basic education
Department:
Basic Education
REPUBLIC OF SOUTH AFRICA

2023/24 ANNUAL TEACHING PLANS: GEOGRAPHY (INLAND): GRADE 10 (TERM 1)

TERM 1	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPICS	**Consolidation of Grade 8 and 9 map skills**		**Composition and structure of the atmosphere**	**Heating of the atmosphere**	**Heating of the atmosphere**	**Heating of the atmosphere**	**Moisture in the atmosphere**	**Reading and interpreting synoptic weather maps**	**Reading and interpreting synoptic weather maps**	**Reading and interpreting synoptic weather maps**	**Revision and assessment**
CONCEPTS, SKILLS AND VALUES	**1: 10 000 orthophoto maps* Vertical aerial photographs** (Review Grade 8) • Orthophoto images made from aerial photographs • How height is shown on orthophoto maps • Contour lines on orthophoto maps • Identifying features **1: 50 000 topographic maps** **Read map symbols to identify:** • Natural features on topographic maps • Constructed features on topographic maps • Height clues on topographic maps • Contour patterns showing river valleys, hills, mountains, ridges and spurs **Scale and measuring distance** on topographic maps using line and ratio scales **Co-ordinates to locate features** Information from maps and photographs Interpret information from topographic and **orthophoto maps** and aerial photographs: • Describe landscape • Identify land use • Settlement patterns – identify shape, size, location **Using atlases**		The composition and structure of the atmosphere **The ozone layer:** • Causes and effects of ozone depletion • Ways to reduce ozone • Importance of the atmosphere depletion **Topographic maps** • Conventional signs and symbols • Navigating position using compass directions (16 points) **Using atlases**	Processes associated with the heating of the atmosphere **Topographic maps:** • Direction: True and magnetic bearing • Landforms and contours • Simple cross-sections • locating exact position – degrees, minutes and seconds • Scale: Word **Using atlases** **NB: Fieldwork: Introduction of the concept**	**Factors that affect the temperature of different places around the world:** • Latitude • Altitude • Ocean currents • The distance from oceans **Using atlases and fieldwork** **Topographic maps and orthophoto maps**: Mapwork skills: Ratio, fraction and line scale	The greenhouse effect Global warming The impact of climate and climate change on Africa's environment and people **Topographic maps and orthophoto maps.** and orthophoto maps Photographs of landscapes Oblique and vertical aerial photos Orthophoto maps to be used in conjunction with 1:50 000 maps and aerial photos	Water in the atmosphere in different forms Processes associated with evaporation, condensation and precipitation **Using atlases and fieldwork** **Geographical Information Systems (GIS)** Concept of GIS Components of GIS Reasons for the development of GIS Concept of remote sensing How remote sensing works Satellite images related to meteorology and climatology	**Weather elements**: Temperature Dew-point temperature Cloud cover Wind direction Wind speed Atmospheric pressure **Using atlases and fieldwork** Collecting and recording data using a variety of techniques: Using weather instruments and collecting weather information from the media Processing, collating and presenting fieldwork findings: Line graphs, bar graphs, maps, diagrams, synoptic weather maps and temperature graphs	The concepts of dew point, condensation level, humidity, relative humidity How and why clouds form Cloud names and associated weather conditions **Focus on the use of synoptic weather map** Mapwork: Using maps and other graphical representations – atlases and synoptic weather maps	**Reading and Interpreting synoptic weather maps** Types of precipitation: Rain, drizzle, thunderstorms, hail and snow, as illustrated on station models Reading and interpreting a selection of synoptic weather maps Different forms of precipitation – hail, snow, rain, dew, frost Mechanisms that produced different kinds of rainfall –relief, convectional and frontal	
REQUISITE PRE-KNOWLEDGE			Grade 9 Natural Science: Structure and composition of the atmosphere	Grade 8: World climate zones Greenhouse effect		Weather maps in newspapers and weather forecasts					
RESOURCES (OTHER THAN TEXTBOOK)	Topographic maps, orthophoto maps, oblique and vertical photographs, satellite images		Synoptic weather maps, video clips, climate maps in an atlas, Windy app, weather and radar			Video clips, newspaper articles, rainfall graphs	Video clips, newspaper articles, rainfall graphs, atlas, case studies				
MAP INTEGRATION (USE MAPS AVAILABLE IN YOUR SCHOOL)				• Maps in atlases showing temperature change statistics with regard to latitude, altitude, distance from the ocean and ocean currents • Examples of topographic maps showing mountains for application of the influence of height on temperature: Synoptic weather maps			• Symbols representing precipitation, cloud types and different kinds of rainfall • A variety of synoptic weather maps showing summer and winter conditions • Interpretation of weather stations		Use of a variety of synoptic weather maps throughout the lesson presentation		
INFORMAL ASSESSMENT (CONTENT AND MAPWORK)	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	
SBA (FORMAL ASSESSMENT)							.		**TASK 1: MAPWORK (60)**	**TASK 2: CONTROLLED TEST (60)** **DISCUSS ARGUMENTATIVE ESSAY TOPICS OF AND PROVIDE GUIDELINES ON COLLECTION OF DATA**	

