

GEOGRAPHY SYLLABUS: Ordinary level

Geography syllabus for secondary schools form I-IV in Tanzania, 2010 Edition.

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Form one

1. Concept Of Geography

1. Meaning of Geography Phenomena
 1. Define the term geography
 2. Explain the inter-relationship between different geographical phenomena
 3. Name the Components of the Solar System
 4. Describe the importance of the components of solar system
2. The Sun
 1. State the dimension of the sun in relation to other space bodies
 2. Describe the characteristics of the sun
3. Solar Energy
 1. Define the term solar energy
 2. Suggest different uses of solar energy
 3. Explain how the use of solar energy promotes environmental conservation
 4. Explain how solar energy may contribute to emancipation of women
4. The Planets
 1. Locate the planets in the solar system
 2. Show relative distance of planets from the earth
5. Other bodies in the Solar System
 1. Describe the characteristics of comets, asteroids, meteors and satellites
 2. Narrate local incidents linked to meteorites
6. The Earth
 1. Describe the shape of the earth and its evidence
7. Earth's Movements
 1. Describe the types of earth's movements
 2. Describe the term rotation
 3. Give evidence to prove that the earth rotates
 4. Explain the significances of earth's rotation
 5. Define the term revolution
 6. Explain the process of revolution
 7. Describe the result of the earth's revolution around the sun
8. The Importance of the Parallels and Meridians
 1. Define the parallels and meridians
 2. Describe how latitudes and longitudes are determined
 3. Explain the importance of a great circle

4. Discuss the importance of parallels and meridians
5. Calculate local time
6. Define time and time zone
7. Explain the essence of time and time zone
8. Explain variation of standard time in a single country
9. Define International Date Line
10. Locate International Date Line

2. Major Features Of The Earth's Surface

1. Continents
 1. Explain the meaning of a continent
 2. Identify the major features of the continent
2. Water Bodies
 1. Define a water body
 2. Identify the oceans and other water bodies
 3. Describe the features of the ocean floor
 4. Draw the map to show the distribution of continents and water bodies

3. Weather

1. Concept of Weather
 1. Define weather
 2. Describe the importance of weather
 3. Show the relationship between weather and humans occupations
2. Elements of Weather
 1. Name elements of weather
 2. Explain the importance of each element
3. Weather Station
 1. Define weather station
 2. Explain how to establish elements of weather
 3. Describe characteristics of a Stevenson screen
 4. Describe the characteristics and functions of instruments used to measure the elements of weather
 5. Measure and record elements of weather
 6. Describe the meaning of weather forecasting and how it is done

4. Climate

1. Concept of Climate
 1. Define the concept of climate
2. Weather and Climate
 1. Differentiate between weather and climate
3. Impact of Climate
 1. Relate climate to human activities

5. Map Work

1. The Concept of a Map
 1. Define the concept of a map
2. Components of a Map
 1. List all the components of a map
 2. Define scale and identify different ways used in representing a scale

3. Distinguish and explain signs from symbols
3. Quantitative Information on Maps
 1. Measure the distance on the map and convert to the actual ground by using scale
 2. Calculate areas of regular and irregular figures
 3. Identify location of position
 4. Find direction and bearing of object on maps
4. Uses of Maps
 1. Describe different uses of maps

Form Two

1. Human Activities

1. Concept of Human Activities
 1. Give the meaning of human activities
 2. Identify major types of human activities

2. Agriculture

1. Small Scale Agriculture
 1. Explain the characteristics of small-scale agriculture at subsistence level
 2. Explain the effects of rapid population growth on small scale agriculture
 3. Describe advantages and disadvantages of small-scale agriculture
2. Large Scale Agriculture
 1. Name types of large-scale agriculture in the world
 2. List the major crops grown in each type of large-scale agriculture
 3. Describe characteristics of large-scale agriculture
 4. Describe the requirements for growth, farm, preparation, planning, care, harvesting, processing, storage and transport.
 5. Identify and locate major producing countries for respective crops in the world
 6. Describe contribution of produced crops to the economy of USA and Tanzania
 7. Drawing example from Tanzania and USA explain problems facing large scale agriculture
3. Livestock Keeping
 1. Describe how pastoralism, sedentary and commercial livestock keeping are practiced
 2. Explain the benefits and constraints of livestock keeping practices
 3. Compare livestock keeping between Australia and Tanzania
 4. Describe livestock keeping as practiced in different communities in Tanzania

