

Singapore Botanic Garden



This was an AWESOME field trip. We have got an AWESOME experience! :)

- Group 3 –**
- 36. But Tsin Lam, Veronica
 - 37. Chan Yuk Yi, Yola
 - 38. Cheung Hoi Yan, Goretti
 - 39. Lee Hoi Ting, Ivy
 - 40. Ng Yan Yu, Renee

Basic Information

- Singapore's first UNESCO World Heritage Site
- Established by 1859
- Important rubber and orchid research centre



Role of Botanic Garden



Past:

- Foster agricultural development
- Head the research of rubber cultivation

Nowadays:

- Important resource centre for plant research and conservation in South East Asia





National Orchid Garden

National Orchid Garden

- Tan Hoon Siang Mist House
- Cool House
- VIP Orchid Garden



Tan Hoon Siang Mist House

National Orchid Garden

- Tan Hoon Siang Mist House
- Cool House
- VIP Orchid Garden



National Orchid Garden

- Tan Hoon Siang Mist House
- Cool House
- VIP Orchid Garden

- Misting
- Scented Orchids Corner



Cool House

National Orchid Garden

- Tan Hoon Siang Mist House
- Cool House
- VIP Orchid Garden



National Orchid Garden

- Tan Hoon Siang Mist House
- Cool House
- VIP Orchid Garden

- montane tropical forest
- cool air, torrent, mist



VIP Orchid Garden

National Orchid Garden

- Tan Hoon Siang Mist House
- Cool House
- VIP Orchid Garden



National Orchid Garden

- Tan Hoon Siang Mist House
- Cool House
- VIP Orchid Garden



Other Facilities

1) Educational Display

- Boards/ Signage
- Botany Centre

2) Heritage

- Holttum Hall
- Prisoner-of-War Brick Steps
- Bandstand

3) Attraction

Other Facilities

37

1) Educational Display

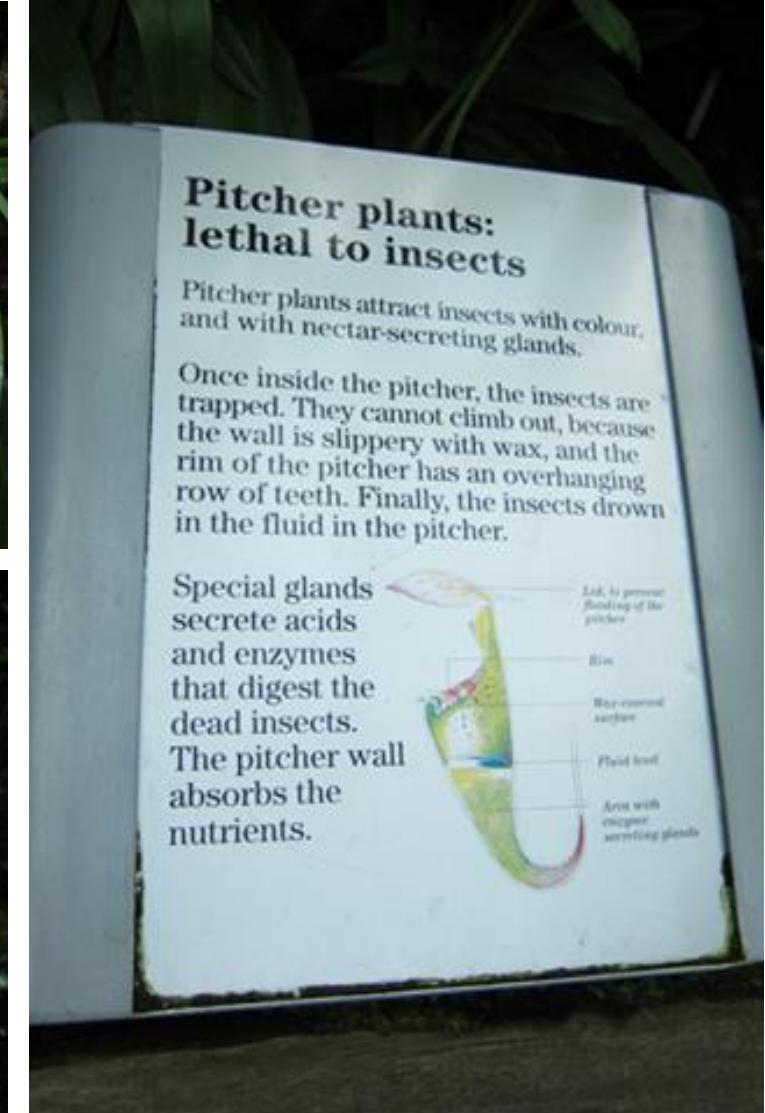
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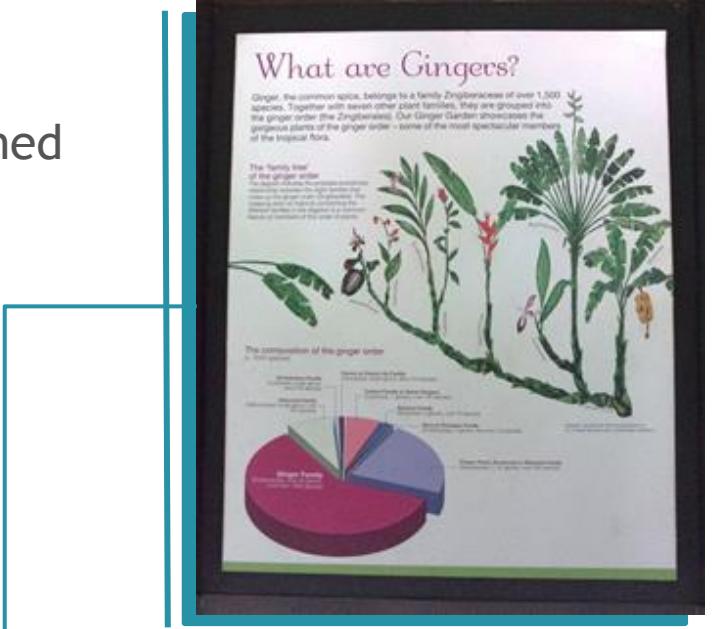
- Prisoner-of-War Brick Steps

