

MARINA INTERNATIONAL SCHOOL

GEOGRAPHY SCHEME OF WORK

FORM 4 - TERM 1

WEEK	TOPIC	TOPIC DETAILS
1.1	POPULATION AND SETTLEMENT 1.1: Population dynamics	<input type="checkbox"/> To describe and give reasons for the rapid increase in the world's population <input type="checkbox"/> Show an understanding of over-population and under-population <input type="checkbox"/> Causes and consequences of over-population and under-population <input type="checkbox"/> Understand the main causes of a change in population size <input type="checkbox"/> How birth rate, death rate and migration contribute to the population of a country increasing or declining.
2.1	Population dynamics (cont.)	<input type="checkbox"/> Give reasons for contrasting rates of natural population change <input type="checkbox"/> Impacts of social, economic and other factors (including government policies, HIV/AIDS) on birth and death rates
3.1	Case Studies:	<input type="checkbox"/> To describe and evaluate population policies <input type="checkbox"/> Case Studies required for 1.1 <input type="checkbox"/> A country which is over-populated <input type="checkbox"/> A country which is under-populated
4.1	Migration	<input type="checkbox"/> A country with a high rate of natural population growth • A country with a low rate of population growth (or population decline) <input type="checkbox"/> Explain and give reasons for population migration <input type="checkbox"/> Internal movements such as rural-urban migration, as well as international migrations, both voluntary and involuntary <input type="checkbox"/> To demonstrate an understanding of the impacts of migration
5.1	Case Study:	<input type="checkbox"/> Positive and negative impacts on the destination and origin of the migrants, and on the migrants themselves. <input type="checkbox"/> Case Study required for 1.2 <input type="checkbox"/> An international migration.
6.1	Population structure	<input type="checkbox"/> To identify and give reasons for and implications of different types of population structure. <input type="checkbox"/> Age/sex pyramids of countries at different levels of economic development. <input type="checkbox"/> Case Study, a country with a high dependent population

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7.1	Population density and distribution	<p>□ To describe the factors influencing the density and distribution of population</p> <p>□ These include Physical, economic, social and political factors</p> <p>□ Case Studies: □ A densely populated country or area (at any scale from local to regional) □ A sparsely populated country or area (at any scale from local to regional)</p>
8.1	Settlements (rural and urban) and service provision	<p>□ Explain the patterns of settlement □ Dispersed, linear, and nucleated. □ Describe and explain the factors which may influence the sites, growth and functions of settlements. □ Influence of physical factors (including relief, soil, water supply) and other factors (including accessibility, resources).</p>
9.1	hierarchy of settlements	<p>□ Give reasons for the hierarchy of settlements and services. □ High-, middle- and low-order settlements and services. Sphere of influence and threshold population</p> <p>□ Case Study: □ Settlement and service provision in an area.</p>
10.1	Urban settlements	<p>□ To describe and give reasons for the characteristics of, and changes in, land use in urban areas □ Land use zones including the Central Business District (CBD), residential areas, industrial areas and the rural-urban fringe of urban areas in countries at different levels of economic development. □ The effect of change in land use and rapid urban growth in an urban area including the effects of urban sprawl. □ Explain the problems of urban areas, their causes and possible solutions □ Different types of pollution (air, noise, water, visual), inequality, housing issues, traffic congestion and conflicts over land use change.</p>
11.1	Urbanisation	<p>□ Case Study required for 1.6 • An urban area or urban areas □ To identify and suggest reasons for rapid urban growth.</p> <p>□ Reference should be made to physical, economic and social factors which result in rural depopulation and the movement of people to major cities.</p>
12.1	Urbanisation	<p>□ To describe the impacts of urban growth on both rural and urban areas, along with possible solutions to reduce the negative impacts. □ The effects of urbanisation on the people and the natural environment. □ The characteristics of squatter settlements. □ Strategies to reduce the negative impacts of urbanization.</p> <p>□ Case Study: □ A rapidly growing urban area in a developing country and migration to it</p>