3. Water Management For Economic Development

1. Importance of Water
 1. Explain uses and economic importance of water
 2. Describe the relationship between family size, water supply and quality of life
 3. Explain the relationship between vegetation and water supply
 4. Explain how distance to water sources from household affects the girl child
2. River Basin Development
 1. State the benefits of developing river basins
 2. Explain the organization, benefits, problems faces and prospects of Rufiji Basin Development Authority (RUBADA) and Tennessee River Valley Authority

3. Land Reclamation
 1. Explain the major aims for land reclamation
 2. Describe the techniques used in land reclamation
 3. Explain land reclamation process in Tanzania
4. Sustainable Use of Water Resources
 1. Explain the types of underground water and how it can be tapped for use at local and national levels in Tanzania
 2. Differentiate different resources that are obtained from Water
 3. Describe methods used for extracting resources from water
 4. Explain the problems caused by extraction of water resources
5. Water Pollution
 1. Define pollution
 2. Differentiate the main sources of water pollution
 3. Describe various ways of conserving water resources

4. Sustainable Use Of Forest Resources

1. Types of Forestry Resources
 1. Identify types of forests
 2. Locate the distribution of forests by type
 3. Explain factors for distribution of forests
2. Importance of Forestry Resources
 1. Describe the importance and values of forests in social and economic life
 2. Explain the importance of forests in ecological and environmental balance
3. Important Areas of Forest Products, their Transport and Use in the World
 1. Identify important countries in timber production
 2. Explain the means of transportation and problems of timber transportation in the world
4. Problems Associated with Forestry Resources Harvesting
 1. Describe the problems facing forestry resources harvesting
 2. Describe ways to address problems facing forests in the world

5. Sustainable Mining

1. Types of Mining Industries
 1. Name different types of mining industries
2. Types and Distribution of Mining Regions in the World
 1. Explain major types of minerals found in the world
 2. Locate mining regions in the world map and the type of minerals extracted
3. Methods of Mining
 1. Categories of various ways of mining
 2. Explain ways of processing different types of minerals
4. Contribution of Mining Industry to the Economy of Tanzania
 1. Explain the economic importance of mining to the economy of Tanzania
5. The effects of the Mining Industry in the Environment
 1. Describe the effects of mining to the environment
 2. Propose ways of minimizing effects of mining to the environment
6. Focal Studies
 1. Oil production in the Middle East
 2. Natural gas production in Tanzania

3. Describe advantages of oil production in the Middle East and natural gas production in Tanzania

6. Tourism

1. Concept of Tourism
 1. Define tourism
2. Factors for the Development and Growth of the Tourism Industry in the World
 1. Describe factors which have contributed to the development and growth of tourism in the world
3. Importance of Tourism in the World
 1. Explain the importance of tourism in the world
 2. Identify impact of tourism in the world
 3. State ways of addressing the negative impact of tourism
4. Focal Studies on Tourism Industry
 1. Describe factors for the development of tourism in Switzerland, Namibia and Tanzania
 2. Explain the importance of tourism in Switzerland, Namibia and Tanzania
 3. Identify problems facing tourism industry in Tanzania
 4. Explain methods used to increase the income of tourism industry in Tanzania
 5. Discuss the lessons that can be drawn to promote tourism industry in Tanzania

7. Manufacturing Industry

1. Concept and Importance of Manufacturing Industries
 1. Define manufacturing industry
 2. Explain the importance of manufacturing industry
2. Types of Manufacturing Industries
 1. Describe the types of manufacturing industries in East Africa
 2. Identify products of each type of manufacturing industry
3. Factors for Location of Industries
 1. Name factors necessary for location of industries
 2. Explain how each pollutant affects the environment, industrial employees and the communities around the plant
4. Focal Studies
 1. Explain the production of cars in Japan, electronic equipment in South Korea and textiles in Tanzania
 2. Identify lessons from Japan and South Korea industries for Tanzania