- Bandstand

3) Attraction



- Well-planned



Other Facilities

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3) Attraction

Shaker Room



Culture Room



Library of Botany and Horticulture

>40,000 Rare books and journals displays...

Orchid Breeding & Conservation Biotechnology Laboratory

Other Facilities

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Adapted from: <http://www.littledayout.com/2013/12/03/singapore-botanic-gardens-sbg-heritage-museum-and-cdl-green-gallery/>

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Other Facilities

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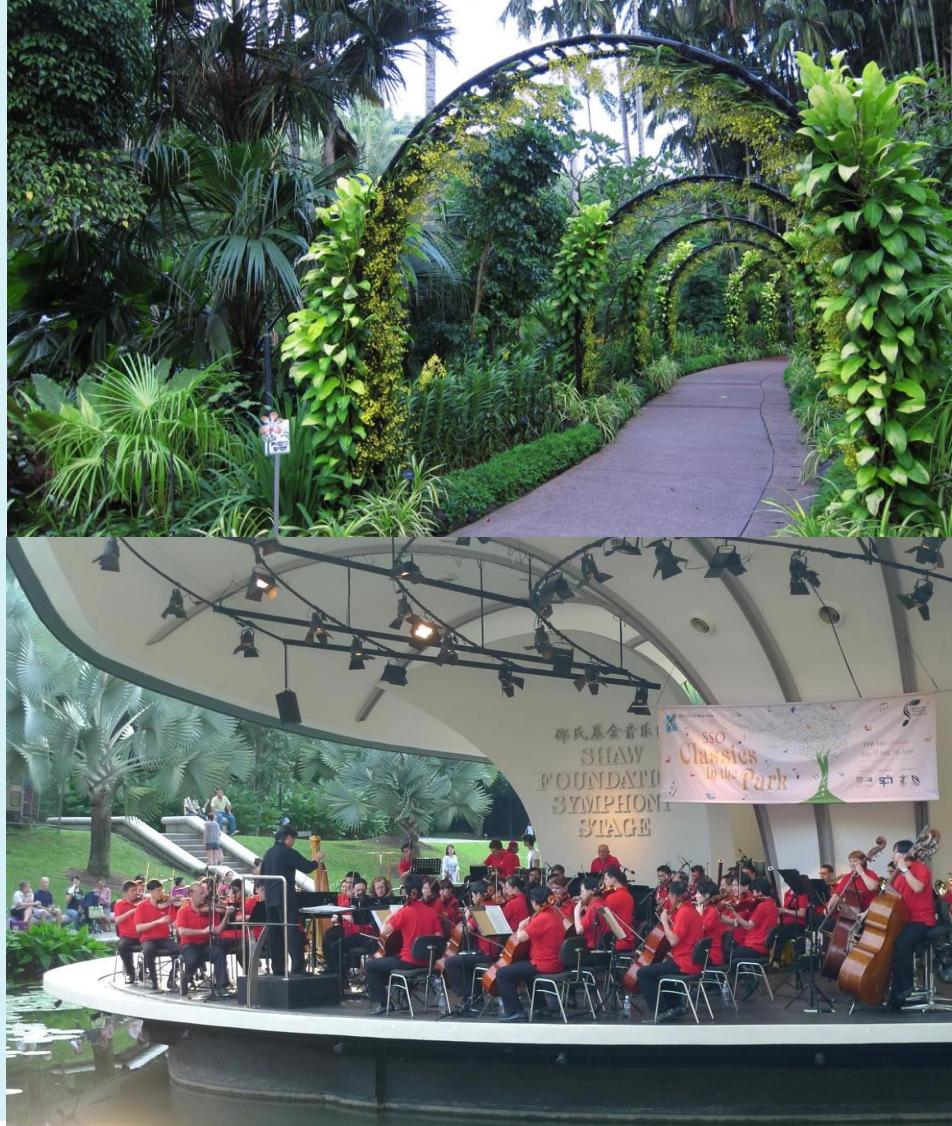
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2) Heritage

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3) Attraction

The Shaw Foundation
Symphony Stage



By Walter Lim -
<https://www.flickr.com/photos/coolinsights/4893367947/>, CC BY 2.0,
<https://commons.wikimedia.org/w/index.php?curid=44075910>

Golden Shower Arches



Other Facilities

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Brief Summary



How does Singapore Botanic Garden protect the biodiversity?

38

- 1) Regulation
- 2) Public Education
- 3) Scientific Research

Regulation

38

1) Regulation

2) Public Education

- Notice
- Activities
- Heritage Museum
- Library

3) Scientific Research

- Library
- Laboratory
- Herbarium

4) Comparsion: HKZBG

- limit the effect of human activities



NO MOTORISED VEHICLES



**NO CYCLING, SKATEBOARDING,
SKATING, OR SCOOTERING**



**NO FLYING OF KITES AND
NOPLAYING OF FRISBEES
OR BALL GAMES**



**NO PLUCKING
OF PLANTS**



**NO FEEDING
OF BIRDS**

Public Education

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4) Comparison: HKZBG

• Notice about species



Public Education

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Outdoor guided tour



Race Against Time - Science Behind a Botanic Garden Tour

Start Date	: Saturday, 25 June 2016
End Date	: Saturday, 25 June 2016
Time	: 10am - 10.45am
Venue	: Visitor Services Counter, Tanglin Gate
Contact	: 6471 7138

