		SCHEME	SCHEME OF WORK FORM THREE GEOGRAPHY TERM ONE					
WK NO.	L/ NO.	TOPIC/ SUBTOPIC	LESSON OBJECTIVES	TEACHING / LEARNING ACTIVITIES	RESOURCES	REFERENCES	REMA	
1	1	STATISTICAL METHODS. Compound / Cumulative Bar Graphs.	By the end of the lesson, the learner should be able to: Highlight steps followed when constructing compound / cumulative bar graphs	Q/A to review basic statistical concepts, simple bar graphs; Exposition of steps followed when constructing compound e bar graphs.		Certificate Geography Book III Pg 1-2		
	2	Compound / Cumulative Bar Graphs.	Construct compound / cumulative bar graphs.	Copy and complete tables of variables. Worked example; Supervised practice.	Graph papers, Calculators.	Certificate Geography Book III Pg 2-3		
	3	Compound / Cumulative Bar Graphs.	Interpret compound/ cumulative bar graphs. State advantages and disadvantages of compound/ cumulative bar graphs.	Probing questions & brief discussion.		Certificate Geography Book III Pg 3-4		
	4	Simple Pie charts (Divided Circle) construction.	Construct simple pie charts.	Students determine value of angles for the variables. Guided activity & Brief discussion.	Calculators.	Certificate Geography Book III Pg 14		

2	1	Simple Pie charts (Divided Circle) interpretation.	Interpret simple pie charts State advantages and disadvantages of simple pie charts.	Guided discovery; Written exercise.	Calculators.	Certificate Geography Book III Pg 8-11
2	2	Proportional circles.	Interpret proportional circles.	Teacher explains the steps followed to construct proportional circles. Students carry out some calculations. Discussion & Interpretations.	Calculators.	Certificate Geography Book III Pg 12-14
	3	Proportional circles.	Construct proportional circles.	Guided discovery; Written exercise.		Certificate Geography Book III Pg 10-11
	4	MAP WORK. Terms used & precautions observed when describing physical features & human activities.	Identify terms used to describe physical features & human activities represented in a map. Outline precautions observed when describing physical features & human activities.	Oral questions & detailed discussion.	Topographical maps.	Certificate Geography Book III Pg 14-16
3	1	Physical features.	Identify physical features.	Brain storming on features on topographical maps. Drawing illustrative diagrams; Discussion.	Topographical maps.	Certificate Book III Geography Pg 16-19

	2	Relief features.	Identify relief features on a map.	Locating relief features; Drawing illustrative diagrams; Discussion.		Certificate Book III Geography Pg 19-22
3	3	Land forms.	Identify landforms on a topographical map using contours. Identify types of vegetation on a topographical map.	Q/A & brief discussion; Supervised practical activity.	Topographical maps.	Certificate Book III Geography Pg 18-21
	4	Watersheds.	Identify watersheds on a map.	Locating watersheds; Drawing illustrative diagrams; Discussion.		Certificate Book III Geography Pg 23-25
4	1	Vegetation.	Identify types of vegetation.	Q/A & brief discussion: rolling, dissected, hilly landforms & valleys.	Topographical maps.	Certificate Book III Geography Pg 25
	2	Vegetation cover.	Interpret vegetation cover in terms of amount of rainfall received in the area, and the types of soils in the area.	Locate forests, thickets, and riverine trees on a map. Deduce amount of rainfall received and the likely types of soils in specific parts of an area.	Topographical maps.	Certificate Book III Geography Pg 25
	3	Drainage.	Identify natural /artificial hydrographic features in a map. Make deductions from the hydrographic features evident on the drainage of a given section in a map.	Detailed discussion on drainage of sections in the map. Deduce amount of rainfall received and nature of underground rocks, etc.	Topographical maps.	Certificate Book III Geography Pg 27-30
	4	Drainage patterns.	Describe drainage patterns of an area represented by a map.	Oral questions & brief discussion.	Topographical maps.	Certificate Book III Geography Pg 30

