



KNES Secondary School Course Outline

Year 10 Term 2 Geography

Term Overview.

This term Year 10 students will be studying the following theme:

- **The Natural Environment**

This theme includes issues like; **Plate tectonics, Landforms and landscape processes, Weather, climate and natural vegetation, Inter-relationships between the natural environment and human activities.** Each topic also deals with specific case studies.

Homework will also be given weekly and non-completion of homework will affect the student's final mark.

Teacher's Expectations/Discipline Policy:

Students, please remember:

- If you are absent, it is your responsibility to get your homework assignment from a classmate and submit it when you return.
- Homework left at home will be considered as not being done.
- If you miss a test or deadline on an assignment, you will receive 0% unless you can provide a letter from a medical doctor to show you were not able to attend.
- It is your responsibility to come to class with the necessary books and other items- they are of no value to you sitting at home.
- You are to use washrooms before school and during scheduled breaks, not during lessons.
- Lateness and unauthorized absence will result in grade mark penalties.

Unit Outline Geography

Week	Task/Topic/Area	Learning Outcome. Students will be able to:-
1	Topic 1 – Plate Tectonics Test 1	<ul style="list-style-type: none"> • Describe the distribution of earthquakes, volcanoes and fold mountains in relation to plate margins. • Describe the causes and effects of earthquakes and volcanic eruptions • Describe the general distribution of fold mountains, volcanoes and earthquakes and explain how this distribution is related to movements at plate boundaries. • Show a basic understanding of plate tectonics, describing the global pattern of plates, their structure, and be aware of plate movements and their effects – plates moving away from each other (sea floor spreading), plates moving towards each other (subduction) and plates sliding past each other. • Demonstrate an understanding of the main features of volcanoes (and their eruptions) and earthquakes.
2-3	Topic 2 – Weathering Rivers Test 2	<ul style="list-style-type: none"> • Describe weathering, river and marine processes • Describe what is meant by different types of weathering – physical/mechanical (freeze-thaw action, exfoliation), chemical (carbonation, oxidation) and biological. • Describe and explain the landforms associated with these processes. • Explain the main factors influencing the type and rate of weathering – climate and rock features (mineral composition, grain size of rock, presence of lines of weakness) • Demonstrate an understanding of the work of a river in eroding, transporting and depositing. • Describe and explain the landforms associated with these processes.
4	Topic 3 - Coasts and coral reefs Test 3	<ul style="list-style-type: none"> • Demonstrate an understanding of wave processes in eroding a coastline and re-

		<p>sorting and depositing materials removed through erosion.</p> <ul style="list-style-type: none"> • Describe and explain the landforms associated with these processes. • Describe the conditions required for the development of coral reefs. • Describe fringing and barrier reefs and atolls.
5	Topic 4 - Weather and climate	<ul style="list-style-type: none"> • Describe the methods of collecting and measuring meteorological data. • Draw, describe and explain the use and siting of the following instruments at a weather station: rain gauge, maximum-minimum thermometer, wet and dry bulb thermometer (hygrometer), barometer, anemometer and wind vane. • Make calculations using information from these instruments. • Use and interpret graphs and other diagrams showing weather data. • Describe and explain the characteristics, siting and use made of a Stevenson screen. • Describe the main types of cloud and be able to estimate the extent of cloud cover.
8	Topic 5 – Tropical Rainforests and Hot deserts Test 4	<ul style="list-style-type: none"> • Describe and explain the characteristics of the climate and natural vegetation of two ecosystems: <ul style="list-style-type: none"> 1. Tropical rainforest; 2. Tropical desert. • Describe and explain the relationship between the climate and natural vegetation in these two ecosystems.
9	Topic 6 – Natural Hazards its impacts on Human activities Test 5	<ul style="list-style-type: none"> • Demonstrate the interaction between the natural environment and human activities with reference to natural hazards, landscape processes, climate and the two named ecosystems.
10	Revision Week	
11	Exam Week	

Term Assessment Table for Geography Year 10.

	Description	% of term mark
Assessment 1.	Test 1: Topic 1	10%
Assessment 2	Test 2: Topic 2	10%
Assessment 3	Test 3: Topic 3 and 4	10%
Assessment 4	Test 4: Topic 5	10%
Assessment 5	Test 5: Topic 6	10%
Exams		50 %