

**St. Francis Xavier's College**  
**NSS Geography**  
**Reminders for S4 students in 2024-2025**

**Assessment Mode and Weighting:**

<b>Form 4</b>	
1 <sup>st</sup> Term	<ul style="list-style-type: none"> <li>➤ 10% RT</li> <li>➤ 10% Assignments</li> <li>➤ 10% Classroom performance</li> <li>➤ 70% First Term Examination</li> </ul>
2 <sup>nd</sup> Term	<ul style="list-style-type: none"> <li>➤ 10% RT</li> <li>➤ 10% Assignments</li> <li>➤ 10% Classroom performance</li> <li>➤ 70% Second Term Examination</li> </ul>

**First Term:**

Cycle	Date	Unit	Teaching Objectives	Assignment
1	<b>Oxford NSS Geography Book 1 Chapter 1 – Opportunities and risks – Is it rational to live in hazard-prone areas?</b>			
	3 Sept – 13 Sept	<b>Unit 1.1</b> <b>Unit 1.2</b>	<ul style="list-style-type: none"> <li>- Brief description of the internal structure of the earth</li> <li>- The names and types of major plates and plate boundaries in the world, as well as their distribution</li> <li>- The reasons why do plates move</li> <li>- The major internal forces at different plate boundaries</li> <li>- The major internal processes and resulting landforms/features</li> <li>- Volcanism and the resultant landforms/features</li> </ul>	Revision Exercises DBQ  Past Paper Exercises DBQ
2	16 Sept – 25 Sept	<b>Unit 1.3</b>	<ul style="list-style-type: none"> <li>- The major landforms/features found at different plate boundaries (fold mountains, volcanic island arcs, ocean trench, volcano, midoceanic ridge and rift valley)</li> </ul>	
3	26 Sept – 7 Oct	<b>Unit 1.4</b>	<ul style="list-style-type: none"> <li>- The relationship between plate movement and natural hazards</li> </ul>	
4	8 Oct - 17 Oct	<b>Unit 1.5</b>	<ul style="list-style-type: none"> <li>- Effects of earthquakes (primary and secondary effects), volcanic eruptions and tsunamis on human beings and the environment</li> <li>- Measures used to reduce the effects of earthquakes, volcanic eruptions and tsunamis (e.g. monitoring, predicting and warning systems for natural hazards, various disaster mitigation and preparation strategies, land use zoning)</li> <li>- Effectiveness of the above measures</li> <li>- The reasons for less developed areas being more vulnerable to natural hazards than more developed areas (e.g. literacy level and awareness of the people, and socio-economic and technological gaps)</li> </ul>	
5	18 Oct – 29 Oct	<b>Unit 1.6</b>	<ul style="list-style-type: none"> <li>- The advantages and disadvantages of people living in hazard-prone areas</li> <li>- Essay-writing teaching</li> </ul>	

Oxford NSS Geography Book E1 – Dynamics Earth : The building of Hong Kong				
6	30 Oct – 12 Nov	<b>Unit 8.1</b> <b>Unit 8.2</b>	<ul style="list-style-type: none"> <li>- Earth systems: interaction between the atmosphere, the lithosphere and the hydrosphere</li> <li>- The internal structure of the Earth and crustal movement</li> <li>- Rock cycle and formation (volcanism, sedimentation, metamorphism)</li> <li>- Geomorphology and geology of Hong Kong               <ul style="list-style-type: none"> <li>■ Overall landform distribution</li> <li>■ Rock types and their distribution in Hong Kong</li> <li>■ Major geological features (folds and faults) in Hong Kong</li> </ul> </li> <li>- Modification of Hong Kong landscapes by urban development</li> </ul>	Revision Exercises DBQ  Past Paper Exercises DBQ
7	13 Nov – 21 Nov	<b>Unit 8.3</b>	<ul style="list-style-type: none"> <li>- Internal processes including:               <ul style="list-style-type: none"> <li>■ Folding</li> <li>■ Faulting</li> <li>■ Volcanism</li> </ul> </li> </ul>	
8	22 Nov – 4 Dec	<b>Unit 8.4</b>	<ul style="list-style-type: none"> <li>- External processes including:               <ul style="list-style-type: none"> <li>■ Weathering</li> <li>■ Erosion</li> <li>■ Mass wasting</li> </ul> </li> </ul>	
9-10	5 Dec – 19 Dec	<b>Unit 8.5</b> <b>Unit 8.6</b>	<ul style="list-style-type: none"> <li>- Geological resources – Reclamation materials               <ul style="list-style-type: none"> <li>■ Sources of materials and their distribution</li> <li>■ Environmental impact of the extraction of reclamation materials</li> <li>■ Local example: Hong Kong International Airport</li> </ul> </li> <li>- Geological hazard – Landslides               <ul style="list-style-type: none"> <li>■ Causes of landslides in Hong Kong, including natural and human factors</li> <li>■ Slope management and landslide prevention, e.g. strengthening slopes, restricting development on slopes, maintaining slopes, regular checking of slopes</li> <li>■ Local example: Sham Wan Landslide</li> </ul> </li> </ul>	
/	3 Jan – 16 Jan	<b>FIRST TERM EXAMINATION</b>		