2023/24 ANNUAL TEACHING PLANS: GEOGRAPHY (INLAND): GRADE 10 (TERM 2)

TERM 2	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPICS	**The structure of the earth**	**Plate tectonics**		**Folding and faulting**		**Earthquakes**			**Volcanoes**		**Revision and assessment**
CONCEPTS, SKILLS AND VALUE	The internal structure of the earth Classification of rocks – igneous, sedimentary and metamorphic **Mapwork skills: Contour lines:** Concept of contour lines (identification of different landforms associated types of rocks)	Changes in the position of continents over time Evidence for the movement of continents over time Plate tectonics – an explanation for the movement of continents **The world's volcanic and earthquake zones** **Mapwork skills: Contour lines**: • Landforms and contours • World map showing location plates and plate boundaries (including folding and faulting)		The process of rock folding The process of faulting Different types of faults Landforms associated with faulting **Mapwork skills: Landforms and contour lines:** Locating exact position using degrees and minutes and seconds		How and where earthquakes occur Measuring and predicting earthquakes **Mapwork skills:** **1:50 000 referencing system:** Conventional signs and symbols World maps showing the ring of fire and location of earthquakes	How earthquakes and tsunamis affect people and settlements – differences in vulnerability **Mapwork skills:** Navigating position using compass direction	Strategies to reduce the impact of earthquakes Case examples of the effects of selected earthquakes **Mapwork skills**: **Direction:** True bearing and magnetic bearing	Types of volcanoes Structure of volcanoes **Mapwork skills** World maps showing the ring of fire and location of volcanoes Simple cross section	Impact of volcanoes on people and the environment Use of case studies (volcanoes) **Mapwork skills** Simple cross section Locating physical and constructed features	
REQUISITE PRE-KNOWLEDGE	**Grade 7:** The structure of the earth **Grade 9 (Natural Science):** The lithosphere, the rock cycle	**Grade 7:** Plate tectonics and introduction to folding and faulting				**Grade 7-9:** Local aerial maps **Grade 7:** Recent earthquakes and volcanic eruptions in the news .					
RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING	Atlases, video clips, photographs, maps showing location, newspaper articles			Atlases, video clips, photographs, maps showing location, newspaper articles		Topographical maps, orthophoto maps			Atlases showing aerial photographs		
INFORMAL ASSESSMENT (CONTENT AND MAPWORK)	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	
SBA (FORMAL ASSESSMENT)	**TASK 3: ESSAY** **Issued in the Term 1 (7 weeks)** **Learners to be guided on the step-by-step process of writing an argumentative essay and to be checked continuously**							**Submission and recording of argumentative essay issued in Term 1**			**TASK 4:** **MID-YEAR EXAM (150)**

2023/24 ANNUAL TEACHING PLANS: GEOGRAPHY (INLAND): GRADE 10 (TERM 3)

TERM 3	WEEK 1	WEEK 2	WEEK 3	WEEK 4	WEEK 5	WEEK 6	WEEK 7	WEEK 8	WEEK 9	WEEK 10	WEEK 11
CAPS TOPICS	**Population distribution and density**		**Population structure**			**Population growth**	**Population growth**	**Population movements**	**Population movements**	**Population movements**	**Revision and assessment**
CONCEPTS, SKILLS AND VALUES	Meaning of population distribution and population density **Map skills and GIS:** Maps showing distribution of population in Atlases: Factors that affect population density	Factors that affect distribution and density of the world's population **Map skills:** Identification of low- and high-density areas on a topographical map	• Population indicators • Factors that influence population indicators • Population structure – age, sex and gender represented as population pyramids **Map skills and GIS:** Components of GIS: • Concept of remote sensing • Maps showing distribution of population in atlases: Factors that affect population density			World population growth over time **Map skills and GIS:** • Identification of features on a topographical map and orthophoto maps • Maps with info graphics showing population growth over time	Concept of overpopulation Managing population growth **Map skills and GIS**: Satellite images that are related to population topics	Kinds of population movement (the use of cases studies to illustrate topics below is essential) **Map skills revision:** **1: 10 000 orthophoto maps* and vertical aerial photographs:** Orthophoto images made from aerial photographs How height is shown on orthophoto maps Contour lines on orthophoto maps Identifying features	Causes and effects of population movements **Map skills revision:** **1: 50 000 topographic maps** **Read map symbols to identify**: Natural features on topographic maps Constructed features on topographic maps Height clues on topographic maps Contour patterns showing river valleys, hills, mountains, ridges and spurs	Temporary and permanent Attitudes to migrants and refugees **Map skills revision:** **Scale and measuring distance on topographic maps**: Using line and ratio scales **Co-ordinates to locate features** Information from maps and photographs Interpret information from topographic maps	
REQUISITE PRE-KNOWLEDGE	**Grade 7:** • Population indices and birth, death and growth rates, as well as factors influencing these • World population growth								Knowledge from news, magazines		
RESOURCES	Video clips, statistics and graphs, case studies, atlases, magazines, Google Maps and sagta.org.za maps (A3 digital maps, topographic maps and orthophoto maps)										
INFORMAL ASSESSMENT (CONTENT AND MAPWORK)	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities	Minimum of 3 data response tasks/activities
SBA (FORMAL ASSESSMENT)	**CONTINUOUS PREPARATION AND REVISION FOR CONTROLLED TEST**									**TASK 5: CONTROLLED TEST (60)**	