5	1	Drainage features.	Identify drainage features on a map. Describe formation of drainage features. Outline economic importance of drainage features.	Brief discussion & Q/A.	Topographical maps.	Certificate Book III Geography Pg 30-31
	2	Human and economic activities: Crop farming, livestock rearing & Mining & fishing.	Identify clues on a map that indicate presence of crop farming and livestock rearing. Identify clues on a map that indicate presence of mining and fishing.	Q/A & practical activities. Group activities.	Topographical maps.	Certificate Book III Geography Pg 31-32
	3	Manufacturing, Processing & Tourism.	Identify clues on a map that indicate manufacturing, processing and tourism in an area.	Q/A & practical activities.	Topographical maps.	Certificate Book III Geography Pg 32-33
	4	Settlement and administration.	Outline factors influencing settlement. Identify types of settlement patterns. Identify symbols for administrative boundaries.	Exposition of new concepts. Probing questions and discussion.	Topographical maps.	Certificate Book III Geography Pg 34
6	1	Transport & Communication.	Identify modes of transport & communication of an area as depicted in a topographical map.	Practical activities. Brief discussion.	Topographical maps.	Certificate Book III Geography Pg 35

6	2	Enlargement & Reduction of maps.	Enlarge / reduce a map or a section of a map using the square method.	Explanations & practical activities.	Topographical maps.	Certificate Book III Geography Pg 39-40
	3,4	Sections and profiles.	Define the term section as used in mapwork. Explain importance of sections in interpreting maps. Draw various types of sections and profiles.	Exposition & brief discussion. Guided practical activities.	Topographical maps.	Certificate Book III Geography Pg 41-44
7	1,	Vertical Exaggeration (VE), Gradient & Intervisibility.	Calculate VE of a map. Determine the steepness of a slope between two given points. Determine whether two points in a map are intervisible.	Guided calculations. Guided practical activities. Practical activity to determine intervisibility.	Topographical maps.	Certificate Book III Geography Pg 45-47
	3,4	TEST & M	ID-TERM BREAK			
8	1	WEATHERING Definition & Agents of weathering.	Define weathering. Identify agents of weathering. Explain factors that influence weathering.	Brain storming; Q/A & detailed discussion.		Certificate Book III Geography Pg 54-55

	2	Physical weathering.	Define physical weathering. Explain major forms of physical weathering.	Oral questions, brief discussion.	Certificate Book III Geography Pg 55-59	
	3,4	Chemical weathering.	Explain ways in which chemical weathering takes place.	Probing questions & discussion.	Certificate Book III Geography Pg 60-61	
9	1	Biological weathering. Importance of weathering.	Identify agents of biological weathering. Explain importance of weathering.	Probing questions & discussion.	Certificate Book III Geography Pg 61-64	
	2	MASS WASTING. Factors influencing mass wasting.	Define the term mass wasting & mass movement. Explain factors that influence mass wasting.	Q/A: review weathering. Discussion: factors affecting nature or speed of mass wasting & movement.	Certificate Book III Geography Pg 64-66	
	3	Slow mass wasting.	Describe slow processes of mass wasting.	Discussion: soil creep & talus creep. Q/A: factors that may trigger slow mass wasting.	Certificate Book III Geography Pg 66-68	
	4	Rapid mass wasting.	Describe rapid processes of mass wasting.	Exposition, Q/A & discussion.	Certificate Book III Geography Pg 68-71	
10	1	Effects of mass wasting.	Explain effects of mass wasting on physical and human environment.	Brief discussion. Highlight positive and negative effects.	Certificate Book III Geography Pg 71-72	

10	2	THE HYDROLOGI-CAL CYCLE. Input & output processes of the hydrological cycle.	Identify input and output processes of the hydrological cycle.	Q/A: forms of precipitation. Q/A & brief discussion on the major output processes.	Chart – the hydrological cycle.	Certificate Book III Geography Pg 73	
	3	Internal transfer processes of the hydrological cycle.	Describe movement of water in the atmosphere, land and oceans.	Exposition of new terms & brief discussion.		Certificate Book III Geography Pg 73	
	4	Storage processes of the hydrological cycle. Significance of the hydrological cycle.	Identify surface storages, ground water storage and the cyrosphere. Explain the significance of the hydrological cycle.	Exposition of new terms & brief discussion.		CCertificate Book III Geography Pg 73-74	
11	1	ACTION OF RIVERS. Terms related to action of rivers.	Define terms related to action of rivers.	Exposition of new terms & Q/A with reference to diagrams and contour maps.	Contour maps, diagrams in textbooks.	Certificate Book III Geography Pg 74-76	
	2	River erosion.	Describe the processes of river erosion.	Exposition of new terms, Explanations & detailed Discussion.		Certificate Book III Geography Pg 76-77	

