

Hong Kong Wetland Park School Education Programme

Park Experience I : Dragonfly Watch

(From May to September)



1. Target

S.1 to S.6 (participant number: 15-50)

2. Objectives



Knowledge

- Classification of Odonata and its body structure
- Differences between dragonflies and damselflies
- Habitats and life cycle of dragonflies and damselflies
- Species of dragonflies and damselflies commonly found at Hong Kong Wetland Park
- Techniques for watching dragonflies and damselflies as well as the preparations before fieldwork



Skills

- Differentiate dragonflies and damselflies
- Describe and explain how the habitats and weather affect the behaviours of dragonflies and damselflies
- Describe the importance of wetlands to dragonflies and damselflies
- Learn how to use binoculars and pictorial guide to identify and record dragonflies and damselflies



Attitudes

- Recognise that clean water is important to the survival of dragonflies and damselflies
- Conserve water resources in daily life

3. Rundown

Itinerary
Classroom Activity: Basic knowledge and life cycle of dragonflies
Stream Walk*
Life Zone*
Succession Walk*

* In case of inclement weather conditions, the outdoor fieldwork will be changed to indoor activities

4. Activity Content

Content	Focal Points
<p>Classroom Activity Duration: 50 minutes</p> <ul style="list-style-type: none"> • Introduction • Observe dragonfly and damselflies specimens and models 	<ul style="list-style-type: none"> • Basic knowledge and life cycle of dragonflies • How to differentiate dragonflies and damselflies • Relationships between wetlands and dragonflies • Species of dragonflies and damselflies commonly found at HKWP • How to conduct a dragonfly ecological survey
<p>Field Work Duration: 1 hour 10 minutes</p> <ul style="list-style-type: none"> • Be an 'ecological surveyor' and conduct dragonfly survey 	<ul style="list-style-type: none"> • Observe and identify dragonfly and damselfly species • Thermoregulatory behaviours of dragonflies • Territorial behaviours of dragonflies • How dragonflies and damselflies related to ecological balance • Habitat management in HKWP
<p>Conclusion Duration: 10 minutes</p> <ul style="list-style-type: none"> • 	<ul style="list-style-type: none"> • Describe the species and characteristics of dragonflies and damselflies observed • Discuss the content of worksheet • How we conserve wetlands in our daily lives



Variegated Flutterer



Pied Percher



Orange-Tailed Sprite

(Update on 2020.08)

5. Relevant Curriculum

Level	Science	Geography
Secondary 1-3	Unit 3: Looking at Living Things 3.2 Grouping of living things <ul style="list-style-type: none"> Grouping of living things and identification key 3.3 Biodiversity <ul style="list-style-type: none"> Importance of biodiversity Effects of human activities on biodiversity 	Section A: From Hong Kong to the World — Variations in space, people and places <ul style="list-style-type: none"> Using Urban Space Wisely - Can we maintain a sustainable urban environment?
Level	Biology / Combined Science (Biology)	Integrated Science
Secondary 4-6	II. Genetics and Evolution c. Biodiversity and evolution III. Organisms and Environment f. Ecosystems VI. Applied Ecology (For Biology only) a. Human impact on the environment b. Pollution control c. Conservation	C6: Balance in Nature 6.4 Disturbances and restoration
	Liberal Studies	Geography
	Module 6: Energy technology and the environment <ul style="list-style-type: none"> Theme 2: The environment and sustainable development 	Compulsory part: 2. Managing River and Coastal Environments 4. Building a Sustainable City