



Enseignement secondaire		
Classes internationales		
	Régime anglophone	
Géographie		
Programme		
5IEC		
Leçons hebdomadaires: 2		
Langue véhiculaire: anglais		
Nombre minimal de devoirs par trimestre: 1		

Pre-Requisites

Students should have an adequate written and oral command of the English language, as set out by the admission exam's criteria. No command of the Luxembourgish language is required.

Aims

The 5IEC's curriculum is designed to ease students into the world of geographical concepts and methods. Orientation, consequences of Earth's movement and an introduction to weather and climate form the building block of the geographer's toolkit required for further subjects. The curriculum then focuses on geophysical hazards and the ocean environment. By the end of the year the learner should have acquired a sound understanding of the geophysical environment in which human-nature interactions take place.

Course components

I. Geographer's Toolkit

Teachers are encouraged to include aspects of the textbook topic 1 'What do Geographers do?'

1. Orientation
2. Map skills
3. Earth movement and its consequences
4. Weather and climate (weather elements, climate graphs, climate characteristics)
5. Climate zones and their characteristics

II. Geophysical Hazards and Extreme Environments

Textbook link:

Topic 10: What happens when humans live in hazardous places?

Topic 11: Can tectonically active areas all be managed in the same way?

1. Volcanism
2. Plate tectonics
3. Earthquakes



4. Tsunamis
5. Storms (e.g.: tropical cyclones, tornadoes)
6. Characteristics of extreme environments

III. Oceans

Textbook link:

Topic 4: How can we manage the interaction of water and land?

1. Water-land interactions (e.g.: hydrological cycle, drainage basins, processes in a river, Bradshaw model, landforms along a river,...)
2. Oceans' Physical and Political Features (e.g.: ocean floor, resources, UNCLOS, ownership dispute, maritime piracy,...)
3. Ocean currents and their effect on climate and places

IV. Global climate – changes and resilience (selection of possible topics)

Textbook link:

Topic 9: What are the consequences of our inaction in response to climate change?

1. Earth's atmosphere
2. Earth's energy budget
3. Natural and enhanced greenhouse effect
4. The causes and consequences of climate change on people and places
5. Management of climate change consequences

Skill training

Students are advised to consult the skill section of the manual for each topic and to practise the corresponding geographical techniques.

Fieldwork

If time and facilities allow, fieldwork should be carried out once a year.

Skills and objectives

Methodological skills will be compatible with those developed in the General History course: the study of texts and maps, the analysis and commentary of photographic material, the assessment of charts and other statistical data. In addition, students will be familiarised with more geographical skills such as conducting fieldwork.

Assessments

Students are required to write one class paper per term (60 marks). Presentations and participating in class discussion will also be taken into consideration for the final mark of each term.

Course materials

- The required textbook for 5IEC is :
Harrison, L., & Torres, T. (2019). *Geography for the IB MYP 4&5*. London: Hodder Education. ISBN 978-1-5104-25804
- Teachers will provide additional material for topics not extensively covered by the compulsory textbook. Costs for photocopying apply.