11	3	Factors affecting river erosion.	Explain factors affecting the rate of river erosion.	Probing questions, Brief discussion & illustrative diagrams.	Illustrative diagrams.	Certificate Book III Geography Pg 77-78	
	4	River transportation.	Describe processes of river transportation of load.	Brief discussion with exposition of new concepts.		Certificate Book III Geography Pg 76-80	
12	1-2	River deposition.	Describe processes of river deposition of load.	Exposition of new concepts; Brief discussion.		Certificate Book III Geography Pg 80-85	
12- 13		END OF TERM ONE ASSESSMENT TEST					

		SCHEM	TE OF WORK FOR	RM THREE GEOGRAPH	IY TERM T	TWO	
WK NO.	L/ NO.	TOPIC/ SUBTOPIC	LESSON OBJECTIVES	TEACHING / LEARNING ACTIVITIES	RESOURCES	REFERENCES	REMARKS
1	1,2	The youthful stage of a river.	Identify features associated with the youthful stage of a river.	Detailed discussion and drawing of illustrative diagrams.	Diagrams in textbooks.	Certificate Book III Geography Pg 92, 77-83	
	3-4	Mature stage of a river.	Identify features associated with the mature stage of a river. Give examples of such features in Kenya.	Detailed discussion, drawing of illustrative diagrams.	Diagrams in textbooks.	Certificate Book III Geography Pg 83-84, 92	
2	1,2	The old stage of a river.	Identify features associated with the old stage of a river. Give examples of such features in Kenya.	Exposition, detailed discussion and drawing of illustrative diagrams & fieldwork.	Illustrative diagrams.	Certificate Book III Geography Pg 85-92	
	3	River capture.	Define the term river capture. Identify conditions favouring river capture. Give examples of river captures in Kenya.	Exposition, detailed discussion and drawing of illustrative diagrams.		Certificate Book III Geography Pg 93-94	

	4	River rejuvenation.	Cite reasons for river rejuvenation. Describe landforms that result from river rejuvenation.	Discussion with exposition and explanation of new terms.	Illustrative diagrams.	Certificate Book III Geography Pg 94-95
3	1,2	Drainage patterns.	Define the term drainage pattern. Describe various drainage patterns. Cite examples of specific drainage patterns in Kenya.	Review types of drainage patterns; Detailed discussion on types of drainage patterns; Illustrative diagrams & Give examples of specific drainage pattern.	Illustrative diagrams.	Certificate Book III Geography Pg 95-99
	3	Drainage systems.	Give types of drainage systems.	Exposition; Brief discussion.		Certificate Book III Geography Pg 99-101
	4	Significance of rivers and associated features.	Explain the <i>s</i> ignificance of rivers and associated features to humankind and a country.	Q/A, brief discussion, giving examples pf important specific features.		Certificate Book III Geography Pg 101-2
4	1	Lakes formed by tectonic movements and downwarping.	Explain formation of rift lakes. Explain formation of lakes by downwarping.	Q/A to review formation of the Rift Valley. Discuss & cite examples of such lakes.	Maps showing distribution of lakes.	Certificate Book III Geography Pg 177-8
	2	Lakes formed by volcanicity.	Explain formation of crater lakes and lava - dammed lakes.	Q/A to review volcanic action; Brief discussion.	Maps showing distribution of lakes.	Certificate Book III Geography Pg 178-180

4	3	Lakes resulting from erosion.	Explain formation of as a result of erosion.	Q/A and Brief discussion.	Maps showing distribution of lakes.	Certificate Book III Geography Pg 180
	4	Lakes resulting from glaciation.	Explain formation of lakes resulting from glaciation. Cite examples of lakes resulting from glaciation.	Brief discussion. Students refer to maps.	Maps showing distribution of lakes.	Certificate Book III Geography Pg 180
5	1	Lakes formed by deposition. & other modes.	Identify types of lakes formed by deposition. Cite examples of lakes formed by other modes.	Brief discussion, citing examples & locating them in the map.	Maps showing distribution of lakes.	Certificate Book III Geography Pg 181-2
	2	Significance of lakes.	Explain the significance of lakes to humankind and the country.	Oral questions and brief discussion. Topic assessment. / Assignment.		Bk III Cert. Geography Pg 182-4
	3	OCEANS, SEAS & COASTS Distinction between oceans and seas.	Distinguish between oceans and seas. Compare and contrast seas	Exposition. Q/A & discussion.	World map.	Bk III Cert. Geography Pg 104-5
		Nature of sea water.	and oceans. Describe nature of sea water.			
	4	Water movements in oceans.	Give reasons for vertical and horizontal movements of water.	Probing questions & explanations.		Cert. Bk III Geography Pg 106-