Garden tour



Workshop in creating miniature garden

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4) Comparison: HKZBG

Heritage Museum



Adapted from: <http://visitcitysingapore.com/singaporebotanicgardens/>

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Public Education

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Displayed Artefacts

Public Education

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Public Education

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1) Regulation

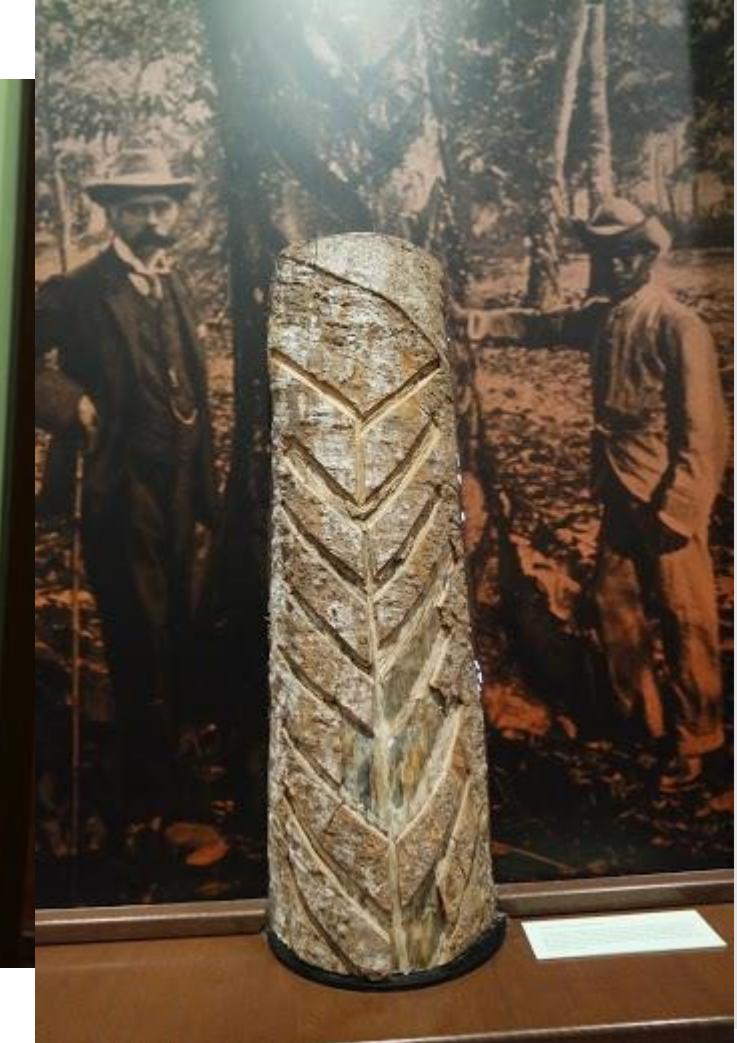
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Public Education

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Public Reference Library of Botany & Horticulture



Adapted from: <http://www.las.org.sg/wp/bulletin/category/events/>

https://www.google.com.hk/search?q=singapore+botanic+gardens+library&espv=2&biw=1366&bih=643&source=lnms&tbo=is&sa=X&ved=0ahUKEwiPI7my07rNAhUIExoKHUQ1C6wQ_AUIBygC&dpr=1#imgrc=EdqIM5UqkIGwQM%3A

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4) Comparsion: HKZBG

Staff Library of Botany & Horticulture

only for researchers in Botanic Garden

> 30,000 journals, books, international scientific journals, references & botanic reprints

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The Orchid Breeding and Conservation Biotechnology Laboratory

- orchid hybridization, seed germination & native orchid conservation
- producing novel orchid hybrids & endangered native orchid

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4) Comparsion: HKZBG

The Orchid Breeding and Conservation Biotechnology Laboratory



- Controlled temperature, humidity, lighting and CO₂ concentration
- Sterilized air

1) Regulation

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The Orchid Breeding and Conservation Biotechnology Laboratory



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Herbarium

- ~700,000 herbarium specimens, dating back as 1790
- from the Malesian region and adjacent areas



Old herbarium collections

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4) Comparison: HKZBG

Brief Comparison

Singapore Botanic Garden	Hong Kong Zoological and Botanic Garden
Research & Education	Education & Leisure Service
<ul style="list-style-type: none">✓ science research✓ library✓ interactive activities	<ul style="list-style-type: none">□ science research□ library□ interactive activities

Compare Singapore with Hong Kong --- Area

40

Singapore	Hong Kong
82 hectares	5.6 hectares
recreation and research	entertainment and education
Other advantage: mobile apps	Other advantage: Outdoor Learning Activities
Disadvantage: Self-discipline oriented	Disadvantage: Promotion



Singapore Botanic Gardens

VS

Hong Kong Zoological and Botanical Gardens

Number of species?

- ~900 in HKZBG
- Thousands in SBG
- Rain forest

Awesome
!

