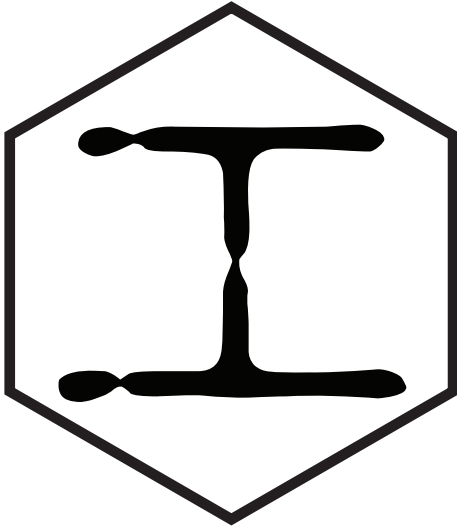




# Industrial Locations

Enquiry Skills Approach, Version 2.0



## A. Planning and Preparation

### Objectives

1. To understand the different locational advantages of industrial areas.
2. To investigate the different characteristics of industries.

### Scope of the Study

1. Tung Tau Industrial Area
2. Yuen Long Industrial Estate

### Field Work Plan

1. Refer to base maps, Map 6.1 and Map 6.2.
2. According to the maps, take a walk according to the assigned route.
3. During the walk, observe the characteristics of the surroundings and mark down the types of industries found in Table 6.3.
4. Check the noise level, air quality, wind direction and wind speed at each check point of the routes and mark them down in Table 6.4 and Table 6.5.
5. Record the major type of vehicle and the number of vehicles passing by from all directions for 1 minute, and mark down in Table 6.4 and Table 6.5.

### Think About

List the safety risks when conducting the fieldwork in industrial areas.

## B. Data Collection

### Data Items

1. Types of Industries
2. Characteristics of industries
3. Noise Level
4. Wind direction
5. Wind speed
6. Dust Particulate Level
7. Types and number of vehicles

### Data Collection Method

1. Systematic Sampling

### Equipment List

Items	Quantity	Checked	Returned
1. Base map (Individual)	x2	<input type="checkbox"/>	<input type="checkbox"/>
2. Clipboard (Individual)	x1	<input type="checkbox"/>	<input type="checkbox"/>
3. Compass (Individual)	x1	<input type="checkbox"/>	<input type="checkbox"/>
4. Colour pencils	x1	<input type="checkbox"/>	<input type="checkbox"/>
5. Sound meter	x1	<input type="checkbox"/>	<input type="checkbox"/>
6. Anemometer	x1	<input type="checkbox"/>	<input type="checkbox"/>
7. Dust particulates meter	x1	<input type="checkbox"/>	<input type="checkbox"/>

### Think About

List the possible errors when collecting data.

## Data Recording sheet

Table 6.3 - Types of Industries

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 6.4 - Other Related Data in Tung Tau Industrial Area**

Site	1	2	3	4	5
Noise Level (dB)					
Dust Particulates ( $\mu\text{g}/\text{m}^3$ )					
Wind Direction					
Wind Speed (m/s)					
Number of vehicles					
Major type of vehicles					

**Table 6.5 - Other Related Data in Yuen Long Industrial Estate**

Site	1	2	3	4	5
Noise Level (dB)					
Dust Particulates ( $\mu\text{g}/\text{m}^3$ )					
Wind Direction					
Wind Speed (m/s)					
Number of vehicles					
Major type of vehicles					

**Table 6.6 - Characteristics of Different Industrial Areas**

		Tung Tau Industrial Area	Yuen Long Industrial Estate
1.	Distance from Town		
2.	Zone Planning		
3.	Transportation		
4.	Road Pattern		
5.	Air Quality		
6.	Area		
7.	Building Size		
8.	Building Height		
9.	Scale		
10.	Capital		
11.	Source of Capital		
12.	Technology Level		
13.	Industrial Types		
14.	Examples of Industries		
15.	Others		

### C. Data Processing, Presentation and Analysis

Draw the most appropriate diagrams to present the collected data.

#### Think About

List the merits and demerits of using the chosen diagrams.

### D. Interpretation and conclusion

1. List 3 locational advantages of Tung Tau industrial area.

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2. List 3 locational advantages of Yuen Long Industrial Estate.

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3. What types of industries are located at Tung Tau industrial area? Why?

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4. What types of industries are located at Yuen Long Industrial Estate? Why?

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5. Compare the impacts of Tung Tau industrial area and Yuen Long industrial estate on the surrounding environment.

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**E. Evaluation**

1. Other than the data collected in this course, suggest other data and information you might need to further investigate the industries in Yuen Long. Explain your answer.

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