INTRODUCTION TO
“TRANSPORT DEVELOPMENT, PLANNING AND MANAGEMENT”
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1. The development of transport & logistics in HK

**Guiding questions (2007):**
- What are the major patterns & modes of transport in HK?
- How have HK’s transport system and logistics developed?

**Guiding questions (2017):**
- What are the core elements of a transport system & major transport patterns?
- What are the major transport modes in HK?
- How have HK’s transport system & logistics developed?
Explanatory notes (2017):

- Transport systems: demand, nodes, linkages, networks, locations, flows & terminals
- Transport patterns (including personal travel & freight transport)
- Distance, transport cost, modal choice & modal competition
- Unimodal transport & multimodal transport
- Major transport modes in HK (including water transport, rail transport, road transport, air transport, pipelines)
The development of HK as a transport & logistics hub in the Zhujiang Delta Region

Deleted:

Logistics—supply chain activities of transportation, warehousing & finished goods inventory management
2. Transport problems in HK

- No change
3. Transport planning & traffic management in HK

**Guiding questions (2007):**
- How does the HK government cope with the transport problems? To what extent are these measures effective?
- To what extent are these transport innovations adopted by the Mainland? To what extent can these innovations be used in HK to solve its transport problems?
Explanatory notes (2017):

- Improvement of transport infrastructure in HK (e.g. provision of additional road capacity)

- Expansion & improvement of public transport in HK

- Various measures involved in managing road use in HK

- Sustainability & development of transport systems in environmentally-friendly ways

- Development of a sustainable transport system in HK
Effectiveness of the above transport planning & traffic management measures

Effectiveness of the transport planning & traffic management measures in HK

Transport innovations adopted by the Mainland (e.g. bus-rapid transit (BRT), Maglev train & high speed railway) & the feasibility of implementing them in HK to solve transport problems
4. Transport development & urban morphology

Guiding questions:

- What are the interrelationships between transport development & urban forms?
- To what extent the concepts of "transit-oriented development" help to develop a better urban & transport environment in HK?
Explanatory notes:

- Evolution of transportation (including transport modes, routes, networks) & urban forms, including the space/time relationship of one-hour commuting with different transport modes
- Impact of transport on urban land use (e.g. nodes & linkages, land rent theory, distance decay)
- The impact of “transit-oriented development” on the transport & urban development of HK
“Hong Kong named ‘best city in the world for commuters’ Public transportation gets top marks in survey but cycling and air quality still a problem.”
(Source: South China Morning Post [Date: 2 April 2014]
INTRODUCTION TO “REGIONAL STUDY OF ZHUJIANG DELTA”
The Zhujiang Delta module in 2007 & 2017

2007
1. Zhujiang Delta as a region
2. Zhujiang Delta as an agricultural region: characteristics & recent changes
3. Zhujiang Delta as a manufacturing region: characteristics & recent changes
4. Zhujiang Delta as a polluted region: causes, consequences & management

2017
1. Zhujiang Delta as a region
2. Changing agricultural & industrial development
3. Changing land use pattern
4. Change, development & the natural environment
1. Zhujiang Delta as a region

Guiding questions (2007):
- Where is Zhujiang Delta?
- Why is Zhujiang Delta regarded as a region? How are its boundaries set?

Guiding questions (2017):
- Where is Zhujiang Delta?
- What is a ‘region’?
- Why is Zhujiang Delta regarded as a region?
1. Zhujiang Delta as a region

Explanatory notes (2007):
- Location of Zhujiang Delta: site & situation
- The characteristics of Zhujiang Delta as a region
- A brief comparison with a similar region in China, e.g. Changjiang-Delta

Explanatory notes (2017):
- Location of Zhujiang Delta: site & situation
- The environmental & socio-economic characteristics of Zhujiang Delta as a region
2. Changing agricultural & industrial development

**Guiding questions (2017):**
- What changes can be observed in agriculture & manufacturing industries since the 1980s?
- What are the reasons for such changes?

**Guiding questions (2007):**
a) Agriculture:
- What are the physical & human characteristics of Zhujiang Delta?
How do these characteristics influence the development of agriculture in the region?

What are the agricultural changes in Zhujiang Delta since the 1980s? What are the reasons for such changes?

b) Industry:

What are the reasons for the rapid development of manufacturing industries in the Zhujiang Delta region?

How did the characteristics of manufacturing industries of Zhujiang Delta change in recent years?
Explanatory notes (2017):

- Changes & development in agriculture & manufacturing industries of Zhujiang Delta
  - Agriculture: from subsistence to export-oriented & internal consumption
  - Manufacturing: from labour-intensive to capital & technology intensive
- Reasons for such changes & development
3. Changing land use pattern

**Guiding questions (2017):**

- What changes can be observed in the land use pattern since the 1980s?
- What are the reasons for such changes?

**Explanatory notes (2017):**

- Changing land use pattern since the 1980s: from rural-agricultural dominant to urban-industrial dominant
- Urban expansion as a result of economic development & urban growth
- A brief introduction to the resulting features of urban expansion: city clusters & villages-in-the-city
4. Change, development & the natural environment

- No change in the requirements but the guiding questions & explanatory notes are re-structured
Enriching Knowledge Series for the Updated S4-6 Geography Curriculum:

(1) Basic concepts of transport geography and villages-in-the-city in the Zhujiang Delta (New)

Date: 20 December 2017
Enriching Knowledge Series for the Updated S4-6 Geography Curriculum:
(2) Managing the hydrological cycle and rivers in Hong Kong

- Part 1 – Visit to the Happy Valley Underground Stormwater Storage Tank (Date: 9 Feb 2018)
- Part 2 – Seminar on river regulation, revitalisation and developing Hong Kong as a “sponge city” (Date: 2 March 2018)
- Part 3 – Visit to the Yuen Long Bypass Floodway and related river management facilities (Date: 22 March 2018)