Comparison with Hong Kong --- Purpose / Role

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Singapore Botanic Gardens

VS

Hong Kong Zoological and Botanical Gardens

SBG:

- Herbarium
- Laboratories
- Library
- Publications

HKZBG:

- Ornamental plants
- Children's playground

Comparison with Hong Kong

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Singapore Botanic Gardens

VS

Hong Kong Zoological and Botanical Gardens

Mobile applications by SBG:

- SBG Navigator
- Heritage Museum App



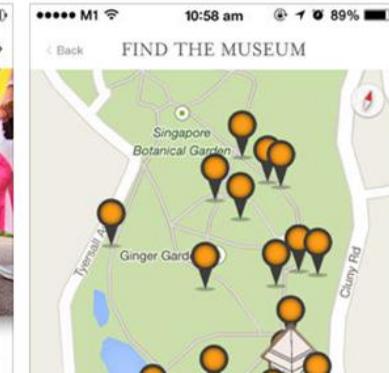
Singapore Botanic
Gardens Navigator
iAPPS PTE LTD

GET



Singapore Botanic
Gardens Heritage M...
Codigo Pte Ltd

GET



Comparison with Hong Kong

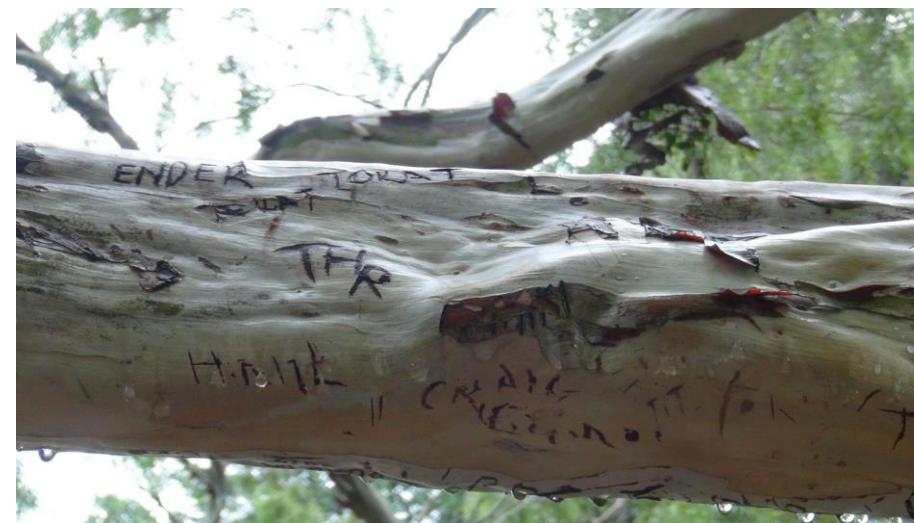
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Singapore Botanic Gardens

VS

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Damage made on the branch of a plant branch of a tree

Comparison with Hong Kong

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Singapore Botanic Gardens

VS

Hong Kong Zoological and Botanical Gardens

Outdoor learning activities → education for the junior

Lack of promotion and fewer planning on development
→ not a popular tourist destination

Less competitive??!

Reference

Websites

1) Singapore Botanic Gardens. Available at:

https://www.sbg.org.sg/index.php?option=com_content&view=featured&Itemid=361 [Accessed 23 Jun. 2016].

1) *Singapore Botanic Gardens (SBG) Heritage Museum and CDL Green Gallery* (2013). Little Day Out. Available at:

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<http://www.straitstimes.com/singapore/herbariums-team-looks-out-for-new-and-disappearing-species> [Accessed 23 Jun. 2016].
- 9) Hong Kong Zoological and Botanical Gardens, Leisure and Cultural Services Department. Available at:
<http://www.lcsd.gov.hk/en/parks/hkzbg/index.html> [Accessed 23 Jun. 2016].

A photograph of a group of six people standing in a lush tropical garden. They are positioned in front of a large cluster of vibrant purple orchids. The background is filled with dense green foliage and several tall palm trees. A large, stylized orange cursive text "Thank you" is overlaid on the upper right portion of the image.

Thank you

Thank You!
We feel awesome!