INTRODUCTION TO
FIELDWORK & E-LEARNING
IN GEOGRAPHY

JENNY YAU, CDI
Mobile learning & the development of fieldwork skills – (1) Ma Shi Chau Fieldwork (April-May 2018)
Mobile learning & external data collection sensors
Mobile learning & the development of fieldwork skills – (2) Farming fieldwork in Yuen Long (June 2018)
Basic training and experience sharing on using different field study instruments (May & July 2018)
Smoke Density Chart
(Ringelmann Chart)

Level 0 (Smoke Density: 0%)
Level 1 (Smoke Density: 20%)
Level 2 (Smoke Density: 50%)
Level 3 (Smoke Density: 69%)
Level 4 (Smoke Density: 80%)
Level 5 (Smoke Density: 100%)

1. Stand at least 30 meters but not more than 400 meters from the tested chimney.
2. Hold the chart at arm's length.
3. Look through the hole at the smoke as it emerges from the top of the chimney.
4. Compare the grey segments on the chart with the view through the hole.
Conducting fieldwork on climate change, ocean & coast at Hoi Ha Wan & WWF Hoi Ha Marine Life Centre (June 2018)
Use of website & mobile apps
Reflection...

- Traditional field study instruments VS e-field study instruments (or data presentation methods)
- Development of fieldwork skills at different stages of a fieldwork
- The importance of briefing & debriefing (on fieldwork skills)
- External support and resources
Fieldwork tasks at Hoi Ha Wan

1. In the fieldwork activity “Coral Watch”, what kind(s) of sampling method(s) is/are used in data collection? What is the sampling size?

2. What are the possible reasons of using sampling in data collection for this fieldwork task?

3. What are the advantages and disadvantages of the sampling method(s) being chosen in this fieldwork when compared with other methods?
Enquiry-based Fieldwork in Geography (Part 2):
The study of sustainable agriculture at Kadoorie Farm and Botanic Garden

Inquiry-based探究為本實地考察 (第二部分):
在嘉道理農場暨植物園進行可持續農業研究

Jointly published by Kadoorie Farm and Botanic Garden and
Personal, Social and Humanities Education Section, Education Bureau

This educational package is printed on recycled paper.
Suggested mobile apps for geography fieldwork:

(1) Vernier Caliper Simulator

(2) SizeUp

(3) Science Journal by Google
Experience sharing by teachers:

Experience sharing (1): Infusing the development of urban fieldwork skills in mobile learning

- Wan Chai fieldwork as an example and a related list of apps and field study instruments

Ms. YIP Wing-yee Cheng Chek Chee
Secondary School of SK & HHD

new 鄭植之中學
葉詠兒女士
| Experience sharing (2): Effective pre-trips and virtual field trips in geography with VR and AR technologies |

| Mr. WONG Chi-wai |
| Ju Ching Chu |
| Secondary School |
| (Yuen Long) |

経験分享(2): 利用虛擬實境及擴增實境科技作有效的地理考察前簡報及虛擬考察

裘錦秋中學(元朗)
黃志威先生
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<tr>
<th>Development of fieldwork skills with residential field study courses and related arrangements</th>
<th>Representatives of Caritas Chan Chun Ha Field Studies Centre and Ho Koon Nature Education cum Astronomical Centre</th>
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<td>明愛陳震夏郊野學園及轄色園主辦可觀自然教育中心暨天文館代表</td>
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<td>Fieldwork assessment in HKDSE Geography examination:</td>
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<td>• Structure of fieldwork-based question</td>
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<td>• Components of Geography Paper 1 starting from 2019 examination</td>
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香港考試及評核局經理－評核發展（地理）譚磊明先生