2023/24 ANNUAL TEACHING PLANS: GEOGRAPHY (INLAND): GRADE 10 (TERM 4)

<table>
<tr><th>TERM 4</th><th>WEEK 1</th><th>WEEK 2</th><th>WEEK 3</th><th>WEEK 4</th><th>WEEK 5</th><th>WEEK 6</th><th>WEEK 7</th><th>WEEK 8</th><th>WEEK 9</th><th>WEEK 10</th></tr>
<tr><td>CAPS TOPICS</td><td colspan="3">Water management in South Africa</td><td colspan="2">Floods</td><td colspan="5"></td></tr>
<tr><td>CONCEPTS, SKILLS AND VALUES</td><td>Rivers, lakes and dams in South Africa
Factors influencing the availability of water in SA
Mapwork skills:
Atlases
Topographic maps
Landforms and contours
Aerial photographs and orthophoto photographs of landscapes
Map showing % water and % land in the world</td><td>Challenges of providing free basic water to rural and urban communities in SA
Role of government: Initiatives towards securing water – inter-basin transfers and building dams
Mapwork skills:
Atlases
Oblique and vertical aerial photos and orthophoto maps to be used in conjunction with 1:50 000 maps and aerial photos</td><td>Role of municipalities in water provision and water purification
Strategies for sustainable use of water and the role of government and individuals
Mapwork skills
Identification of water sources on topographical and orthophoto maps
Geographical Information Systems (GIS)
GIS concepts: Spatial objects, lines, points, nodes and scales</td><td>Causes of flooding – physical and human
Characteristics of floods: Basic understanding of analysis and interpretation of flood hydrographs (not for exam purposes)
Mapwork skills
Topographic maps
Landforms and contours
Aerial photographs and orthophoto photographs of landscapes</td><td>Managing flooding in urban, rural and informal settlement areas
Case study of a flood in South Africa
Revision of mapwork skills
Longitude and latitude (coordinates)
Degrees, minutes and seconds
Direction: True and magnetic bearing
Distance: Measuring distance on maps and converting to ground distance, straight line and curved</td><td colspan="5" rowspan="4"><table><tr><td>PAPER 1</td><td>PAPER 2</td></tr><tr><td>Marks: 150</td><td>Mark: 150</td></tr><tr><td>Time: 3 hours</td><td>Time: 3 hours</td></tr><tr><td>Question 1
The atmosphere: 60 marks
Short objective questions (15 marks)
Three questions of 15 marks each on the atmosphere
NB: ONE paragraph question of 8 marks in any of the three sub-questions
Question 2
Geomorphology: 60 marks
Short objective questions (15 marks)
Three questions of 15 marks each on geomorphology
NB: ONE paragraph question of 8 marks in any of the three sub-questions
Question 3
Mapwork: 30 marks
• Map skills and calculations (10 marks)
• Map interpretation (12 marks)
• GIS (8 marks)</td><td>Question 1
Population: 60 marks
Short objective questions (15 marks)
Three questions of 15 marks each on population geography
NB: ONE paragraph question of 8 marks in any of the three sub-questions
Question 2
Water resources: 60 marks
Short objective questions (15 marks)
Three questions of 15 marks each on water resources of South Africa
NB: ONE paragraph question of 8 marks in any of the three sub-questions
Question 3
Mapwork: 30 marks
• Map skills and calculations (10 marks)
• Map interpretation (12 marks)
• GIS (8 marks)</td></tr></table></td></tr>
<tr><td>REQUISITE PRE-KNOWLEDGE</td><td colspan="3">Grade 4–7: Water in South Africa
Knowledge of recent drought and possibilities of water shortages in some areas of South Africa</td><td colspan="2">Grade 7: Flooding</td></tr>
<tr><td>RESOURCES (OTHER THAN TEXTBOOK) TO ENHANCE LEARNING</td><td colspan="3">Atlases, video clips, maps and newspaper articles</td><td colspan="2">Atlases, video clips, hydrographs, photographs, statistics and graphs</td></tr>
<tr><td>INFORMAL ASSESSMENT (CONTENT AND MAPWORK)</td><td>Minimum of 3 data response tasks/activities</td><td>Minimum of 3 data response tasks/activities</td><td>Minimum of 3 data response tasks/activities</td><td>Minimum of 3 data response tasks/activities</td><td>Minimum of 3 data response tasks/activities</td></tr>
<tr><td>SBA (FORMAL ASSESSMENT)</td><td colspan="5">PREPARATION AND REVISION FOR CONTROLLED TEST</td><td colspan="5">FINAL EXAMINATION</td></tr>
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