6	1	Major ocean currents.	State characteristics of major ocean currents. Give examples of some ocean currents.	Discussion and oral questions.		Cert. Bk III Geography Pg 182-4	
	2	Tides.	Describe causes of tides. Identify types of tides.	Probing questions & explanations.		Cert. Geography Pg 108-110	
6	3	Waves.	Describe formation of waves. Identify types of waves.	Explanations and oral questions.		Bk III Cert. Geography Pg 111-3	
	4	Wave action & resultant features.	Describe processes of wave erosion. Identify features resulting from wave action.	Explanations, probing questions & discussion. Refer to diagrams.	Illustrative Diagrams.	Bk III Cert. Geography Pg 113-6	
7	1-2	TEST & N	MID TERM BREAK				
	3	Wave transportation.	Describe features resulting from wave transportation.	Review river transportation; Brief discussion.		Bk III Cert. Geography Pg 116-7	
	4	Wave deposition.	Describe deposition by waves.	Review river deposition. Brief discussion.		Bk III Cert. Geography Pg 117-120	
8	1,2	Features resulting from wave deposition.	Describe features resulting from wave deposition.	Review river deposition. Brief discussion.		Bk III Cert. Geography Pg 120-122	
	3	Types of coasts: Submerged coasts.	Identify types of submerged coasts.	Explanations & illustrative diagrams.		Bk III Cert. Geography Pg 123-7	

	4	Emerged coasts.	Identify types of emerged coasts.	Explanations & illustrative diagrams.		Bk III Cert. Geography Pg 127-9	
9	1	Coral coasts.	Identify conditions necessary for growth of polyps. Identify types of coral reefs.	Discussion & illustrative diagrams.		Bk III Cert. Geography Pg 130-134	
	2	Significance of oceans, seas and coastal features.	Explain the significance of oceans, seas and coastal features to humankind and to a country / region.	Q/A, brief discussion.		Cert. Geography Bk III Pg 134-6	
	3	ACTION OF WIND AND WATER IN ARID AREAS. Processes of wind erosion.	Describe processes of wind erosion.	Discussion: abrasion, attrition & deflation processes of erosion. Exposition of new concepts.	Map of Africa showing distribution of arid zones.	Cert. Geography Bk III Pg 137-139	
	4	Features resulting from wind erosion.	Identify features resulting from wind erosion.	Explanations & drawing illustrative diagrams.		Cert. Geography Bk III Pg 139-142	
10	1,2	Wind transportation.	Explain the ways in which wind transports its load. State factors affecting wind transportation.	Exposition, explanations & illustrative diagrams.		Cert. Geography Bk III Pg 143-4	

	3,4	Features resulting from wind deposition.	Identify features resulting from wind deposition. Explain formation of wind deposition.	Exposition, explanations & drawing illustrative diagrams.		Cert. Geography Bk III Pg 144-7	
11	1	Action of water in arid areas.	describe action of water in arid areas.	Brain storming; Brief discussion.		Cert. Geography Bk III Pg 147	
	2,3	Resultant features of water action in arid areas.	Identify features resulting from action of water in arid areas.	Exposition, explanations and illustrative diagrams.	Illustrative diagrams.	Cert. Geography Bk III Pg 147-152	
	4	Significance of features in arid areas.	Explain the significance of features formed by water and wind action in arid zones.	Brain storming; Brief discussion.		Cert. Geography Bk III Pg 1523	
12-1 3			END OF SECO	ND TERM ASSESSMENT TEST			

		SCHEME OF WO	ORK FORM THREE	E GEOGRAPHY	TERM THREE		
WK NO.	L/ NO.	TOPIC/ SUBTOPIC	LESSON OBJECTIVES	TEACHING / LEARNING ACTIVITIES	RESOURCES	REFERENCES	REMARKS

