



Ho Koon Nature Education cum Astronomical Centre
(Sponsored by Sik Sik Yuen)

Liberal Studies

Student Handbook

Topic:
Sustainable Development
(Yuen Long)

Date : _____

Group : _____

Group Leader : _____

Group Member : _____

A. Objectives :

1. Investigate the development of a place with reference to current issues.
2. Use different investigation methods to collect data and analysis them.
3. Understand how to maintain balance among living quality, economic and social development, and conservation.
4. Understand the role of the individual on environmental protection.

B. Schedule :

Time	Activities
9:00-10:00	Introduction, select study topic and investigation method
10:00-10:45	Introduce study proposal to other groups
11:30-13:00	Field work
13:00-14:00	Lunch in Hung Shui Kiu
14:45-15:30	Data analysis
15:30-16:45	Presentation and Conclusion

C. Equipment list :

	Items	Quantity	Checked	Returned
1.	Telescope	X1	<input type="checkbox"/>	<input type="checkbox"/>
2.	Sound Meter	X1	<input type="checkbox"/>	<input type="checkbox"/>
3.	Compass	X5	<input type="checkbox"/>	<input type="checkbox"/>
4.	Common Plants in Hong Kong (Guide)	X1	<input type="checkbox"/>	<input type="checkbox"/>
5.	Butterflies, Damselflies and Dragonflies in Chuen Lung (Guide)	X1	<input type="checkbox"/>	<input type="checkbox"/>
6.	Insects and Spiders in Hong Kong (Book)	X1	<input type="checkbox"/>	<input type="checkbox"/>
7.	Clipboard	X1	<input type="checkbox"/>	<input type="checkbox"/>

D. Focus of the study :

As population continuous to grow in Hong Kong and developed areas reach the point of population saturation, the Government is planning to develop new towns in West New Territories region and Hung Shui Kiu is one of the potential new development areas. You can investigate in Hung Shui Kiu in groups (5 to 6 members in each group) after selecting study topic and devising an investigation plan. Report the results in class and write a report on this study.

Liberal Studies: Sustainable Development

1. Background

Chief Executive pointed out in 2007-2008 Policy Address that the Government prepared to revive planning and engineering studies on New Development Area (NDA) at Hung Shui Kui to ease pressure on developed areas and to meet the demand for land arising from population growth. The NDA will provide land for various uses such as housing, employment, and high value-added and non-polluting industries. Through comprehensive planning, the NDA will provide quality living space and convenience to both residents and users.

The reasons to increase the Hung Shui Kui NDA from 450 hectare into 790 hectare are :

- Located between Tuen Mun and Tin Shui Wai New Towns, there is opportunity for the HSK NDA to integrate with these new towns and achieve economies of scale in social and infrastructure planning.
- It is well served by highways and railways linking to the new towns in the West New Territories and the main urban areas. The proposed Northern Link, Tuen Mun Western Bypass and Tuen Mun-Chek Lap Kok Link will further enhance its connection with the North East New Territories, North Lantau, Hong Kong International Airport and proposed Hong Kong - Zhuhai - Macao Bridge Hong Kong Boundary Crossing Facilities.
- Its proximity to the Kong Sham Western Highway, coupled with the well developed and planned transport network, will enhance the opportunity for it to develop as a 'gateway town' and to achieve synergy with existing and planned developments in Shenzhen.

Hung Shui Kui is a place with long history and first settlement can date back to the 14th century, when members of the Tang clan arrived and formed the first village. The development area covers several traditional villages including San Wai, Sik Kong Wai, Ha Tsuen Shi and San Uk Tsuen.

2. Concept map

Draw a concept map, mind map or other diagrams to connect and organize all the concepts related to the study.



3. Proposal



Topic : _____

Related concepts : Sustainable development, Economic growth, Revitalization, Conservation _____

Aims : _____

Focusing Questions : _____

Research methods : _____

Teacher comments

Topic : _____

Focusing Questions : _____

Research methods : _____

4. Hints on proposal and report writing

1. Study topic

- List out all the areas of interest after brainstorming and screen out feasible study topic within the list.
- Topic should meet at least two of the following conditions
 - Interesting
 - Valuable to solve
 - Able to solved
 - Have ways to solve
 - With information to solve
 - Possible to solve
 - With enough time to solve
 - There is a room to express your personal opinions and can solve the problem in creative way



(Reference: Teaching Resources, The Hong Kong Institute of Education)

2. Introduction

Included background, related concepts and knowledge of study topic

Try to answer the following questions:

- What information or knowledge do you know about the study topic?
- What interested you in that particular topic?
- What concepts or knowledge involved in this topic?

3. Aim

Two to three aims are enough. Try to answer the following questions:

- What do you expect to find through this study?
- What other investigations do you need to do?

4. Questions

Identify two to three important questions (depends on the study time you spend) of the study to make the study more focus.

- What do you want to know? (Raise the questions that you are interested in)
- Use 5W+1H, i.e. Who, What, When, Where, Why, How to help organizing problems and think systematically.
- Ask investigatory questions (i.e. How or Why questions).
- Draw a mind map on your study topic. Identify the interesting parts and rewrite them into investigatory questions.

