**GEOGRAPHY SCHEMES OF WORK**

**FORM THREE 2016**

**TERM I**

**REFERENCES:**

1. Secondary Geography KLB BK 3
2. Certificate Geography BK 3
3. Macmillan BK 3

Compiled by Schools Net Kenya (SNK) in partnership with Jospa Publishers | P.O. Box 3029 – 00200 Nairobi |

Coordinated by KENPRO, Macjo Arcade, 4th Floor, Suite 15E, Off Magadi Road, Ongata Rongai |Tel: +254202319748 |

E-mail: [infosnkenya@gmail.com](mailto:infosnkenya@gmail.com) | Website: [www.schoolsnetkenya.com/](http://www.schoolsnetkenya.com/)

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **WK** | **LSN** | **TOPIC/S-TOPIC** | **OBJECTIVES** | **L/ACTIVITIES** | **L/T AIDS** | **REFERENCE** | **REMARKS** |
| 1 |  | **REPORTING AND REVISION OF LAST TERM’S EXAMINATIONS** | | | | |  |
| 2 | 1 | Statistical Methods  Compound/cumulative bar graphs | **By the end of the lesson the learner should be able to:-**  Describe how data is presented using a compound bar graph | Drawing of graphs  Discussion  Taking notes | Graphs  Textbooks | KLB BK 3 Pg 4  Cert Geog BK 3  Pg 1-3  Macmillan BK 3  Pg 1-2 |  |
|  | 2 | Advantages and disadvantages of using comparative bar graphs | **By the end of the lesson the learner should be able to:-**  Explain the advantages and disadvantages of using cumulative bar graphs to present data | Drawing of graphs  Discussion  Taking notes | Graphs | KLB BK 4 Pg 2-3  Cert Geog BK 3  Pg 3-4  Macmillan BK 3  Pg 1-2 |  |
|  | 3 | Proportional circles | **By the end of the lesson the learner should be able to:-**  Describe how data is presented using proportional circles | Drawing of graphs  Discussion  Observation of diagrams | Charts  Statistical abstracts | KLB BK 3 Pg 2-3  Cert Geog BK 3  Pg 4-7  Macmillan BK 3  Pg |  |
|  | 4 | Advantages and disadvantages of using proportional circles to present data | **By the end of the lesson the learner should be able to:-**  State the advantages and disadvantages of using proportional circles to present data | Drawing of graphs  Discussion  Observation of diagrams | Charts | KLB BK 3 Pg 2-5  Cert Geog BK 3  Pg 7-8  Macmillan BK 3  Pg 3 |  |
| 3 | 1 | Pie charts/  Divided circles | **By the end of the lesson the learner should be able to:-**  Describe how data is presented using pie charts | Drawing of graphs  Discussion  Observation of diagrams | Graphs  Charts | KLB BK 3 Pg 2-3  Cert Geog BK 3  Pg 8-14  Macmillan BK 3 |  |
|  | 2 | Advantages and disadvantages of using pie charts | **By the end of the lesson the learner should be able to:-**  Discuss the advantages and disadvantages of using pie charts in presenting data | Drawing of graphs  Discussion  Observation of diagrams | Graphs  Charts | KLB BK 3 Pg 3-4  Cert Geog BK 3  Pg 14-15  Macmillan BK 3  Pg |  |
|  | 3 | Map Work  Interpretation of physical features on topographical maps | **By the end of the lesson the learner should be able to:-**  Interpret landforms and vegetation on topographical maps | Identification of various vegetations on topographical maps  Discussion, Observation topographical maps | Topographical maps | KLB BK 3 Pg 14  Cert Geog BK 3  Pg 16-26  Macmillan BK 3  Pg 7-8 |  |
|  | 4 | Drainage  Economic activities and settlement | **By the end of the lesson the learner should be able to:-**  Interpret drainage, economic activities and settlement on topographical maps | Drawing of diagrams showing drainage pattern  Discussion  Identifying economic activities, Identifying settlement patterns | Topographical maps  Charts | KLB BK 3 Pg 14-19  Cert Geog BK 3  Pg 26-34  Macmillan BK 3  Pg 9 |  |
| 4 | 1 | Map reduction and enlargement | **By the end of the lesson the learner should be able to:-**  Reduce a map area  Enlarge a map area | Drawing of a diagram  Discussion | Topographical maps  Textbooks | KLB BK 3 Pg 22  Cert Geog BK 3  Pg 34-41 |  |
|  | 2 | Drawing a cross section | **By the end of the lesson the learner should be able to:-**  Draw a cross section between any two given points | Drawing a cross section  Discussion | Topographical maps  Graph papers  Geometrical instruments | KLB BK 3 Pg 22-26  Cert Geog BK 3  Pg 41-44 |  |
