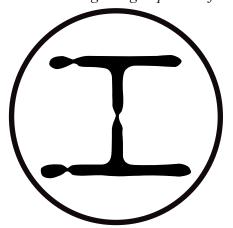


Hong Kong Diploma of Secondary Education Examination Geography Field Studies Course



Industrial Locations

Version 1.2

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

Table 6.1: Types of industries in Tung Tau Industrial Area

	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 6.2: 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

		Tun	Tung Tau Industrial Area			Yuen Long INNOPARK				RK	
		Slight				Serious	Slight				Serious
1.	Water Pollution	1	2	3	4	5	1	2	3	4	5
	1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1	Slight				Serious	Slight				Serious
2.	Land Pollution	1	2	3	4	5	1	2	3	4	5
	Number of Chimney	Less				More	Less				More
3.		1	2	3	4	5	1	2	3	4	5
_	On the Factories	Less				More	Less				More
4.	Smoke Emission	1	2	3	4	5	1	2	3	4	5
_	Hamleseant Oden	Slight				Serious	Slight				Serious
5.	Unpleasant Odor	1	2	3	4	5	1	2	3	4	5
	III a sa a L D a sil da sa	Slight				Serious	Slight				Serious
6.	Illegal Parking	1	2	3	4	5	1	2	3	4	5
7	Duoy Troffic	Slight				Serious	Slight				Serious
7.	Busy Traffic	1	2	3	4	5	1	2	3	4	5

Table 6.5: Comparison of Characteristics in Industrial Areas

		Tung Tau Industrial 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				

C. Data Processing, Presentation and Analysis

o. Data i rocessing, i resentation 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?)
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E. Evaluation

1.	Evaluate the data collection methods used in this fieldwork and suggest ways for further improvement.
2.	Suggest other primary data to be collected to enrich this fieldwork. Describe and explain how the data would be collected.

Further Reading for National Geography



Industrial development in the Greater Bay Area



Economic overview of China (Chinese version only)