Building a Sustainable City

Stage A Planning and Preparation

A1: Define Your Topic & Title

I. Field Site: Kam Tin

II. Relevant Terms and Concepts:

1. Urban problems
2. Housing problems
3. Air pollution
4. Noise pollution
5. Water pollution
6. Land pollution
7. Transportation problem
8. Change over time
9. Urban growth
10. Urbanisation
11. Urban redevelopment and renewal
12. Conflict
13. Sustainable development
14. Environmental conditions
15. People-environment interrelationship
16. Internal structure
17. Urban decay
18. Land use zoning
19. Urban planning
20. Sustainable indicators
21. Living standard
22. Development of new towns
23. Environmental conservation measures
24. Rural-urban migration
25. Urban sprawl and encroachment
26. Suburbanisation
27. Competition and succession

III. Interested Concepts:

IV. Concept Map of the study:

V. Possible Titles:

1. An investigation into the _____ problem in Kam Tin.
2. A study of the distribution of _____ and _____ within Kam Tin.
3. An investigation to establish the relationship between _____ and _____ within Kam Tin.
4. What factors have influenced _____ in various parts of Kam Tin.
5. An investigation into the conflicts arising from solving _____ in Kam Tin.
6. A survey of the changing distribution and impacts of _____ over time in Kam Tin.
7. An explanation of the location and distribution of particular function, _____, in Kam Tin.
8. An enquiry into the recent changes at the _____ of Kam Tin.
9. There is a significant pattern in the _____ in Kam Tin.
10. An investigation to account for the land use changes along a transect through Kam Tin.

(a) Topic: Building a Sustainable City

(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. Sound meter
2. Compass
3. Carbon Dioxide meter
4. Air ions meter
5. Dust particulates meter
6. Anemometer
7. Light meter
8. Thermometer
9. Hydrometer
10. Barometer

VII. Possible Sampling Methods

1. Simple Sampling - Collect data at regular distance.
2. Random Sampling - Collect data at random distance.

(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 - Spearman's rank correlation
3. Spatial Distribution - Central tendency, Nearest Neighbour analysis, etc.

IX. Proposed Graphical or Map Presentation

1. Line Graph
2. Bar Chart
3. Pie Chart
4. Scatter Diagram
5. Flow Lines Map
6. Choropleth Map
7. Proportional Symbols Map

(g) Data Processing, Prsentation and Analysis:

Stage D Interpretation and Conclusion:

Stage E Evaluation

~End~