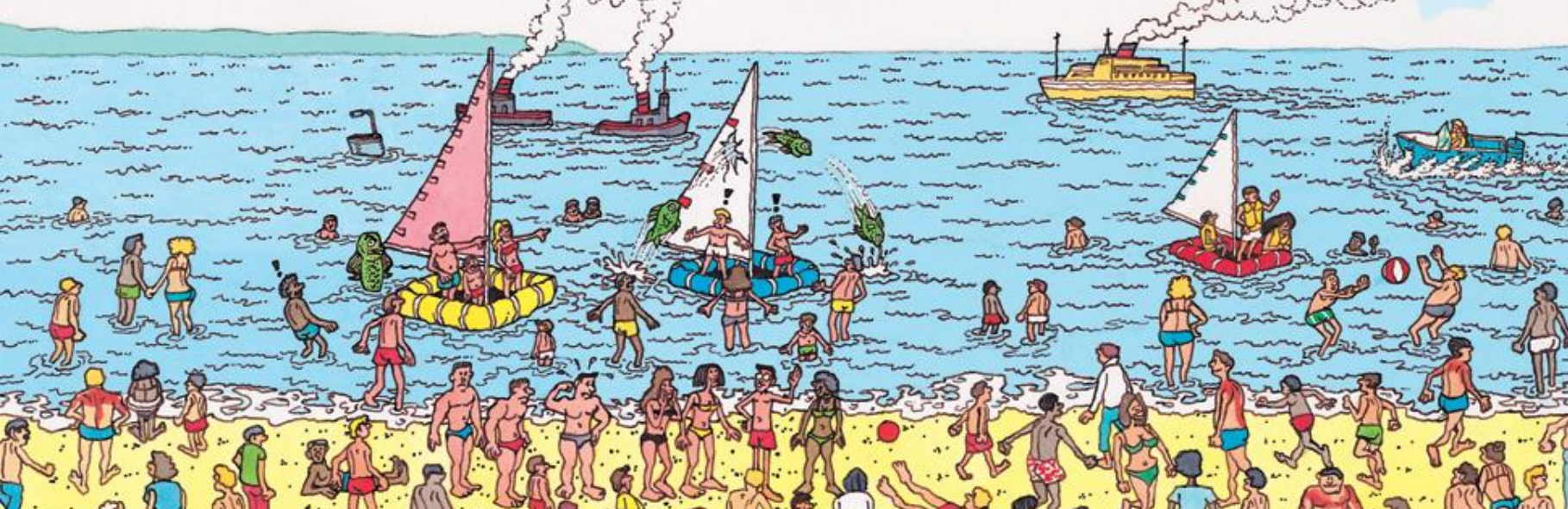
Sentosa Nature
Discovery

Imbiah Trails

Imbiah Nature Trail



**LET'S PLAY A
GAME**



Where's the INSECT?





Tail



Head



20
GIVE THAT MAN A

COOKIE

Stick insect *Phasmatodea* (竹節蟲目)

- Major food source: Bramble, Oak, Hazel



Stick insect *Phasmatodea* (竹節蟲目)

- natural camouflage
- secondary line of defence: startle displays or toxic secretions.
- capable of regenerating limbs



Oriental Magpie Robin *Copsychus saularis* (鵲鸚)

- Turdidae
 - Common resident bird in HK
- Commonly found in open area
- Common Caged bird in HK and Singapore 文武雀

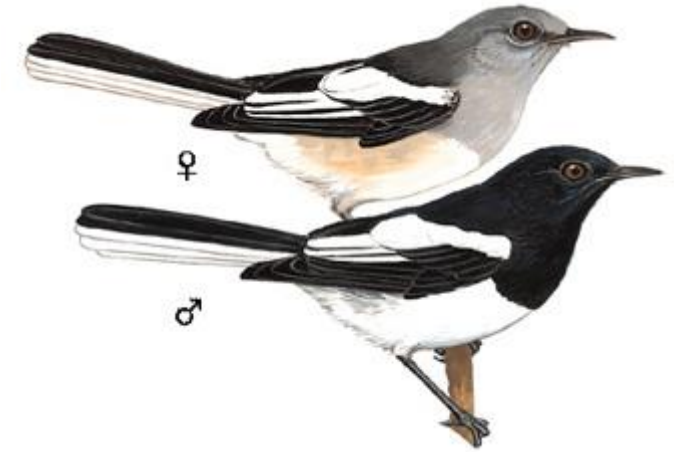
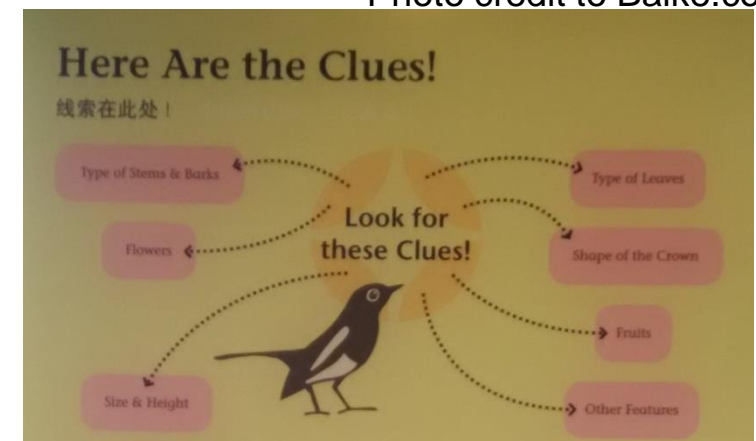


