

YISHUN SECONDARY SCHOOL 2020

Subject & Code: Geography

Level & Stream: Sec 1 (Express)

The Curriculum and Approaches to Learning		Key Programmes / Competitions
In line with the requirements of syllabus for Secondary One, the teaching of Geography at YSS focuses on an inquiry approach where students are given the opportunities to explore and construct their own knowledge.		ICT-facilitated inquiry approach for Sec 1 Geographical Investigation using ArcGIS and Survey123
Term 1 Week	Learning Experiences (chapter, activity)	Learning Outcomes & Assessment
1	<p>Target setting</p> <p>Continents and Oceans</p> <ul style="list-style-type: none"> <li>Identifying continents and oceans on atlas maps</li> <li>Reading latitudes and longitudes on atlas maps</li> </ul>	<p>World Map Geographical concepts (place, space, scale)</p>
2 - 3	<p>Chapter 1: What will we learn in Geography?</p> <ul style="list-style-type: none"> <li>What is Geography?</li> <li>Geographical inquiry (as the overarching teaching approach)</li> <li>Introduction to Physical and Human Geography</li> <li>Geography concepts: Space, Place, Scale and Environment</li> <li>Introduction to maps and its features</li> </ul>	<ul style="list-style-type: none"> <li>What is Geography?</li> <li>What do Geographers study?</li> <li>What are Geographical concepts?</li> <li>How do geographers carry out their investigations?</li> </ul>
4	<p>Skill: Trend Question</p>	<p>Describe the trend of water consumption per household in Sweden from 1990 to 2005.</p> <p>Trend Worksheet (change in direction and gradient)</p> <p>Geographical concept (scale)</p>

5	CNY Holidays	
6	Chapter 4.1 Water Shortage <ul style="list-style-type: none"> <li><input type="checkbox"/> Identify the uses of water with reference to graphs</li> <li><input type="checkbox"/> Define water shortage               <ul style="list-style-type: none"> <li><input type="checkbox"/> Describe the global distribution of water using maps</li> <li><input type="checkbox"/> Locations facing water shortage</li> </ul> </li> </ul>	WA 1 (20m) – 15% Continents and Oceans Chapter 1 Trend  Introduction to Distribution Questions and Maps  Photograph skills (See, Think, Wonder)
7	Chapter 4.1 [cont'd] + Chapter 4.2 <ul style="list-style-type: none"> <li>● With reference to named examples, explain the causes of water shortage</li> <li>● Demand factors behind water shortage</li> <li>● Supply factors behind water shortage</li> </ul>	Photographs  Personal recounts (texts)   Graphs to show causes of water shortage and water consumption
8	Revision for test <ul style="list-style-type: none"> <li>● Resource : 2019 Class Test 1</li> <li>● World Map, Graphs, Structured Questions</li> </ul>	2019 Class Test 1 Practice Paper (unpacking of questions, identification of keywords, weighting of marks)
9	Chapter 4.2 [cont'd] + Review of WA <ul style="list-style-type: none"> <li>● Test</li> <li>● Error analysis – addressing gaps and feedback loop</li> </ul>	Test  Reflection on WA1 performance & Addressing Gaps
10	Chapter 4.3 <ul style="list-style-type: none"> <li>● Explain the impacts of water shortage using examples               <ul style="list-style-type: none"> <li>○ Domestic impact</li> </ul> </li> </ul>	WB Activity 4.6 Worksheet

Term 2 Wee k	Learning Experiences (chapter, activity)	Learning Outcomes & Assessment
1	<p>Chapter 4.3 [cont'd]</p> <ul style="list-style-type: none"> <li>● Explain the impacts of water shortage using examples <ul style="list-style-type: none"> <li>○ Economic impact</li> </ul> </li> </ul> <p>Skill: Distribution</p> <ul style="list-style-type: none"> <li>● Describe the distribution of water of locations experiencing vulnerability to water stress.</li> </ul>	<p>WB Activity 4.6, 4.7</p> <p>Distribution WS on water scarcity</p>
2-3	<p>Chapter 4.4</p> <ul style="list-style-type: none"> <li>● Describe measures to be taken to avoid water shortage in Singapore. <ul style="list-style-type: none"> <li>○ Reduce water consumption</li> <li>○ Increase water supply</li> <li>○ Conservation</li> </ul> </li> <li>● Describe the advantages and disadvantages of various measures to avoid water shortage in Singapore.</li> <li>● Appreciate human ingenuity in developing technology to overcome water shortage</li> </ul>	<p>Group work activity and presentation of water shortage management strategies</p>
4	<p>Introduction to Geographical Investigation (GI)</p> <ul style="list-style-type: none"> <li>● Determine quality of water in a waterway</li> <li>● Discuss how human activities could affect water quality</li> <li>● Sparking curiosity</li> <li>● Allocation of GI Tasks</li> <li>● Instructions for Individual Research</li> </ul>	<p>GI Log</p> <p>Fieldwork to Kampung Kampus @ Ground Up Initiative</p>
5	<p>GI Data Collection</p> <p>Generating hypothesis</p> <p>Gathering primary data in fieldwork</p>	<p>Videos on water testing</p> <p>Use of ICT: iPads (ArcGIS and Survey123)</p>
6-7	<p>GI Exercise Reasoning</p> <ul style="list-style-type: none"> <li>● Data presentation</li> <li>● Data interpretation</li> <li>● Forming conclusion</li> </ul> <p>GI Reflective Thinking (local, personal, spatial)</p>	

8	<p>Revision for test</p> <ul style="list-style-type: none"> <li>• Resource : 2019 Class Test 2</li> <li>• World Map, Graphs, Structured Questions</li> </ul>	2019 Class Test 2 Practice Paper (unpacking of questions, identification of keywords, weighting of marks)
9	<ul style="list-style-type: none"> <li>• Test</li> <li>• Error analysis – addressing gaps and feedback loop</li> </ul>	Test Reflection on WA2 performance
10	<p>GI Presentation</p> <p>Submission of Individual and Group Project</p>	Group End Product