|  | 3 | Calculation and interpretation of a vertical exaggeration and gradient | **By the end of the lesson the learner should be able to:-**  Calculate and interpret vertical exaggeration and gradient on maps | Discussion  Taking notes  Calculation | Topographical maps | KLB BK 3 Pg 26-28  Cert Geog BK 3  Pg 45-47  Macmillan BK 3  Pg 17 |  |
|  | 4 | Inter-visibility | **By the end of the lesson the learner should be able to:-**  Determine and interpret the inter-visibility of areas covered by the map | Discussion  Calculation | Topographical maps | KLB BK 3 Pg 28  Cert Geog BK 3  Pg 50-54  Macmillan BK 3  Pg 18 |  |
| 5 | 1 | External Land Forming Processes  Weathering  Factors influencing weathering  Types and processes of weathering  Mechanical weathering | **By the end of the lesson the learner should be able to:-**  Discuss the factors influencing weathering  Identify the various types and processes of mechanical weathering | Discussion  Taking notes | Charts | KLB BK 3 Pg 30-32  Cert Geog BK 3  Pg 56-58  Macmillan BK 3  Pg 21 |  |
|  | 2 | Processes Involved in Mechanical Weathering  Block disintegration  Exploitation  Freezing and thawing | **By the end of the lesson the learner should be able to:-**  Discuss block disintegration, exfoliation and thawing and freezing | Discussion  Exposition  Drawing of diagrams | Charts  Models | KLB BK 3 Pg 30-34  Cert Geog BK 3  Pg 56 |  |
|  | 3 | Crystal growth  Slaking | **By the end of the lesson the learner should be able to:-**  Explain the processes of crystal growth and slaking | Discussion  Taking notes  Drawing diagrams | Simple models  Charts | KLB BK 3 Pg 32-33  Cert Geog BK 3  Pg 56-57 |  |
|  | 4 | Pressure Release  Chemical weathering  Solution  Carbonation | **By the end of the lesson the learner should be able to:-**  Discuss pressure release under mechanical weathering  Discuss solution and carbonation process under chemical weathering | Discussion  Taking notes | Charts | KLB BK 3 Pg 34  Cert Geog BK 3  Pg 57-60 |  |
| 6 | 1 | Hydrolysis  Oxidation  Hydration | **By the end of the lesson the learner should be able to:-**  Describe the hydrolysis, oxidation and hydration under chemical processes | Discussion  Taking notes | Charts | KLB BK 3 Pg 35  Cert Geog BK 3  Pg 60  Macmillan BK 3  Pg 24 |  |
|  | 2 | Biological Weathering  Plant activity  Animal activity  Human activity | **By the end of the lesson the learner should be able to:-**  Explain the processes of biological weathering | Discussion  Taking notes | Charts | KLB BK 3 Pg 36-37  Cert Geog BK 3  Pg 61-62  Macmillan BK 3  Pg 25 |  |
|  | 3 | Significance of weathering | **By the end of the lesson the learner should be able to:-**  Explain the significance of weathering | Discussion  Taking notes | Charts | KLB BK 3 Pg 36-37  Cert Geog BK 3  Pg 61-62  Macmillan BK 3  Pg 25 |  |
|  | 4 | Mass Wasting  Factors affecting mass wasting | **By the end of the lesson the learner should be able to:-**  Identify and explain the factors that influence mass wasting | Discussion  Taking notes | Charts  Models | KLB BK 3 Pg 39-40  Cert Geog BK 3  Pg 65  Macmillan BK 3  Pg 27 |  |
| 7 | 1 | Types and Processes of Mass Wasting  Slow mass wasting  Soil creep  Scree creep  Solifluction | **By the end of the lesson the learner should be able to:-**  Explain the various forms of rapid mass wasting | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLB BK 3 Pg 40  Cert Geog BK 3  Pg 65-68  Macmillan BK 3  Pg 29 |  |
|  | 2 | Rapid Mass Wasting  Earth flows  Mud flows  Avalanches  Land slides | **By the end of the lesson the learner should be able to:-**  Explain the various forms of rapid mass wasting | Discussion  Taking notes  Drawing diagrams | Charts | KLB BK 3 Pg 43-45  Cert Geog BK 3  Pg 71-72  Macmillan BK 3  Pg 33 |  |
|  | 3 | Effects of Mass Wasting on Physical and Human Environment | **By the end of the lesson the learner should be able to:-**  Discuss the effects of mass wasting | Discussion  Taking notes | Charts | KLB BK 3 Pg 43-45  Cert Geog BK 3  Pg 71-72  Macmillan BK 3  Pg 33 |  |
|  | 4 | The Hydrological Cycle  Definition  Processes of hydrological cycle | **By the end of the lesson the learner should be able to:-**  Describe how the various processes involved in the input process | Discussion  Taking notes | Charts  models | KLB BK 3 Pg 45  Cert Geog BK 3  Pg 71-72  Macmillan BK 3  Pg 33 |  |
