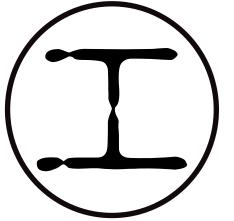
Ho Koon Nature Education cum Astronomical Centre (Sponsored by Sik Sik Yuen)

Hong Kong Diploma of Secondary Education Examination Geography Field Studies Course



Industrial Locations

Version 1.1

ESA 2.0

A. Planning and Preparation Module

Changing Industrial Location

Enquiry Question

Enquiry Question 1 :	What are the locational advantages for local industries to set up factories in
	Tung Tau Industrial Area?
Enquiry Question 2 :	What are the locational advantages for local industries to set up factories in
	Yuen Long INNOPARK.
Hypothesis 3:	The amount of dust particulates in Tung Tau Industrial Area is higher than
	that in Yuen Long INNOPARK.
Hypothesis 4 :	The noise level in Tung Tau Industrial Area is higher than that in Yuen Long
	INNOPARK.

Key Concepts

Manufacturing	Light	Heavy	Labour-intensive	Capital-intensive
industry	industry	industry	industry	industry
High-tech	Market-oriented	Front shop,	Industrial	Agglomeration
industry	industry	back factory	Inertia	economies

Scope of the Study

1. Tung Tau Industrial Area	(Site 1)
2. Yuen Long INNOPARK	(Site 2)

Field Work Plan

1. Refer to base maps, Map 6.1, 6.2 and 6.3.

2. According to the maps, take a walk according to the assigned route.

3. Observe the characteristics of the industrial areas and record the types, information and characteristics of industries in Table 6.1, 6.4 and 6.5.

4. In site 1 and 2, measure the amount of dust particulates and the noise level at each check point of the routes, record the data in Table 6.2 and Table 6.3.

Think About

List the safety risks when conducting fieldwork in industrial areas.

B. Data Collection

Complete the following table.

Primary Data	To Examine Hypothesis/ Enquiry Question				Data C	Equipment Required		
Items	1	2	3	4	Observation	Counting	Measuring	(Number on the Equipment Checklist)
1. Types of Industries								
2. Characteristics of Industries								
3. Dust Particulates								
4. Noise Level								

Equipment Checklist

Items	Quantity	Checked	Returned
1. Base map (individual)	x 3		
2. Clipboard (individual)	x 1		
3. Compass (individual)	x 1		
4. Dust particulates meter	x 1		
5. Sound meter	x 1		

Think About

Name the sampling methods adopted in fieldwork, and list their advantages.

Think About

List the possible errors when collecting data.

Data Recording sheet

	Name of Industrial Building:
1.	11.
2.	12.
3.	13.
4.	14.
5.	15.
6.	16.
7.	17.
8.	18.
9.	19.
10.	20.

Table 6.1: Types of industries in Tung Tau Industrial Area

Table 6.2: Relevant Data in Tung Tau Industrial Area

Site	1	2	3	4	5
Dust Particulates (µg/m³)					
Noise Level(dB)					

Table 6.3: Relevant Data in Yuen Long INNOPARK

Site	1	2	3	4	5
Dust Particulates (µg/m³)					
Noise Level(dB)					

Table 6.4: Comparison of Environmental Characteristics in Industrial Areas

		Tung Tau Industrial Area					Yu	en Lo	ong INN	NOPA	RK
		Slight				Serious	Slight				Serious
1.	Water Pollution	1	2	3	4	5	1	2	3	4	5
0	Loud Delletion	Slight				Serious	Slight				Serious
2.	Land Pollution	1	2	3	4	5	1	2	3	4	5
0	Newsker of Okimum	Less				More	Less				More
3.	Number of Chimney	1	2	3	4	5	1	2	3	4	5
	Omelia Emission	Less				More	Less				More
4.	Smoke Emission	1	2	3	4	5	1	2	3	4	5
F	Linnlessent Oder	Slight				Serious	Slight				Serious
5.	Unpleasant Odor	1	2	3	4	5	1	2	3	4	5
6	Illegel Derking	Slight				Serious	Slight				Serious
6.	Illegal Parking	1	2	3	4	5	1	2	3	4	5
7	Buoy Troffio	Slight				Serious	Slight				Serious
7.	Busy Traffic	1	2	3	4	5	1	2	3	4	5

		Tung Tau Indus	strial Area	Yuen Long INN	IOPARK					
1.	Distance from CBD	Nearer / Farther		Nearer / Farther						
2.	Distance from Town Centre	Nearer / Farther		Nearer / Farther						
3.	Regional Planning	Better / Worse		Better / Worse						
4.	Transport Facilities	Better / Worse		Better / Worse						
5.	Road Design	Better / Worse		Better / Worse						
6.	Site Area	Bigger / Smaller		Bigger / Smaller						
7.	Industrial Building Area	Bigger / Smaller		Bigger / Smaller						
8.	Industrial Building Height	Higher / Lower		Higher / Lower						
9.	Industrial Scale	Bigger / Smaller		Bigger / Smaller						
10.	Capital Requirement	More / Less		More / Less						
11.	Source of Capital	Local / Non Local		Local / Non Local						
12.	Technology Requirement	Higher / Lower		Higher / Lower						
13.	Others									

Table 6.5: Comparison of Characteristics in Industrial Areas

C. Data Processing, Presentation and Analysis

Draw the most appropriate diagrams with graph papers, to show the data of Hypothesis 3 and 4.

Hypothesis 3: _____

Hypothesis 4: _____

Think About

List the merits and demerits of the chosen diagrams.

D. Interpretation and Conclusion

1. Use the collected information to respond Enquiry Question 1 : "What are the locational advantages for local industries to set up factories in Tung Tau Industrial Area?"

2. Use the collected information to respond Enquiry Question 2 : "What are the locational advantages for local industries to set up factories in Yuen Long INNOPARK?"

3. Does the fieldwork result support the Hypothesis 3: "*The amount of dust particulates in Tung Tau Industrial Area is higher than that in Yuen Long INNOPARK.*" Support your conclusion with the collected data. (Extended question: What is/are the source(s) of dust particulates in the field site?)

4. Does the fieldwork result support the Hypothesis 4: "The noise level in Tung Tau Industrial Area is higher than that in Yuen Long INNOPARK." Support your conclusion with the collected data. (Extended question: What is/are the source(s) of noise in the field site?)

E. Evaluation

1. Base on this fieldwork, suggest how to increase the reliability and validity of the data collection.

2. Suggest a fieldwork in Hong Kong with a theme of industrial study, state clearly the hypothesis and data collection arrangement of the fieldwork.

