

**Wah Yan College Kowloon**  
**F.2 Geography Scheme of Work (2017-2018)**

<b>Textbook</b>	1. Interactive Geography Module C2 – Living with Natural Hazards 2017 (1 <sup>st</sup> term) 2. Interactive Geography Module C4 –The Trouble of Water 2017 (2 <sup>nd</sup> term) 3. New Century Geography Section C Elective module 2 - Oceans in trouble 2012 (2 <sup>nd</sup> term) 4. Millennium School Atlas (Fifth Edition) 2016
<b>Other Resources</b>	

◆Repertoire of Self-directed Learning Skills:

1. reading to learn, 2. notes-taking, 3. looking up words in the dictionary, 4. pre-lesson preparation, 5. group discussion, 6. group presentation, 7. initiative to ask questions, 8. setting learning objectives and doing reflection, 9. eLearning platform with instant feedback, 10. flipped classroom, 11. peer assessment, 12. searching for information on the internet, 13. project learning, 14. training of higher-order thinking skills, etc.

**SL: Scheduled number of lessons**

**AL: Actual number of lessons**

School Term	Weeks	Topics/ Extended Parts*	Learning Objectives/ Teaching Focus	SL/ AL	Teaching and Learning Activities	Self-directed Learning Skills◆	Values#	Basic Law Education*	Consolidation and Assessment
	1	What is “GEOGRAPHY”?		1/		1, 2, 8, 12	2, 3, 7, 8, 10, 18		
<b>First Term (1/9/2017-2/1/2018, Weeks 1 to 18)</b>	2	What are the major natural hazards of the world?	To find out the major natural hazards of the world	2/	Internet searching Brain storming	1,2, 5, 6	2, 3, 7, 8, 10, 18		<b>Starting Point</b> PP. 2-3  <b>Try this out</b>

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									PP. 4, 7
	3	Where do they commonly occur?	To find out the global distribution of the major natural hazards	2/	Map reading Class discussion	1,2, 5, 6	7, 8, 10,		<b>PowerPoint</b> Where do they commonly occur?
	4	What are the causes of landslides and their effects on Hong Kong?	Identify major relief features on a contour map of Hong Kong Find the height of the ground and calculate slope gradient from a contour map Construct an annotated cross-section and calculate its vertical exaggeration	2/	Guessing the meanings of the conventional signs Class discussion of the causes of landslide	1,2, 5, 6	2, 3, 7, 8, 10, 18		<b>Try this out</b> P. 12  <b>Let's Explore</b> P. 10

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	5-6	How do we prepare for and respond to landslides?	To understand the preventive and remedial measures to reduce the negative effects of landslides  To observe in field and to identify preventive measures of landslide along hill slope	4/	Take a walk in the school campus to observe the conditions of the slopes	8, 13, 14	2, 3, 7, 8, 10, 18		<p><b>Starting Point</b> P. 16</p> <p><b>Try this out</b> PP. 21, 23, 27</p> <p><b>Let's Explore</b> PP. 22, 28-29, 33-35</p> <p><b>Revision</b> PP. 39-40</p>
	7-8	What are the causes and effects of tropical storms?	To be able to read a series of weather charts of Hong Kong and to describe the weather conditions within a period of time	4/	Assess real-time information provided by the Hong Kong Observatory to describe the forecasted path of a typhoon  Construct climatic graph and describe the temperature and rainfall distribution pattern shown	1,2, 5, 6	2, 3, 7, 8, 10, 18		<p><b>Starting Point</b> PP. 41-42</p> <p><b>Try this out</b> PP. 47, 50, 51, 54, 55</p> <p><b>Let's Explore</b></p>

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									PP. 46-47, 52-54
	9	How do Asian people prepare for and respond to tropical storms?	To understand the preventive and remedial measures to reduce the negative effects of typhoons To identify the warning signals associated with natural hazards in Hong Kong	2/	<b>Class discussion of the powerPoint</b> How do Asian people prepare for and respond to tropical storms?  <b>Group discussion of the video Clips</b> <ul style="list-style-type: none"> <li>Tropical cyclone warning signals, Hong Kong Observatory (Part 1) <a href="http://www.youtube.com/watch?v=5ZO2wTTS6Po">http://www.youtube.com/watch?v=5ZO2wTTS6Po</a></li> <li>Tropical cyclone warning signals, Hong Kong Observatory (Part 2) <a href="http://www.youtube.com/watch?v=dW-vzSTOjE&amp;feature=channel">http://www.youtube.com/watch?v=dW-vzSTOjE&amp;feature=channel</a></li> </ul>	1,2, 5, 6	2, 3, 7, 8, 10, 18, 19		<b>Try this out</b> P. 57  <b>Revision</b> PP. 62-63
	10	What are the causes and effects of earthquakes?	To find out the global distribution of earthquakes and its relationship	2/	Internet searching and class discussion: List of locally felt earth tremors since 1979 in Hong Kong <a href="http://www.hko.gov.hk/gts/quake/79">http://www.hko.gov.hk/gts/quake/79</a>	1,2, 5, 6	2, 3, 7, 8, 10, 18, 19		<b>Starting Point</b> PP. 64-65  <b>Try this out</b> PP. 71