5. Methods

Please think carefully on the following questions about the method(s) you employ:

- Dangerous or not? (If yes, do not use it!)
- Related to investigatory questions or not?
- With enough time and resources or not?
- Feasible or not?
- Do the information you want to get open to public or can be obtained easily?
- Do the respondents really want to be interviewed? Please answer the following questions before conducting interview:
 1. Who will be the respondent?
 2. What are the questions? (Three to four questions are good enough)

6. Result analysis

- Organise all the information you collected and identify useful information
- Use text and table to present your data
- Use reference information to help explaining data

7. Conclusion

- Support your arguments with data and make conclusion.
- Answer all questions you raise in the study

8. Self-reflect or suggestions

- Express you personal opinions on study result
- Raise out the shortcomings of the study
- Suggest improvements

9. Appendix

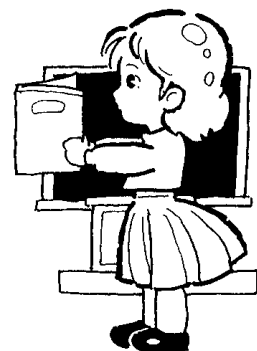
Included:

- Information record table
- Interview record table
- Questionnaire sample
- Other information record table

10. Reference

Report should include all the following reference information:

- Books
- Journals
- Websites
- Magazines
- Other reference information you used



5. Memo to students

Pre-field trip preparation

Please prepare the following before field trip:

1. Please divide in groups with five members each. Eight groups at most.
2. Please read all the information provided by our centre before field trip. (Please see “Data collection” section in detail)
3. Please collect information you need beforehand and have brief understanding about the aim of the field trip.
4. Please complete concept map and proposal section in the student handbook before the field trip.
5. All the teachers and students should prepare with the following guideline.

Personal preparation and equipments:

1. Sufficient rest and sleep (8-hour sleep is suggested)
2. Have breakfast before field trip
3. Wear sport or proper clothing (Suggestions: long or short shirt, trousers and wind-breaker when necessarily)
4. Wear sport shoes
5. Bring along sufficient drinking water
6. Bring umbrella, mosquito repellent and sunscreen lotions when necessary

During the field trip

1. Safety is the most important consideration to all members.
2. Beware of the weather change. In case of the weather condition worsening, teachers may cancel the field trip.
3. All participants should work in groups. No participant should work alone.
4. Participants should work in location where your teacher assigned, take note of the time of assembly and complete the study on time.
5. Be considerate of others during the field trip in terms of noise.
6. Respect other person’s privacy when taking photos for your own record during field trip.
7. Please report to your teacher as soon as possible if you feel unwell or in case of emergency.

Data collection

A. Related websites

規劃署 □洪水橋新發展區規劃及工程研究

http://www.pland.gov.hk/pland_en/p_study/prog_s/hsk_nda/index_b5.html

土木工程拓展署 – 洪水橋新發展區工程項目簡介(修訂)

<http://www.epd.gov.hk/eia/chi/register/profile/latest/cesb221/cesb221.pdf>

規劃署和土木工程拓展署 – 第一階段社區參與已收取的書面建議

http://www.pland.gov.hk/pland_en/p_study/prog_s/hsk_nda/files/july2011/Written_Comments.pdf

可持續發展

<http://www.susdev.gov.hk/>

施政報告 2007-2008

<http://www.policyaddress.gov.hk/07-08/chi/p20c.html>

B. Related newspaper articles

- 鄧氏宗祠 – 友恭堂香港法定古蹟
http://www.heritage.gov.hk/tc/buildings/monuments_83.htm
- 元朗遊記
<http://www.go2yl.com/history.asp?id=k17&lang=tra>
- 洪水橋灼園擬列歷史建築 (東方日報 2011-7-18)
http://orientaldaily.on.cc/cnt/news/20110718/00176_011.html
- 港深機鐵研洪水橋駁前海 (星島 2009 年 7 月 13 日)
<http://hk.news.yahoo.com/article/090712/3/d5p2.html>
- 接駁西鐵洪水橋站/ 港深機鐵擬增設支線(大公報 2009 年 3 月 13 日)
<http://source.takungpao.com/news/09/03/13/GW-1048212.htm>
- 洪水橋規劃涉古村濕地 (明報 2008 年 5 月 4 日)
<http://hk.news.yahoo.com/article/080503/4/4414.html>
- 環保城得個講字 規劃慢晒「八萬五」翻版 (太陽報 2007 年 4 月 17 日)
http://the-sun.on.cc/channels/news/20070417/20070417031958_0000.html

6. Sample record form

Please construct your own table according to your need.

A. Table of Observation Record

Focus of observation	Observation
Features of the environment or place	
Atmosphere of the environment or place	
Characteristics of citizen	
Behavior of citizen	
Impact of interaction on human, environment and place	
Special events or features, number of occurrence	
Personal impression	

B. Table of Investigation Record

Study topic:	
Date and Time:	Place:
Investigation objects:	Number of persons involved:
Aim:	
Method and Content: (Questionnaires, Street interview, On-the-spot record)	
Summary of the result:	
Self-reflect after investigation: (Goal achieved? Smooth or not? What do you know through this investigation? What else need to follow?)	

C. Table of Interview Record

Study topic:	
Date and Time	Place
Investigation objects:	Number of persons involved:
Aim:	
Focus of the interview:	
Summary of the interview:	
Self-reflect after investigation: (Goal achieved? Smooth or not? What do you know through this interview? What else do you need to follow?)	

(Reference: 張人紅(2002)《研究性學習管理用書》，南寧：廣西人民出版社)