

YISHUN SECONDARY SCHOOL

Subject & Code: 2175

Level & Stream: Sec 3 (Normal Academic) 2020

The Curriculum and Approaches to Learning		Key Programmes / Competitions
In line with the requirements of the Geography Elective Syllabus 2014, the teaching of Geography Elective at YSS focuses on getting students to understand key Geographical concepts of space, place, physical and human processes, environmental and cultural diversity and interdependence and skills to develop in them an appreciation of the physical and human environment.		<ul style="list-style-type: none"> <li>- Geographical Investigation</li> <li>- Use of GIS</li> <li>- Humanities Week</li> <li>- Teaching through Inquiry, key concepts and Big Ideas</li> <li>- Assessment for learning approaches to assess students and provide feedback to help them improve.</li> </ul>
Term / Week	Learning Experiences (chapter, activity)	Learning Outcomes & Assessment
<b>Term 1</b>		
Week1-2	<p><b>Key Question: Why do different places experience different weather and climate?</b></p> <ul style="list-style-type: none"> <li>• Differentiate between weather and climate.</li> <li>• Explain the daily and seasonal variations in temperature at a particular location.</li> </ul>	<p><u>Content Activity:</u></p> <p>Compare between weather and climate through analysis of meteorological reports.</p> <p><u>Skill Focus:</u></p> <p><b>Data Response Questions</b></p> <p>Analysis of data and tables to determine relationship of variables.</p>

		Calculation of mean temperature and temperature range.
Week 3-4	<ul style="list-style-type: none"> <li>• Compare and explain the variations in temperature between different locations.</li> <li>• Explain the differences in relative humidity in different locations.</li> </ul>	<p><u>Content Activity:</u>  <b>GIS Lesson on elements of weather.</b></p> <p><u>Skill Focus :</u></p> <ul style="list-style-type: none"> <li>• Data Response Questions</li> <li>• Relationship of variables.</li> <li>• SEQ</li> <li>• (Prep for WA1)</li> </ul>
Week 5-6	<ul style="list-style-type: none"> <li>• Explain the formation of convectional rain and relief rain.</li> </ul>	<p><u>Content Activity:</u>  Inquiry Question: What type of rainfall does Singapore experience?</p> <p>Newspaper reports on rainfall in Singapore.</p> <p>View satellite images on relief rain impacts.</p> <p><u>Skills Focus:</u></p> <p>Annotations and drawing of convectional and relief rainfall diagrams.</p> <p><b>**WA1 : Week 6</b></p>
Week 7-8	<ul style="list-style-type: none"> <li>• Explain how coastal temperatures are moderated by land and sea breezes.</li> <li>• Explain the formation of monsoon winds. (GIS Lesson)</li> </ul>	<p><u>Content Activity:</u>  GIS Lesson on monsoon winds  View satellite images to observe wind movement.</p> <p>Analysis of newspaper reports on monsoon wind</p>

		<p>activity around the region and its impacts.</p> <p><u>Skills Focus:</u> Annotations and drawing of land and sea breeze.</p>
<p>Week 9-10</p>	<p>Geographical Investigation</p>	<p><u>Content Activity:</u></p> <p><b>GIS Lesson on Geographical Inquiry</b></p> <p><u>Skill Focus:</u></p> <p>Use of appropriate fieldwork instruments to gather weather data i.e. temperature, rainfall, air pressure, wind, relative humidity.</p> <p>- Use appropriate graphs and diagrams to represent weather data - Present data in the form of tables as well as interpret and plot data from a given table</p>
<p><b>Term / Week</b></p> <p>Term 2</p>	<p><b>Learning Experiences (chapter, activity)</b></p>	<p><b>Learning Outcomes &amp; Assessment</b></p>

Week1-2	<p><b>Key Question 2: What is happening to the Earth's climate? –</b></p> <ul style="list-style-type: none"> <li>• Discuss and explain climate change since 1880</li> <li>• Explain the greenhouse effect</li> </ul>	<p><u>Content Activity:</u> Online reports and videos on greenhouse effect.</p> <p><u>Skill Focus:</u> Extract information, describe trends and draw conclusions from graphs on temperature and greenhouse gases.</p>
Week 3-4	<ul style="list-style-type: none"> <li>• Discuss the natural causes of recent climate change</li> <li>• Explain how human activities lead to enhanced greenhouse effect.</li> </ul>	<p><u>Content Activity:</u> Inquiry Question: Are humans to blame for climate change or is it a natural event?</p> <p>Group Jigsaw activity exploring how human activities can cause climate change.</p> <p><u>Skill Focus :</u> Data response questions on causes of climate change.</p>
Week 5	<ul style="list-style-type: none"> <li>• Revision for test</li> <li>• Resource : 2019 Class Test 1</li> <li>• WA 1</li> </ul>	<ul style="list-style-type: none"> <li>• 2019 Class Test 1 Practice</li> <li>• Paper (unpacking of questions, identification of keywords, weighting of marks)</li> </ul>
Week 6	<ul style="list-style-type: none"> <li>• Test</li> <li>• Error analysis – addressing gaps and feedback loop</li> <li>• ** Revision natural causes of Climate change</li> </ul>	<ul style="list-style-type: none"> <li>• Test</li> <li>• Reflection on WA1 performance &amp; Addressing Gaps</li> </ul>

Week 7-9	<ul style="list-style-type: none"> <li>• Discuss the impact of climate change</li> <li>• Describe the responses to climate change</li> </ul>	<u>Content Activity</u>  Jigsaw activity and gallery walk to highlight impacts of climate change  <u>Skill Focus :</u>  Drill students on key skills such as GI, Trend Questions, Relationship Questions, Distribution Questions and 1 8m Structured Essay Question]
Week 10	<ul style="list-style-type: none"> <li>• Consolidation of Sem 1 content and skills</li> <li>• Deeper analysis of Climate Change</li> <li>• Practice Papers from HEG</li> </ul>	