8. Sustainable Use Of Power And Energy Resources

1. Power and Energy
 1. Define power and energy
2. Major Sources of Power
 1. Identify the major sources of power and energy
 2. Describe the origin of different types of energy and power sources
3. Methods of Acquiring or Extracting Power and Energy
 1. Explain methods of acquiring/extracting power and energy
4. Importance and Use of Power and Energy Resources

1. Explain the use and importance of these types of power resources
5. Problems Facing Power and Energy Production
 1. Discuss the problems facing the process of power and energy harnessing
 2. Suggest ways of addressing power and energy harnessing
6. Focal Studies; Solar and Wind Power in U.S.A Hydroelectric Power and Biogas in Tanzania
 1. Evaluate the importance of power and energy resources in the focal countries
 2. Summarize problems facing power and energy harnessing in focal countries
 3. Propose solutions to problems facing power and energy harnessing in focal countries
 4. Draw successful lessons from countries for better harnessing of power and energy resources in Tanzania

9. Transport

1. Main Types of Transport
 1. Describe the main types of transport system at global and East African level
2. Importance of Transport
 1. Explain the importance of transport in Tanzania and East Africa
3. Problems Facing Transport Industry
 1. Identify problems facing transportation in East Africa
 2. Explain the measures to address transportation problems in Tanzania

Form Three

1. Structure Of The Earth

1. The Earth's Crust, The Mantle, The Core and their Respective Characteristics
 1. Identify concentric zones of the earth
 2. Account for the variation in density and thickness of the concentric zones of the earth's crust
 3. Describe the characteristics of the earth's crust, the mantle and the core
2. Types of Rocks of the Earth's Crust
 1. Identify types of rocks of the earth's crust
 2. Explain the mode of formation for each type of rocks and their economic importance
3. Simplified Geological Time Scale
 1. Describe the geological time scale

2. Forces That Affect The Earth

1. Forces Causing Earth Movements
 1. Explain the forces which cause earth movement and their origin
2. Radial/Vertical Movement
 1. Describe the vertical/radical movement
 2. Identify the resulting features from the vertical movement
3. Lateral or Horizontal Movement
 1. Explain how horizontal movements take place
 2. Identify different features produced by horizontal forces
4. Vulcanicity
 1. Differentiate vulcanicity from volcanicity
 2. Explain causes of vulcanicity and resulting features
 3. Classify features resulting from the processes of vulcanicity
 4. Locate the distribution of major volcanic zones in the world
 5. Assess the economic importance of volcanoes
5. Earth-quakes
 1. Define earthquake, epicenter and focus
 2. Describe how earthquake can be detected
 3. Explain the causes and effects of earthquake
 4. Locate the possible areas where earthquake is likely to occur on the world map
6. External Forces
 1. Define mass wasting
 2. Identify types of mass wasting
 3. Describe the factors which cause mass wasting
 4. Assess the effects of mass wasting to the environment
7. Weathering
 1. Define the term weathering
 2. Identify types of weathering
 3. Differentiate weathering processes

4. Assess the significance of weathering
8. Erosion and Deposition by Running Water, Ice, Wind and Wave Action
 1. Define the concept of erosion and deposition
 2. Examine how agents of erosion and deposition operate on the landscape
 3. Examine erosional and Depositional Features for each Agent
 4. Assess the importance of erosional and depositional features to human beings
9. Artificial Forces
 1. Explain the meaning of artificial forces that cause earth movements
 2. Describe causes and effects of artificial forces

3. Soil

1. Soil Formation
 1. Define soil
 2. Describe factors for soil formation
 3. Assess the importance of Soil
2. Soil Composition and Properties
 1. Illustrate soil composition and properties
3. Soil Profile and Characteristics
 1. Define soil profile
 2. Illustrate soil profile and its characteristics
4. Simple Soil Classification
 1. Classify soil according to textural groups
5. Soil Erosion
 1. Define soil erosion
 2. Examine how agents of soil erosion work
 3. Describe types and effects of erosion to social and economic activities
 4. Relate population growth and rate of soil erosion on the quality of life
 5. Demonstrate ways of controlling soil erosion through the application of various conservation techniques