Photo credit to Baike.com



Photo credit to alfa2004



Oriental Magpie Robin *Copsychus saularis* (鵲鳩)

- 1960s nearly extinct
 - ∴ -poaching -urbanization -competition with mynas
- early 1980s population <50
- 1980s reintroduce to Sungei Buloh and Sentosa
- protected by law
- population remained low



Hong Kong vs Singapore

- Both protect wildlife animal by law
- Both are highly urbanized
- Both inhabited by Myna



家八哥 Common Myna



爪哇八哥 Javan Myna



八哥 Crested Myna

MacRitchie Nature Trail

A scenic view of a lake with a cloudy sky and a fence in the foreground. The text "MacRitchie Nature Trail" is overlaid in white. The lake is calm with some ripples. In the distance, there are trees and a small blue structure on the water. The foreground shows a metal railing and a green mesh fence.

Wild Monkey in Singapore (long-tail macaque)

- commonly found in reserve area
- unique population in Singapore
- play an important role in ecological system
- regard as pest



Macaque and human conflict

- residential area near macaque habitat
- macaque rob people's belonging



Flying Lemur (*Galeopterus variegatus*)

- One of the two flying lemur species
- Nocturnal
- Cling on tree trunk with camouflage
- Membrane connecting limbs
- Move upwards before gliding



photo credit to Tiffany from Group1

Tembusu (*Cyrtophyllum fragrans*)

- native to Singapore and Southeast Asia
- 10 are selected as “heritage trees” under “heritage tree scheme”
- grow up to 40m
- Flower: Creamy white and yellow
Sweet scent
Bloom twice a year
- Orange or red tiny fruit
- Durable wood with termite resistance



Ant tree (*Marcaranga bacana*)

- Twigs are hollow and have small openings for ants
- Ant queen inhabit young shoot
- The plant produces nutritious stipules for ant protection from climbers and herbivores
- Scale insect and butterfly feeds on the plant also produce food to bribe the ant
- Excellent bird tree (fruit attracts variety of birds)



Sal tree (*Shorea robusta*)

- Winged seeds for seed dispersal
- seed oil substitute cocoa oil
- Timber and incense(Buddist/Hindu)



16



- confused with cannonball tree

credits to ynflower

And Now...



In Dialogue with Pandian



In Dialogue With Pandian feat. Dr. David Lau



Doctor David, Why all vines climb in anti-clockwise direction?

Not all vines climb in anti-clockwise, Pandian.

But still, why most climbers climb in this fashion?

Some Mikania(minute-a-mile) mutants climbs clockwise.

WUU I Learned SOME-THING!!!

Some say it's due to the gravity of northern or southern hemisphere, or to get light faster, but it's not confirmed yet.



*NOT in exact wordings.

A night-time photograph of a wooden boardwalk in Telok Blangah Hill, Singapore. The boardwalk is illuminated by warm, yellow lights, creating a glowing path that recedes into the distance. On the left, there is a large, curved, illuminated structure with a textured surface. On the right, there are dark, leafy trees. The overall atmosphere is serene and modern.

Night Walk in Telok Blangah Hill

Oriental Whip Snake *Ahaetulla Prasina* (綠瘦蛇)

- nocturnal animal (夜行性動物)
- slightly venomous, not poisonous
- doesn't bite people
- Defensive posture: body curls + black spots to scare attackers



Some Other Species...



Cricket



Toad

- phototaxis insect attracted by light
- some expected animals are not found
 - eg owls

A lush green forest scene with a river and a waterfall, overlaid with the text "Special Topics". The image shows a dense forest with vibrant green foliage. A river flows through the center, and a waterfall is visible in the lower-left corner. The text "Special Topics" is written in a large, white, sans-serif font across the middle of the image.

Special Topics

Concretization of nature trail

Nature trail in Singapore

(New) Nature Trails in Hong Kong



Soil between stones	Concrete between stones
Less erosion	Heavy erosion
Utilize natural material nearby	Concrete with high construction cost
Rough and safe	Slippery and dangerous
	AFCD (漁農自然護理署) not involved

photo credit by Concern Group on
Concretization of Hong Kong Natural Trails

Credits

- My green Space
<https://mygreenspace.nparks.gov.sg/long-tailed-macaque/>
- Wang Luan Keng, Lee Kong Chian Natural History Museum
<http://lkcnhm.nus.edu.sg/dna/organisms/details/333>
- Royalty free photograh
<https://www.dreamstime.com/royalty-free-stock-photography-shorea-fruits-shorea-robusta-roxb-image27849977>
- Concern Group on Concretization of Hong Kong Natural Trails
<https://www.facebook.com/HongKongNaturalTrails/posts/1276072772422394>
- alfa2004
<http://photog.hk/archiver/?tid-5067.html>

Special thanks to Tiffany from Group1 for the HD photos

Thank You