

IN SEARCH OF GEOGRAPHY

Overview of topics for teaching Geography Grades 10 – 12

Term	Grade 10	Grade 11	Grade 12
1	<p>The atmosphere</p> <ul style="list-style-type: none"> Composition and structure of the atmosphere Heating of the atmosphere Moisture in the atmosphere Reading and interpreting synoptic weather maps <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Using atlases Fieldwork and practical work 	<p>The atmosphere and hydrosphere</p> <ul style="list-style-type: none"> The Earth's energy balance Global air circulation Africa's weather and climate Drought and desertification Reading and interpreting synoptic weather maps <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Aerial photographs and orthophoto maps 	<p>Climate and weather</p> <ul style="list-style-type: none"> Mid-latitude cyclones Tropical cyclones Subtropical anticyclones Valley climates Urban climates Reading and interpreting synoptic weather maps <p>Geomorphology</p> <ul style="list-style-type: none"> Drainage systems in South Africa Fluvial processes Catchment and river management <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Mapwork techniques Atlas work Geographical Information Systems
2	<p>Geomorphology</p> <ul style="list-style-type: none"> The structure of the Earth Plate tectonics Folding and faulting Earthquakes Volcanoes <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Using atlases Mapwork skills 1:50 000 topographic maps 	<p>Geomorphology</p> <ul style="list-style-type: none"> Topography associated with horizontally layered rocks Topography associated with inclined/tilted rock strata Topography associated with massive igneous rocks Slopes Mass movements and human responses <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Map techniques Fieldwork 	<p>Rural Settlement</p> <ul style="list-style-type: none"> Study of settlements Rural settlements Rural settlement issues <p>Urban Settlement</p> <ul style="list-style-type: none"> Urban settlements Urban hierarchies Urban structure and patterns Urban settlement issues <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Geographical Information Systems Mapwork techniques
3	<p>Population</p> <ul style="list-style-type: none"> Population distribution and density Population structure Population growth 	<p>Development Geography</p> <ul style="list-style-type: none"> The concept of development Frameworks for development 	<p>Economic Geography of SA</p> <ul style="list-style-type: none"> Structure of the economy Agriculture Mining Secondary and tertiary

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	<ul style="list-style-type: none"> Population movements HIV and AIDS <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Using atlases 	<ul style="list-style-type: none"> Trade and development Development issues and challenges Role of development aid <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Mapwork skills Using atlases 	<p>sectors</p> <ul style="list-style-type: none"> Strategies for industrial development Informal sector <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Map use and map skills; Mapwork techniques; GIS
4	<p>Water resources</p> <ul style="list-style-type: none"> Water in the world The world's oceans Water management in South Africa Floods <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Using atlases Geographical Information Systems (GIS) 	<p>Resources and sustainability</p> <ul style="list-style-type: none"> Using resources Soil and soil erosion Conventional energy sources and their impact on the environment Non-conventional energy sources Energy management in South Africa <p>Geographical skills and techniques</p> <ul style="list-style-type: none"> Geographical information systems 	<p>Revision</p> <ul style="list-style-type: none"> Climate and weather Geomorphology Settlement Geography Economic Geography of SA Geographical skills and techniques