**Second Term:**

<b>Oxford NSS Geography Book 1 Chapter 2</b>				
<b>Managing River and Coastal Environments: A continuing challenge</b>				
10	17 Jan – 22 Jan	Unit 2.1	- A brief introduction of hydrological cycle: characteristics, stores and transfers	Revision Exercises DBQ
11	23 Jan – 12 Feb	Unit 2.2	- Features of a drainage basin, including watershed, source, mouth, channel network - Major erosional, transportation and depositional processes - Factors influencing the above processes	Past Paper Exercises DBQ
12	13 Feb – 21 Feb	Unit 2.3	- Major landform features, including gorges, waterfalls and rapids, meanders and associated landform features, flood plains, levees, braids and deltas (using appropriate examples of the Mainland, e.g. Chang Jiang)	
13	25 Feb – 5 Mar	Unit 2.4	- Human activities on river environments - Impact and consequences: e.g. flooding, erosion and mass wasting, pollution, and disturbance / damage to the ecosystem - “Hard” and “soft” management strategies - Management issues, including evaluation of methods and strategies used, and their possible impact	
14	6 Mar – 18 Mar	Unit 2.5	- Wave generation and characteristics (constructive and destructive waves) - Major erosion, transportation and deposition processes - Factors influencing the above processes - Major landform features, including sea cliff, sea cave, sea arch and stack, wave-cut platform, beach, spit and bar, tombolo	
15	19 Mar – 27 Mar	Unit 2.6	- Human activities on river and coastal environments: e.g. drainage, reclamation and recreation - Impact and consequences: e.g. flooding, erosion and mass wasting, pollution, and disturbance / damage to the ecosystem - “Hard” and “soft” management strategies e.g. channelisation, building breakwaters, land use zoning, beach nourishment - Management issues, including evaluation of methods and strategies used, and their possible impact	
<b>Oxford NSS Geography Book 2 Chapter 4</b>				
<b>Building a sustainable city – Are environmental conservation and urban development mutually exclusive?</b>				
16	31 Mar – 9 Apr	Unit 4.1 Unit 4.2	- Brief description of urban problems in Hong Kong (e.g. housing problems, transport problems and pollution) - Definition of urban growth and urbanisation - Causes of urban growth and urbanisation (e.g. natural increase of urban population, rural-urban migration, reclassification of areas previously defined as rural, changing employment opportunities, and economic and transport development)	Revision Exercises DBQ  Past Paper Exercises DBQ

			<ul style="list-style-type: none"> <li>- Urban growth, urbanisation and the related change in the internal structure of a city</li> <li>- Cycle of urbanisation, suburbanisation, counter-urbanisation and reurbanisation</li> <li>- Processes involved in urban growth and development, including urban decay, urban sprawl and encroachment, urban redevelopment and renewal</li> </ul>	
17	10 Apr – 30 Apr	Unit 4.3	- Processes involved in urban growth and development, including urban decay, urban sprawl and encroachment, urban redevelopment and renewal	
18	2 May – 13 May	Unit 4.4	- Problems brought by urban development	
19	14 May – 27 May	Unit 4.5	<ul style="list-style-type: none"> <li>- Measures to alleviate or solve the urban problems</li> <li>- Conflicts arising from solving urban problems</li> </ul>	
20	28 May – 5 Jun	Unit 4.6 Unit 4.7	<ul style="list-style-type: none"> <li>- Definitions of “sustainable development and a “sustainable city”</li> <li>- Methods of developing a city into a sustainable one, e.g. better and careful planning of the city, regenerating and re-imaging the city</li> <li>- Price for developing a sustainable city</li> <li>- Relationship between urban development, socio-economic development, living standards and environmental conditions</li> <li>Consequences of not developing a city in a sustainable way in the long run (i.e. aggravation of urban problems and the impact on human beings and the environment)</li> </ul>	
/	9 Jun – 24 Jun	<b>FINAL EXAMINATION</b>		