1	1	ACTION OF WATER IN LIMESTONE AREAS. Surface and underground water.	Describe processes leading to surface and underground water.	Probing questions on sources of water, infiltration of water, etc. Brief discussion.	Cert. Geography Bk III Pg 154	
	2	Occurrence of underground water.	Explain factors, which affect the occurrence of underground water. Identify features resulting from underground water. Explain the importance of underground water.	Exposition & explanations. Probing questions.	Cert. Geography Bk III Pg 155-8	
	3	Significance of underground water.	Outline significance of underground water.	Brief discussion and probing questions.	Cert. Geography Bk III Pg 158	
	4	Karst landscape.	Describe development of a Karst landscape.	Explanations and illustrative diagrams.	Cert. Geography Bk III Pg 159	
2	1	Karst features.	Identify Karst features on the surface and underground. Explain the significance of Karst features.	Explanations and illustrative diagrams; Q/A & brief discussion.	Cert. Geography Bk III Pg 160-163	

2	2	GLACIATION				
		Types of glaciers.	Define the terms glaciation and glacier. Identify types of glaciers.	Brief discussion.		Cert. Geography Bk III Pg 1164-5
	3,4	Processes of glaciation and resultant features.	Describe the processes of glacial erosion, transportation and deposition.	Probing questions & Drawing illustrative diagrams.	Illustrative diagrams.	Cert. Geography Bk III Pg 166
3	1,2	Glaciation in highland areas.	Identify features formed by glaciation in highland areas. Describe formation of features by glaciation in highlands.	Exposition & explanations. Drawing diagrams.	Illustrative diagrams.	Cert. Geography Bk III Pg 166-8
	3,4	Glaciation in lowland areas.	Identify features formed by glaciation in lowland areas. Describe formation of features by glaciation in lowland areas.	Exposition & explanations. Drawing diagrams.	Illustrative diagrams.	Cert. Geography Bk III Pg 172-3
4	1	Significance of glaciation.	Highlight significance of glaciation.	Q/A and brief discussion.		Cert. Geography Bk III Pg 175-6
	2	SOIL.				
		Soil constituents.	Define the term soil. Describe composition of soil.	Q/A: review soil profile, soil structure, etc. Brief discussion.		Cert. Geography Bk III Pg 193-195
	3,4	Soil formation.	Explain processes through which soil is formed.	Q/A: review weathering. Detailed discussion & illustrative diagrams.		Cert. Geography Bk III Pg 195-6

5	1	Factors of soil formation.	Explain factors influencing soil formation.	Q/A & discussion.	Cert. Geography Bk III Pg 196-8
	2	Properties of soil.	Identify characteristics of soil.	Q/A & discussion & practical activities e.g. determining soil pH; water retention capacity, porosity, etc.	Cert. Geography Bk III Pg 198-202
	3,4	Soil degeneration within a locality.	Identify types & causes of soil degeneration.	Q/A: loss of soil fertility. Detailed discussion. Fieldwork.	
6	1	Soil degeneration.	Identify types & causes of soil degeneration in a specific area.	Fieldwork.	Cert. Geography Bk III Pg 208-210
	2	Agents of soil degeneration.	Identify agents of soil degeneration.	Brain storming; Brief discussion.	Cert. Geography Bk III Pg 210-1
	3	Effects of soil erosion.	Outline effects of soil erosion.	Brain storming; Brief discussion.	Cert. Geography Bk III Pg 211-2
	4	Types of soils:			
		Zonal order.	Identify types of soils of the zonal order. State characteristics of various types of soils of the zonal order.	Exposition & explanations.	Cert. Geography Bk III Pg 212

7	1-2	Azonal order.	Identify azonal order soils. State characteristics of various types of soils.	Exposition & explanations.	Cert. Geography Bk III Pg 213	
	3-4	TEST & N	MID – TERM BREAK			
8	1	Intrazonal order.	Identify types of soils of the intrazonal order. State characteristics of various intrazonal order soils.	Exposition & explanations.	Cert. Geography Bk III Pg 214	
	2	Soil conservation & management.	Identify soil conservation & management measures.	Brief discussion & assignment.	Cert. Geography Bk III Pg 215-8	
	3	AGRICULTURE				
		Factors influencing Agriculture.	Explain the factors influencing Agriculture.	Q/A: review various aspects of Agriculture, its importance, etc. Probing questions on factors affecting Agriculture; biotic, edaphic, economic, climate, etc.	Cert. Geography Bk III Pg 223-8	

