Disappearing Green Canopy

Stage A Planning and Preparation

A1: Define Your Topic & Title

I. Field Site: Chuen Lung

II. Relevant Terms and Concepts:

1. Structure of ecosystem
2. Function of ecosystem
3. Fragile ecosystem
4. Ecological equilibrium
5. Deforestation
6. Location and distribution
7. Abiotic components
8. Biotic components
9. Energy flow
10. Nutrient cycling
11. Spatial association
12. Human interference
13. Scale of development
14. People-environment interrelationship
15. Environmental conservation
16. Environmental management
17. Conflict of interest
18. Sustainable development
19. Micro-climate
20. Biosphere
21. Lithosphere
22. Development and conservation

III. Interested Concepts:

IV. Concept Map of the study:

V. Possible Titles:

1. A study of the impact of _____ in the study area.
2. What factors influence variation of _____ patterns found in the study area.
3. A study of _____ variations within the study area compared to the surrounding open area.
4. How do barriers such as trees, shrubs and etc. at the study area influence _____, and what are the outcomes of this effect?
5. There is a direct relationship between _____ and _____ in the study area.
6. An investigation into the _____ and _____ of the study woodland, including the effects of human activity.
7. What factors influence the rates of _____ in the study area.

(a) Topic: Disappearing Green Canopy

(b) Title: _____

(c) Explanation of the Study:
(Scope of the study / Objectives / Geographical Questions / Problems / Phenomena / Focusing Questions / Hypothesis)

(d) Related geographical concepts and perspectives (with references):

A2: Devise Your Investigation Plan

VI. Possible Equipment

1. Abney level
2. Anemometer
3. Digital thermohygrometer
4. Light meter
5. Magnifying glass
6. pH paper
7. Trowel
8. Quadrat
9. Measuring tape
10. Field Study Handbook
11. Plastic bag
12. Plastic bottle

VII. Possible Sampling Methods

1. Transect - choose a straight reach of certain distance as a transect for investigation.
2. Simple Sampling - collect data items at a certain distance interval. For example, measure the depth across the river at every 10cm interval.
3. Random Sampling - For example, collect random pebbles which fall beneath the toe of your wader each time you take a step for meausement.
4. Systematic Sampling - For example, measure the rive flow speed at regular depth or width of the river.

(e) Data Collection Plan:
(Methods / Techniques / Tools / Resources, Preparatory procedures, schedule)

1. Data Items:

2. Equipment List:

3. Sampling Method:

4. Frequency of Number of Collection:

5. Procedures:

Stage B Data Collection

(f) Data Recording Sheet:

Stage C Data Processing, Presentation and Analysis

VIII. Possible Statistical Analysis

1. General Statistics - Mean, Mode and Median
2. Correlation - Scatter Diagram

IX. Proposed Graphical or Map Presentation

1. Line Graph
2. Scatter Diagram
3. Bar Graph
4. Choropleth Map

(g) Data Processing, Prsentation and Analysis:

Stage D Interpretation and Conclusion:

Stage E Evaluation

~End~