School Term	Weeks	Topics/ Extended Parts*	Learning Objectives/ Teaching Focus	SL/ AL	Teaching and Learning Activities	Self-directed Learning Skills♦	Values#	Basic Law Education*	Consolidation and Assessment
			<p>with plate boundaries</p> <p>To understand the primary and secondary damages caused by earthquakes.</p> <p>To identify from satellite images, videos, photographs and news articles the impact of a recent hazard event</p>		<p><a href="#">felt_e.htm</a></p> <p>Magnitude and intensity of an earthquake</p> <p><a href="http://www.hko.gov.hk/gts/quake/mag_and_int_e.htm">http://www.hko.gov.hk/gts/quake/mag_and_int_e.htm</a></p> <p>Japan earthquake: Tsunami hits north-east, BBC News</p> <p><a href="http://www.bbc.co.uk/news/world-asia-pacific-12709598">http://www.bbc.co.uk/news/world-asia-pacific-12709598</a></p>				<p><b>Let's Explore</b></p> <p>PP. 66-67, 70, 75-76</p>
	11	How do people in the world prepare for and respond to earthquake?	To understand the preventive and remedial measures to reduce the negative effects	2/	<p>Internet searching and class discussion</p> <p>Earthquake safety rules</p> <p><a href="http://www.hko.gov.hk/gts/quake/eq_safety_e.htm">http://www.hko.gov.hk/gts/quake/eq_safety_e.htm</a></p> <p>Turkey: Earthquake prevention</p>	1,2, 5, 6	2, 3, 7, 8, 10, 18		<p><b>Starting Point</b></p> <p>PP. 83-84</p>

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			of earthquakes		<a href="http://www.youtube.com/watch?v=JCSxOQxkqVc&amp;feature=related">http://www.youtube.com/watch?v=JCSxOQxkqVc&amp;feature=related</a>				
	12	How and why do the effects of natural hazards vary among countries with different levels of economic development?	To understand the reasons for the people of the less developed regions being more vulnerable to natural hazards than those living in more developed regions	2/	A comparison of the impacts of natural hazards and the respective preventive and remedial measures adopted by in the more developed and the less developed region	1, 2, 5, 6	2, 3, 7, 8, 10, 18		<b>Try this out</b> PP. 84, 88
	13	Why do some people still choose to live in hostile areas affected by natural hazards?	To understand the reasons for people choose to stay in, or are unable to move away from hostile areas affected by natural hazards	2/	Use GIS software to construct a map showing the distribution of recent natural hazards in the world	1, 2, 9	2, 3, 7, 8, 10, 18		<b>Let's Explore</b> PP. 92-93  <b>GIS Corner</b> PP. 93-94  <b>GIS Workshop</b> PP. 103-104

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	14-16	Examination							
	16-18	Christmas and New Year Holiday							
<b>Second Term (3/1/2018-18/7/2018, Weeks 19 to 46)</b>	18-19	<b>Discussion of Mid-year Examination scripts</b>				1, 2, 8, 12			
	19-20	<b>Unit 1 How do water problems affect us?</b> I. What are the major threats to the global water supply? II. Where are the major rivers in China? III What are the major water	Investigate the major threats to the global water supply Know the distribution of major rivers in China Investigate the major water problems in China	4/	Map reading: major rivers in China	1,2, 5, 6	2, 3, 7, 8, 10, 18		Starter (P.2-3) Activity 1.1 (P.4-5) Activity 1.2 (P.8-9) Activity 1.3 (P.10-11) Activity 1.4 (P.14-15) Activity 1.5 (P.17) Consolidation