	4	Types of Agriculture.	Identify various types of farming systems and methods. State characteristics of each type of farming system and method.	Q/A, detailed discussion. Cite examples where each type of farming is successful.	Cert. Geography Bk III Pg 229-238	
9	1	Tea farming in Kenya.	Identify major tea-growing areas in Kenya. State conditions necessary for tea growing. Describe cultivation, processing and marketing of tea in Kenya. Outline some achievements of KTDA. Highlight some problems facing tea farming in Kenya.	Brain storming; Probing questions; Brief discussion.	Cert. Geography Bk III Pg 241-8	
	2	Sugar cane growing in Kenya.	Identify major sugar cane-growing areas in Kenya. State conditions necessary for sugar cane growing. Describe cultivation, processing and marketing of sugar cane in Kenya. Highlight some problems facing sugar cane farming in Kenya.	Brain storming; Probing questions; Brief discussion; Assignments.	Cert. Geography Bk III Pg 248-254	

	3	Maize growing in Kenya.	Identify major maize-growing areas in Kenya. State conditions necessary for maize growing. Describe cultivation, processing and marketing of maize in Kenya. Highlight some problems facing maize farming in Kenya.	Brain storming; Probing questions; Brief discussion.	Cert. Geography Bk III Pg 254-260
	4	Cocoa in Ghana.	Identify major cocoa growing areas in Ghana. State conditions necessary for cocoa growing. Describe cultivation, processing and marketing of cocoa in Ghana. Highlight some problems facing cocoa growing in Ghana.	Oral questions, brief discussion & explanations.	Cert. Geography Bk III Pg 260-265
10	1	Oil palm in Nigeria.	Identify major oil palm-growing areas in Nigeria. State conditions necessary for oil palm growing in Nigeria. Describe cultivation, processing and marketing of oil palm in Nigeria. Highlight some problems facing oil palm growing in Nigeria.	Brain storming; Probing questions; Brief discussion.	Cert. Geography Bk III Pg 265-269

	2	Coffee in Kenya.	Identify major coffee growing areas in Kenya. State conditions necessary for coffee growing. Describe cultivation, processing and marketing of coffee in Kenya. Highlight some problems facing coffee farming in Kenya.	Q/A, brief discussion & Assignment.	Cert. Geography Bk III Pg 271-4	
10	3	Coffee in Brazil.	Identify conditions favourable for coffee farming in Brazil. Outline problems facing coffee farming in Brazil.	Q/A & explanations & Assignment.	Cert. Geography Bk III Pg 274-5	
	4	Wheat growing in Kenya & Canada.	Identify conditions favouring wheat growing in Kenya & Canada.	Q/A & explanations.	Cert. Geography Bk III 277-282	
11	1	Horticulture in Kenya.	Identify conditions favouring growing horticulture in Kenya. Give examples of horticultural crops and their importance. Describe marketing of horticultural crops in Kenya. Highlight problems facing horticulture in Kenya.	Brain storming; Probing questions; Brief discussion.	Cert. Geography Bk III 283	

	2	Horticulture in the Netherlands.	Identify conditions favouring horticulture in the Netherlands. Describe marketing of horticultural crops in the Netherlands. Highlight problems facing horticulture in the Netherlands.	Probing questions & brief discussion.	Cert. Geography Bk III Pg 288	
	3	Commercial dairy & beef farming in Kenya & in Denmark.	Outline conditions favouring commercial dairy & beef farming in Kenya. Identify dairy / beef cattle breeds reared in Kenya. Identify problems facing commercial dairy & beef farming in Kenya and the responses of the government to these problems.	Probing questions, brief discussion & assignment.	Cert. Geography Bk III Pg 290	
	4	Beef farming in Argentina.	Identify conditions favouring beef farming in Argentina. Describe the organization of beef farms in Argentina.	Explanations, probing questions & discussion.	Cert. Geography Bk III Pg 306	
12-1 3			END (OF YEAR TEST		