



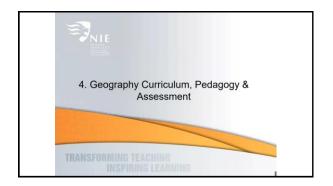
### Greener efforts in schools (2021): Singapore Green Plan 2030

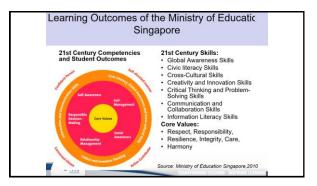
- Every student to understand, live and practice sustainability
- · Eco-stewardship programmes
- Reduce carbon footprint (some schools to be carbon neutral by 2030)
- · Make responsible decision
- · Create ripple effect on families and friends
- · Make sustainability a key part of the
- y Scurriculum

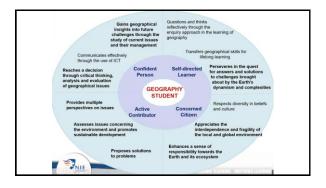




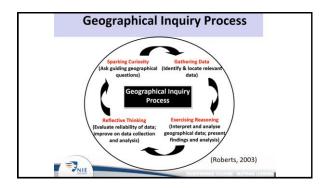




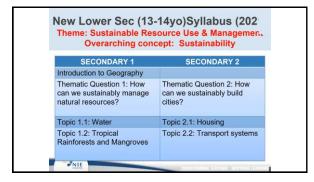




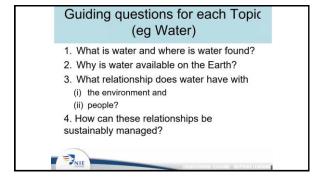
# A paradigm shift to move away from the mere memorisation of information to the comprehension, extraction and application of information from a variety of sources to construct new knowledge and understanding. Through the inquiry process, students will be challenged to examine their own thinking and become self-reflective thinkers.



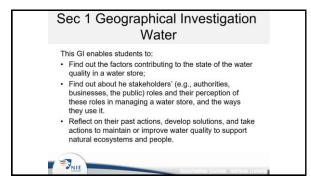
## Geographical Inquiry in Fieldwork Geographical Inquiry requires students to participate in an investigation into an authentic geographical issue (through fieldwork). It involves the geographical inquiry process of formulating questions, gathering data, exercising reasoning and reflective thinking.

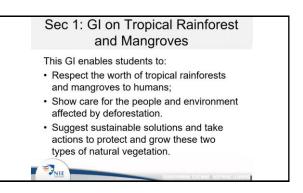


# Skills: • to pose geographical questions to initiate and sustain their learning • to apply methods of the discipline to investigate physical and human phenomena, processes, and associated issues • to interpret geographical data to recognise patterns and suggest relationships • to analyse physical and human phenomena, processes, and associated issues. Values & Attitudes: • respect, care and concern for the environment and people • a sense of responsibility and a desire to contribute towards shillding a sustainable future.



Assessment	Examples
Summative	- Class test
Assessment	- Examination
Alternative	- Performance task
Assessment	(Response to a geographical issue in the news)
	-Geographical Investigation (Process and Product)





## Sec 2 Geographical Investigation Housing

- · This GI enables students to:
- Find out the factors affecting the use of different features (e.g., parks, playground, markets) found in a neighbourhood;
- Find out the impact of different features (e.g., parks, playground, markets) on people and/or the environment.
- Recommend sustainable solutions, and take actions to maintain or improve people's quality of life, and the quality of the environment.

### Sec 2 Geographical Investigation: Transport

This GI enables students to:

- Find out the factors affecting the mobility of different groups of people;
- Find out the impact of different mobility options on people and/or the environment;
- Develop solutions and take actions that are sustainable to improve people's quality of life, and the environment.



### Upper Sec (15-16yo) Geography **Syllabuses** 2013 Syllabus (2236) 2006 Syllabus 2023 Syllabus 1. Plate tectonics 1. Coasts S3 & S4: 2. Weather & climate 2. Living with -Sustainable Natural vegetation Rivers & Coasts Tectonic Hazards Development 3. Variable Weather 5. Geography of & Climate **Five Clusters** 4. Global Tourism Geog in everyday life Food 6. The Industrial 5. Food Resources 2. Tourism 7. Tourism Diseases 3. Climate 8. Development 5. Singapore

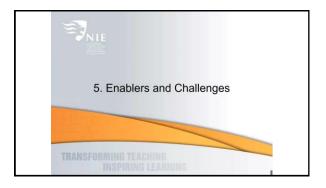
## Each Cluster with 3 sub-levels

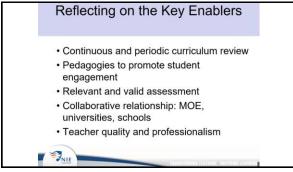
- Topic 1: Phenomena, concepts
- · Topic 2: Implications and impacts
- · Topic 3: Responses, sustainable develop'mt
- Example: Climate Cluster:
- 1.Weather and Climate
- · 2. Climate Change
- · 3. Climate Action

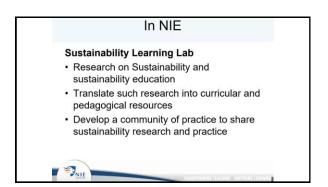


### Some Concepts for Upper Sec Geog Adaptation Environmental Air pollution sustainability Community Hazards resilience Preparedness Provisioning Cultural services Disaster risk services management Regulating services Economic Social sustainability sustainability Vulnerability Environmental

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Nistewardship







# Challenges 1. Terminologies and Concept on Sustainability - Environmental Education (EE) - Sustainable Development (SD) - Education for Sustainable Development (ESD, EfSD) - Decade of Education for Sustainable Development (DESD) 2. Content of School Geography 3. Teachers' & Students' Conception of Sustainability

