



Sustainable Urban Development

Version 3.1

Objectives

1. To examine the general land use pattern in Tsuen Wan town.
2. To observe the urban decay and urban renewal in Tsuen Wan town.
3. To analyse the current situation of sustainable development in Tsuen Wan town.

Equipment List

	Items	Qty.	Checked	Returned
1.	Base map (Individual)	x 1	<input type="checkbox"/>	<input type="checkbox"/>
2.	Clipboard (Individual)	x 1	<input type="checkbox"/>	<input type="checkbox"/>
3.	Colour pencil	x 1	<input type="checkbox"/>	<input type="checkbox"/>
4.	Compass	x 4	<input type="checkbox"/>	<input type="checkbox"/>
5.	Sound Meter	x 1	<input type="checkbox"/>	<input type="checkbox"/>
6.	Counter	x 2	<input type="checkbox"/>	<input type="checkbox"/>

Field Work

1. Refer to the Map 2.4.
2. Flip the provided transparency, Map 2.3, on Map 2.4. Tsuen Wan town will then be separated into 33 zones.
3. Take a walk according to the route shown on Map 2.4.
4. During the walk, observe and examine the land uses of the labelled 33 zones according to the following classification.
a) Commercial b) Industrial c) Low income residential d) Middle income residential
e) High income residential f) Institutional g) Construction h) Others
5. For each zone, select one typical building. Observe and evaluate its outlook and surrounding area according to the following items.
a) Building materials b) Design c) Height
d) Infrastructure e) Recreation facilities
6. Record your marks in Table 2.1.
7. Also, measure the noise level and count the number of pedestrian passing by at each check points (A-L) shown on Map 2.4.
8. Students are requested to record the highest noise level within 1 minute duration.
9. Count the number of pedestrian passing by from all directions within 1 minute duration.
10. Record the data in Table 2.4.

Data Sheet

Group: _____ Date: _____ Time: _____

Table 2.1 - Land Uses in Tsuen Wan

Area	Land Use	Building Appearance and Surroundings*				
		a)	b)	c)	d)	e)
1.						
2.						
3.						
4.						
5.						
6.						
7.						
8.						
9.						
10.						
11.						
12.						
13.						
14.						
15.						
16.						
17.						
18.						
19.						
20.						

*Markings for building appearance and surrounding area:

- a) Building materials b) Design c) Height d) Infrastructure e) Recreation facilities

Table 2.1 - Land Uses in Tsuen Wan (cont'd)

Area	Land Use	Building Appearance and Surroundings*				
		a)	b)	c)	d)	e)
21.						
22.						
23.						
24.						
25.						
26.						
27.						
28.						
29.						
30.						
31.						
32.						
33.						

*Markings for building appearance and surrounding area:

a) Building materials b) Design c) Height d) Infrastructure e) Recreation facilities

Table 2.2 - Environmental Quality in Tsuen Wan

Check Point	A	B	C	D	E	F	G	H	I	J	K	L
Noise Level												
Pedestrian Flow												

Data Processing

1. Assign different colours to each land use. Fill the zones with the corresponding colours on Map 2.2.
2. By drawing circles in different radius, show the noise level of each check point recorded in Tsuen Wan.

Discussion

1. Describe the pull factors for developers and citizens developing and living in Tsuen Wan?

2. Describe the push factors that bother developers and citizens to develop and live in Tsuen Wan?

3. What is your opinion on environmental quality in Tsuen Wan? Please give examples.

4. Suggest remedial measures in order to solve the above-mentioned environmental problems in Tsuen Wan.

5. In your opinion, which zones in Tsuen Wan should be implemented redevelopment projects? Why?

6. What are the possible problems encountered in the redevelopment projects in the above-mentioned zones?

7. To what extent the urban development of Tsuen Wan associated with the concept of sustainable development? Please explain.

8. In the perspective of urban planning, do you think how Tsuen Wan town can help Hong Kong to develop into a sustainable city?

