

# 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: 15-30)

### 2. Objectives



- 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



- 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



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

### 3. Rundown

Itinerary
Wetland Discovery Centre-Life Lab Classroom Activity: Learn about Dragonflies and Damselflies*
Life Zone*
Stream Walk*

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

## 4. Activity Content

Content	Focal Points
<p><b>Classroom Activity (Duration: 20 minutes)</b></p> <ul style="list-style-type: none"> <li>• Introduction</li> <li>• Observe dragonfly and damselflies models</li> </ul>	<ul style="list-style-type: none"> <li>• Basic knowledge and life cycle of dragonflies</li> <li>• How to differentiate dragonflies and damselflies</li> <li>• Relationships between wetlands and dragonflies</li> <li>• Species of dragonflies and damselflies commonly found at HKWP</li> <li>• How to conduct a dragonfly survey</li> </ul>
<p><b>Field Trip (Duration: 1 hour 30 minutes)</b></p> <ul style="list-style-type: none"> <li>• Experience the work of an ecological surveyor and conduct dragonflies survey</li> </ul>	<ul style="list-style-type: none"> <li>• Observe and identify dragonfly and damselfly species</li> <li>• Thermoregulatory behaviours of dragonflies</li> <li>• Territorial behaviours of dragonflies</li> <li>• How dragonflies and damselflies related to ecological balance</li> <li>• Habitat management in HKWP</li> </ul>
<p><b>Conclusion (Duration: 10 minutes)</b></p> <ul style="list-style-type: none"> <li>• Sharing and presentation</li> <li>• Discussion and conclusion</li> </ul>	<ul style="list-style-type: none"> <li>• Describe the species and characteristics of dragonflies and damselfies observed</li> <li>• Discuss the content of worksheet</li> <li>• How we conserve wetlands in our daily lives</li> </ul>



Variegated Flutterer



Pied Percher



Orange-Tailed Sprite

## 5. Relevant Curriculum<sup>#</sup>

Level	Science	Geography
<b>Secondary 1-3</b>	Unit 2 : Water 2.5 Water conservation and pollution  Unit 3: Looking at Living Things 3.1 Living Things 3.2 Grouping of Living Things 3.3 Biodiversity	Section A: From Hong Kong to the World — Variations in space, people and places <ul style="list-style-type: none"> <li>Using Urban Space Wisely</li> </ul>
Level	Biology	Combined Science (Biology)
<b>Secondary 4-6</b>	II. Genetics and evolution c. Biodiversity and evolution  III. Organisms and environment f. Ecosystems  VI. Applied ecology a. Human impact on the environment b. Pollution control c. Conservation	II. Genetics and evolution c. Biodiversity and evolution  III. Organisms and environment f. Ecosystems
	Citizenship and Social Development	Geography
	Module: Interconnectedness and interdependence of the contemporary world Theme: Sustainable development	Module 2: Managing river and coastal environments  Module 4: Building a sustainable city

<sup>#</sup> Above information is with reference to EDB General Studies Curriculum Guide for Secondary Schools (2017)