4. Elementary Survey And Map

1. Meaning and Types of Survey
 1. Explain the meaning of simple land survey
 2. Explain the types of simple land survey
2. Chain Survey
 1. Describe chain/tape survey
 2. Explain different types of equipment used in chain/tape surveying
 3. Practice chain/tape surveying activities at school level
 4. Explain the importance of survey

5. Map Reading And Map Interpretation

1. Concept of Map Reading
 1. Explain the concept of map and its importance to social economic activities
 2. Identify essentials of a map
2. Reading and Interpreting Topographical Maps
 1. Recognise features on a map

2. Generate information from maps
3. Interpret information in relation to daily activities

6. Photograph Reading And Interpretation

1. Types of Photographs
 1. Identify types of photographs
 2. Differentiate between ground, vertical and oblique photographs
2. Reading and Interpreting Photographs
 1. Read features presented on photographs
 2. Identify natural and manmade features in the fore, middle and background of the photograph
 3. Interpret features presented on the photograph

7. Application Of Statistics

1. Concept of Statistics
 1. Explain the concept of statistics
 2. Differentiate types of statistical data
 3. Present data graphically
 4. Explain the importance of statistics to the user
 5. Describe how massive data can be summarised
2. Simple Statistical Measures and Interpretation
 1. Describe methods of presenting simple and mixed data
 2. Calculate the mean, mode and median
 3. Explain the significance of mean, mode and median
 4. Interpret data using simple statistical measures

Form Four

1. Introduction To Research

1. Concept of Research
 1. Explain the meaning of research
 2. Assess the importance of research in daily life
2. States of Research Work
 1. Describe research stages in conducting a research
 2. Conduct research
 3. Explain the use of research output and recommendations

2. Climate And Natural Region

1. World Climatic Types and their Characteristics
 1. Describe major climatic types of the world and their characteristics
 2. Explain how different geographical factors influence climate
2. Natural Regions of the World
 1. Identify different types of natural regions
 2. Draw a world map showing different natural regions
 3. Explain the relationship between human activities and climate
 4. Propose ways of solving climatic problems

3. Human Population

1. Concept of Population
 1. Define the term population
 2. Describe characteristics of human population
 3. Explain the importance of studying population
2. Population Distribution
 1. Describe factors governing human population distribution
3. Population Change
 1. Define Population Change
 2. Explain factors which influence population change
 3. Analyse the effects of population change to an individual and the nation
4. Population Data
 1. Explain the sources of population data
 2. Interpret population data
 3. Explain the uses of population data
5. Population Problems
 1. Analyse population problems
 2. Analyse the effects of the population change on economic growth, labour, human needs and investment, and suggest possible solutions
6. Population Policy
 1. Explain the meaning of population policy
 2. Compare the national population policy on family planning strategies in Tanzania to the population policies of other countries

4. Settlements

1. Concepts of Settlement
 1. Define settlement
 2. Explain categories, types and characteristics of settlements
 3. Explain the functions of settlements and their importance
2. Growth of settlements
 1. Analyse factors which lead to growth of settlements
 2. Assess social and economic problems associated with urban growth
 3. Suggest ways of solving existing problems related to urban growth

5. Environmental Issues And Management

1. The Concept of Environment
 1. Explain the meaning of environment
2. Importance of Environment
 1. Explain the importance of environment
3. Environmental Problems
 1. Identify environmental problems
 2. Analyse the causes, extent and effects of the loss of biodiversity
 3. Analyse the causes, extent and effects of pollution and waste mismanagement
 4. Explain the causes, extent, effects of fast rate of population and urban growth on environment
 5. Examine causes, extent and impacts of desertification
 6. Explain the impact of poverty on environment
 7. Analyse causes and consequences of global climatic change on environment
4. Environmental Conservation
 1. Define Environmental Conservation
 2. Analyse various ways of conserving the environment
 3. Practice environmental conservation and management at school level