



INTERNATIONAL SCHOOL OF SOUTH AFRICA

FORM 1 – UPPER 6 YEARLY OVERVIEW

GEOGRAPHY

RATIONALE

Geography has utilitarian and aesthetic value to the educational experience of students and can be understood through a number of scales. Geography is an exciting, all-encompassing discipline that allows one to understand the earth and everything in, under, over and on it. It is reminders of yesterday, realities of today, and dreams of tomorrow. Students are able to recognise the responsibilities they have in relation to other people, the environment, and the long-term sustainability of the planet.

Key concepts covered include:

1. **Space:** the implications of spatial distributions and patterns of a range of physical and human geographical phenomena.
2. **Scale:** the significance of spatial scale in interpreting environments, features and places from local to global, and time scale in interpreting change from the geological past to future scenarios.
3. **Place:** the importance of physical and human characteristics which create distinctive places with different opportunities and challenges.
4. **Environment:** how the interactions between people and their environment create the need for environmental management and sustainability.
5. **Interdependence:** how the complex nature of interacting physical systems, human systems and processes create links and interdependencies.
6. **Diversity:** the significance of the similarities and differences between places, environments and people.
7. **Change:** the importance of change and the dynamic nature of places, environments and systems



OUTLINE OF FORM 1

TERM 1

Introduction to Physical, Human and environmental Geography

- locating places
- Descriptive Statistics : graphs
- ICT/ GPS

WEATHER AND CLIMATE

- Observing and recording weather elements
- Microclimate
- South Africa's weather

TERM 2

WATER CYCLE AND RIVERS

- Hydrological cycle
- Drainage basin
- Watershed
- River flooding
- Flood management

SETTLEMENTS

- Functions of settlements
- Settlement site
- Settlement patterns
- Settlement growth
- settlements dynamics



TERM 3

TRANSPORT

- Modes of transport
- Development in Transport
- Traffic in urban areas- problems and solutions.

GEOGRAPHY OF SPORT

- International sports, Football and Olympics Games
- Jobs in sports

OUTLINE OF FORM 2

TERM 1

Introduction to Geomorphology and fluvial processes

- Weathering
- Erosion
- Transportation
- Deposition
- Coastal Erosion

TERM 2

Farming

- Commercial Vs Subsistence
- Shifting/ Nomadic Vs Sedentary
- Organic Vs inorganic



Industry

- Industrial location Factors
- Iron and steel industry
- car industry
- high technology industries

Population and Migration

- Push and pull factors
- Population distribution
- Population structure
- Population dynamics

TERM 3

Global warming

- Causes
- Impacts
- Management

Map reading:

- direction
- distance
- use map symbols
- Four figure grid reference
- height shown on a map
- contours
- Relief : Physical features



OUTLINE OF FORM 3

TERM 1

Earthquakes and volcanoes

Rivers

TERM 2

Coasts

Weather

Climate and natural vegetation

- equatorial
- hot desert

TERM 3

Tourism

OUTLINE OF FORM 4

TERM 1

Population dynamics

Migration

Population structure

Population density and distribution

Settlements and service provision

Urban settlements

Urbanisation



TERM 2

Coasts

Weather

- Tri-cellular model

Climate and natural vegetation

- equatorial
- hot desert

TERM 3

Map skills

Scale

Grid referencing

Compass direction

Distance

Calculating gradient

Height

Cross section

Relief



OUTLINE OF FORM 5

TERM 1

Alternative to coursework

Hypothesis formulation

Types of Research design

Reliability and validity

Population and Sampling methods

Data collection methods

Data presentation and interpretation

Data analysis and conclusions

TERM 2

Map skills: Scale, Grid referencing, Compass direction, Distance, Calculating gradient, Height, Cross section, Relief

Earthquakes and volcanoes

River processes

Coasts

- Erosion, Transportation and deposition
- Coral reefs
- Landforms
- Hazards
- Coastal management: Hard and soft engineering



Weather

Climate and natural vegetation

- equatorial
- hot desert

Tourism

TERM 3

Population and settlement

OUTLINE OF AS LEVEL

TERM 1

Hydrology and fluvial geomorphology

Atmosphere and weather

Rocks and weathering

TERM 2

Population

Migration

Settlement dynamics

TERM 3

Settlement dynamics

OUTLINE OF A LEVEL



TERM 1

Hazardous environments

- Tectonic processes
- Mass movements
- Atmospheric disturbances
- Sustainable management

Hot arid and semi- arid deserts

- Climates
- Landforms
- Soil and vegetation
- Sustainable management

Coastal environment

Tropical environment

TERM 2

Production, Location and change

- Systems and food production
- Agricultural change
- Service industry
- Manufacturing industry



Environmental management

- Sustainable energy supply
- Energy management
- Degradation
- Management of degraded environments

Global interdependence

Economic transition

TERM 3

Environmental management

- Environmental degradation
- Management of degraded environments

Hazardous environments

- Mass movements
- Atmospheric disturbances
- Sustainable management