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		problems in China?							(P.19)
	21	<b>Unit 2 Where does water come from?</b> I. What is a water cycle? How does it operate?  II. What has gone wrong with the water cycle in China over the past few decades?	Know what water cycle is Understand the operation of a water cycle Investigate the changes of China's water cycle over the past few decades	2/	Use the flash animation to illustrate: - Water cycle - Changes in the water cycle in China in 1950 and 2000	1,2, 5, 6	2, 3, 7, 8, 10, 18		Activity 2.1 (P.20-21) Activity 2.2 (P.23-24) Consolidation (P.26)
	24-25	<b>Unit 3 Is Nature to blame?</b> I. Where are the wet regions and dry regions in China? Why are they distributed in such patterns?	Know the distribution of the wet regions and dry regions in China Investigate the reasons of the distribution	4/	Class discussion: - Distribution of wet and dry regions in China - Seasonal monsoon patterns in China - Distance from the sea - Effect of mountains on rainfall in the Tarim Basin	1,2, 5, 6	2, 3, 7, 8, 10, 18		Activity 3.1 (P.27-28) Activity 3.2 (P.31) Activity 3.3 (P.34) Activity 3.4 (P.37)



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		<p>II. How are flooding and drought in China related to its physical environment?</p> <p>III. What is the impact of population growth and rapid economic development on the spatial distribution of water problems in China?</p>	<p>pattern of these regions in China</p> <p>Understand how flooding and drought in China related to its physical environment</p> <p>Investigate the impact of population growth and rapid economic development on the spatial distribution of water problems in China</p>		<ul style="list-style-type: none"> <li>- Distribution of flooding and drought in China</li> <li>- How deforestation causes soil erosion</li> </ul>				<p>Activity 3.5 (P.39)</p> <p>Consolidation (P.41)</p>
	24-25	Lunar New Year Holiday							
	26	<b>Unit 4 What can be</b>	Know the	2/	Case study : investigate the	1,2, 5,	2, 3, 7,		Activity 4.1

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		<p><b>done to solve the water problems?</b></p> <p>I. What measures have been adopted to alleviate water problems in China?</p> <p>II. Can the Three Gorges Dam Project help solve flooding in China?</p> <p>III. Can the South-North Water Transfer Project help solve drought</p>	<p>measures adopted to alleviate water problems in China</p> <p>Investigate the effectiveness of the Three Gorges Dam Project</p> <p>Investigate the effectiveness of the South-North Water Transfer Project</p>		<p>measures taken by China</p>	<p>6</p>	<p>8, 10, 18</p>		<p>(P.42)</p> <p>Activity 4.2</p> <p>(P.46)</p> <p>Activity 4.3</p> <p>(P.49-50)</p> <p>Activity 4.4</p> <p>(P.52)</p> <p>Activity 4.5</p> <p>(P.55)</p> <p>Consolidation (P.62-63)</p> <p>Self-reviewing Tool (P.66-73)</p>

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		in China?							
	27	What are ‘oceans’? What are ‘seas’?  Where are the major oceans and seas?	Understand the distribution of major oceans (including Pacific Ocean, Atlantic Ocean, India Ocean, Arctic Ocean) and seas (e.g. Bering Sea, Black Sea, Caribbean Sea, Red Sea)	2/	Use atlas to find out the major oceans and seas in the world	1, 2	2, 3, 7, 8, 10, 18		<b>Starting Point</b> P. 2  <b>Try this out</b> P. 4
	28	What is a marine ecosystem? Why is it important to us?	Understand the brief introduction of an ecosystem: inputs, outputs, processes, energy flow, nutrient cycling, food chain Understand	1/	Revision of ecosystem <b>Class discussion of the video:</b> Marine ecosystem (Chinese version) <a href="http://v.youku.com/v_show/id_XMjM0NTE4MjQ=.html">http://v.youku.com/v_show/id_XMjM0NTE4MjQ=.html</a>	1,2, 5, 6	2, 3, 7, 8, 10, 18		<b>Let’s Explore</b> P. 14  <b>Revision</b> P. 16

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			oceans as a marine ecosystem and its importance of maintaining the survival and well-being of human						
	28	What are the major types of ocean resources? Where can they be found?	Distinguish the major types of ocean resources, including food (fish and other seafood), power (oil, natural gas, wind and tidal power), and minerals, and their distribution pattern  Describe the distribution	1	Class discussion of the videos:  Marine minerals <a href="http://worldoceanreview.com/en/wor-1/energy/marine-minerals/">http://worldoceanreview.com/en/wor-1/energy/marine-minerals/</a>  Natural gas (Chinese version) <a href="http://www.youtube.com/watch?v=4EV--zxcT3Q">http://www.youtube.com/watch?v=4EV--zxcT3Q</a>  Ocean energy (Chinese version) <a href="http://www.youtube.com/watch?v=IxM-9Tl3cAg">http://www.youtube.com/watch?v=IxM-9Tl3cAg</a>	1, 2, 5, 6	2, 3, 7, 8, 10, 18		