GEOGRAPHY SCHEME OF WORK

FORM 4 - TERM 2

WEEK	TOPIC	TOPIC DETAILS
1.1	THE NATURAL ENVIRONMENT Topic 2.1. Earthquakes and volcanoes	<ul style="list-style-type: none"> □ To describe the main types and features of volcanoes and earthquakes. □ Types of volcanoes (including stratovolcanoes [composite cone] and shield volcano). □ Features of volcanoes (including crater, vent, magma chamber) □ Features of earthquakes (including epicentre, focus, magnitude) □ Describe and explain the distribution of earthquakes and volcanoes. The global pattern of plates and their structure; an awareness of plate movements, subduction zones and their effects – constructive/divergent, destructive/convergent and conservative plate boundaries
2.1	Earthquakes and volcanoes (cont.)	<ul style="list-style-type: none"> □ Describe the causes of earthquakes and volcanic eruptions and their effects on people and the environment. □ Demonstrate an understanding that volcanoes present hazards and offer opportunities for people.
3.1	Case Studies	<ul style="list-style-type: none"> □ To explain what can be done to reduce the impacts of earthquakes and volcanoes. □ Case Studies: <ul style="list-style-type: none"> o An earthquake o A volcano
4.1	Rivers	<ul style="list-style-type: none"> □ Explain the main hydrological characteristics and processes which operate in rivers and drainage basins. □ Characteristics of rivers (including width, depth, speed of flow, discharge) and drainage basins □ (including watershed, tributary, confluence) □ Processes which operate in a drainage basin (including interception, infiltration, throughflow, groundwater flow, evaporation, overland flow). □ To demonstrate an understanding of the work of a river in eroding transporting and depositing
5.1	Rivers (cont.)	<ul style="list-style-type: none"> □ Describe and explain the formation of the landforms associated with these processes. □ Forms of river valleys – long profile and shape in cross-section, waterfalls, potholes, meanders, oxbow lakes, deltas, levées and flood plains □ Demonstrate an understanding that rivers present hazards and offer opportunities for people □ Causes of hazards (including flooding and river erosion)

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6.1	Case Study	<p>□ Explain what can be done to manage the impacts of river flooding □ Case Study: The opportunities presented by a river or rivers, the associated hazards and their management</p>
7.1	Coasts	<p>□ To demonstrate an understanding of the work of the sea and wind in eroding, transporting and depositing</p> <p>□ Describe and explain the formation of the landforms associated with these processes.</p> <p>□ Cliffs, wave-cut platforms, caves, arches, stacks, stumps, bay and headland coastlines, beaches, spits, and coastal sand dunes</p>
8.1	Coasts (cont.)	<p>□ Describe coral reefs and mangrove swamps and the conditions required for their development. □ Demonstrate an understanding that coasts present hazards and offer opportunities for people. □ Hazards (including coastal erosion and tropical storms).</p>
9.1	Case Study on coast	<p>□ Explain what can be done to manage the impacts of coastal erosion.</p> <p>□ Case Study: □ The opportunities presented by an area or areas of coastline, the associated hazards and their management</p>

GEOGRAPHY SCHEME OF WORK

FORM 4 - TERM 3

WEEK	TOPIC	TOPIC DETAILS
1.1	Weather	<p>□ Describe how weather data are collected. □ Describe and explain the characteristics, siting and use made of a Stevenson Screen □ Rain gauge, maximum-minimum thermometer, wet-and-dry bulb thermometer (hygrometer), □ sunshine recorder, barometer, anemometer and wind vane, along with simple digital instruments which can be used for weather observations; observations of types and amounts of cloud.</p>
2.1	Weather (cont.)	<p>□ Make calculations using information from weather instruments.</p> <p>□ Use and interpret graphs and other diagrams showing weather and climate data.</p>
3.1	Climate and natural vegetation	<p>□ To describe and explain the characteristics of two climates: • equatorial • hot desert</p> <p>□ Climate characteristics (including temperature [mean temperature of the hottest month, mean temperature of the coolest month, annual range]; and precipitation including convection and relief rainfall [the amount and seasonal distribution]) □ Factors influencing the characteristics of these climates (including latitude, pressure systems, winds, distance from the sea, altitude and ocean currents) □ Climatic graphs showing the main characteristics of temperature and rainfall of the two climates.</p>
4.1	Climate and natural vegetation	<p>□ Describe and explain the characteristics of tropical rainforest and hot desert ecosystems □ The relationship in each ecosystem of natural vegetation, soil, wildlife and climate.</p>
5.1	Climate and natural vegetation	<p>□ Describe the causes and effects of deforestation of tropical rainforest</p> <p>□ Effects on the natural environment (both locally and globally) and effects on people.</p>

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6.1	Climate and natural vegetation - Case Study	<input type="checkbox"/> Case Study: • An area of tropical rainforest • An area of hot desert
7.1	ECONOMIC DEVELOPMENT Topic 3.1: Development	<input type="checkbox"/> Use a variety of indicators to assess the level of development of a country. <input type="checkbox"/> Indicators of development (including GNP per capita, literacy, life expectancy and composite indices, e.g. Human Development Index (HDI)) <input type="checkbox"/> Identify and explain inequalities between and within countries.
8.1	Development (cont.)	<input type="checkbox"/> Classify production into different sectors and give illustrations of each <input type="checkbox"/> Primary, secondary, tertiary and quaternary sectors <input type="checkbox"/> Describe and explain how the proportions employed in each sector vary according to the level of Development. <input type="checkbox"/> Use of indicators of development and employment structure to compare countries at different levels of economic development and over time.
9.1	Case Study on development	<input type="checkbox"/> Describe and explain the process of globalisation, and consider its impacts. <input type="checkbox"/> The role of technology and transnational corporations in globalisation along with economic factors which give rise to globalization. <input type="checkbox"/> Impacts at a local, national and global scale Case Study: <input type="checkbox"/> A transnational corporation and its global links