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			pattern of ocean resources						
	29	<b>Uniform Test</b>							
	30-31	<b>Easter Holiday</b>							
	32-33	How are these resources being used by human?	Describe the human use of ocean resources	4/	<p>Class discussion of the videos: Ocean resources and fisheries <a href="http://www.trunity.net/oceanresource/topics/view/55381">http://www.trunity.net/oceanresource/topics/view/55381</a></p> <p>Ocean energy <a href="http://www.trunity.net/oceanresource/topics/view/55383">http://www.trunity.net/oceanresource/topics/view/55383</a></p> <p>Various types of marine resources (Chinese version) <a href="http://www.nmmba.gov.tw/Education/SchoolResource/Environment07/Environment07_04">http://www.nmmba.gov.tw/Education/SchoolResource/Environment07/Environment07_04</a></p>	1,2, 5, 6	2, 3, 7, 8, 10, 18		<p><b>Let's Explore</b> PP. 28-29</p> <p><b>Try this out</b> PP. 26, 28</p>
	34	What other functions do oceans provide for human?	Describe the human use of ocean resources	2/	Group discussion	1, 2, 5, 6	2, 3, 7, 8, 10, 18		<b>Let's Explore</b> P. 34

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									<b>Revision</b> PP. 35-36
	35-36	What is overfishing? What effects does it have?	Define overfishing Describe the effect of overfishing on the marine ecosystem and human being with reference to specific places, e.g. South China Sea, North Sea and Mediterranean Sea	4/	Read and interpret graphs, charts and statistical data showing the production and consumption of ocean resources	1, 2	2, 3, 7, 8, 10, 18		<b>Starting Point</b> PP. 37-38  <b>Try this out</b> PP. 40, 46  <b>Let's Explore</b> P. 47
	37	How are the seas polluted? Where does most marine pollution	Understand the sources of marine pollution such as	2/	Use satellite images to trace the spread of oil spills (e.g. the Mediterranean Sea)	1, 2, 9	2, 3, 7, 8, 10, 18		<b>Let's Explore</b> PP. 53-54

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		come from?	sewage discharge, oil spills and sea transport						
	38	What are the consequences of marine pollution?	Understand the consequences of marine pollution	2/	Internet searching: collect information about the negative effects of human use of oceans	1, 2	2, 3, 7, 8, 10, 18		<p><b>Try this out</b> P. 58</p> <p><b>Let's Explore</b> PP. 58-59</p> <p><b>Revision</b> P. 60</p>
	39	<p>How can our 'ocean' problems be solved?</p> <p>Why is international co-operation so crucial in solving the problems?</p> <p>What have been done</p>	<p>Understand the measures to reduce the negative effects of human use of oceans</p> <p>Understand the possible ways of exploiting and managing ocean</p>	2/	<p>GIS exercise</p> <p><b>GIS Corner</b> P. 67</p> <p><b>GIS Workshop</b> PP. 97-99</p>	1, 2, 9	2, 3, 7, 8, 10, 18		<p><b>Starting Point</b> PP. 61-62</p> <p><b>Try this out</b> PP. 63, 65</p> <p><b>Let's Explore</b> P. 69</p>

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		in Hong Kong?	resources in a more sustainable ways						
	40-42	Final Examination							
	43-44	Post-exam activities							
	45	Discussion if Final Exam Scripts							

\* The extended parts should be marked with asterisks. These parts should be more challenging and can be covered when the students can master the knowledge and skills covered in the conventional topics.

※ Check the appropriate box with a “√” if Basic Law Education can be promoted when covering a particular topic



**# Core Values of Wah Yan College, Kowloon**

I. Love and care	1. Accept & feel positive about himself 2. Appreciation & Gratitude 3. Empathy & Compassion	4. Forgiveness & Reconciliation 5. Service 6. Family as a basic unit of society; marriage is the foundation of a family
II. Strive for excellence	7. Reflective 8. Commitment 9. Perseverance	10. Curiosity & willingness to learn 11. Value imagination and creativity
III. Respect and Justice	12. Life is valuable and respectable 13. Openness to good in all things 14. Respect for himself & others	15. Integrity 16. Faithfulness
IV. Responsibility	17. Freedom & Self-discipline 18. Care for the environment	19. Social Identities: citizen identity, national identity and global citizen identity
V. Faith	20. Experience of God 21. Explore & practise one's faith	22. Appreciate religious liturgies