| 8 | 1 | Output Processes  Evaporation  Transpiration | **By the end of the lesson the learner should be able to:-**  Describe the output processes in the hydrological cycle | Discussion  Taking notes  Drawing diagrams | Charts | KLB BK 3 Pg 46  Cert Geog BK 3  Pg 73  Macmillan BK 3  Pg 35 |  |
|  | 2 | Internal Transfers  Interception  Run-off  Infiltration | **By the end of the lesson the learner should be able to:-**  Describe the output process in the hydrological cycle | Discussion  Taking notes | Charts | KLB BK 3 Pg 43-45  Cert Geog BK 3  Pg 73 |  |
|  | 3 | Significance of hydrological cycle | **By the end of the lesson the learner should be able to:-**  Discuss the importance of the hydrological cycle | Discussion  Taking notes | Charts | KLB BK 3 Pg 49-50  Cert Geog BK 3  Pg 73  Macmillan BK 3  Pg 36 |  |
|  | 4 | Action of Rivers  Definition of terms used in rivers | **By the end of the lesson the learner should be able to:-**  Define terms, rivers, catchment area, source mouth, permanent and seasonal rivers, tributaries | Discussion  Taking notes | Charts  Models | KLB BK 3 Pg 52-53  Cert Geog BK 3  Pg 76  Macmillan BK 3  Pg |  |
| 9 | 1 | Work of a River  River erosion  Processes of river erosion  Hydraulic  Corrosion  Solution  Attrition | **By the end of the lesson the learner should be able to:-**  Identify and explain the processes of river erosion | Discussion  Taking notes | Charts  models | KLB BK 3 Pg 51-52  Cert Geog BK 3  Pg 75-76  Macmillan BK 3  Pg 37 |  |
|  | 2 | Types of Rivers Erosion  Head ward erosion  Vertical erosion  Lateral erosion | **By the end of the lesson the learner should be able to:-**  Explain the three types of river erosion | Discussion  Taking notes | Charts  Models | KLB BK 3 Pg 52-53  Cert Geog BK 3  Pg 76  Macmillan BK 3  Pg |  |
|  | 3 | Factors affecting the rate of river erosion | **By the end of the lesson the learner should be able to:-**  Explain the factors that influence the rate of erosion | Discussion  Taking notes | Charts  Simple Models | KLB BK 3 Pg 51-52  Cert Geog BK 3  Pg 77-78  Macmillan BK 3  Pg 37 |  |
|  | 4 | River Transportation  Processes involved in river transportation  Solution, Suspension,  Traction, Saltation | **By the end of the lesson the learner should be able to:-**  Explain the four processes involved in river transportation | Discussion  Taking notes | Charts  Models | KLB BK 3 Pg 53-54  Cert Geog BK 3  Pg 84  Macmillan BK 3  Pg 38 |  |
| 10 | 1 | River deposition  Development of river profiles  Youthful stage | **By the end of the lesson the learner should be able to:-**  Describe how the river deposits its load  Identify the youthful stage of a river | Discussion  Taking notes  Drawing diagrams | Charts  Simple Models | KLB BK 3 Pg 54  Cert Geog BK 3  Pg 84 |  |
|  | 2 | Features formed in the youthful stage of a river  Gorges  Potholes | **By the end of the lesson the learner should be able to:-**  Describe how gorges and potholes are formed at the youthful stage of a river | Discussion  Drawing diagrams | Charts  Simple Models | KLB BK 3 Pg 55  Cert Geog BK 3  Pg 79-84  Macmillan BK 3 |  |
|  | 3 | V-shaped valley  Waterfalls and rapids | **By the end of the lesson the learner should be able to:-**  Explain how the V-shaped valleys and waterfalls and rapids are formed | Discussion  Question and answer  Drawing of diagrams | Charts  Simple Models | KLB BK 3 Pg 55-60  Cert Geog BK 3  Pg 81-82  Macmillan BK 3  Pg 41 |  |
|  | 4 | Mature Stage  Features formed  Wider valleys  Gentler gradient | **By the end of the lesson the learner should be able to:-**  Explain the formation of wider valleys and gentler gradient | Discussion  Taking notes  Drawing of diagrams | Charts  Models | KLB BK 3 Pg 60-65  Cert Geog BK 3  Pg 84-92  Macmillan BK 3  Pg 39 |  |
| 11 | 1 | Concave Banks  Interlocking Spurs | **By the end of the lesson the learner should be able to:-**  Explain hoe the concave and interlocking spurs are formed | Discussion  Taking notes  Drawing of diagrams | Charts  Models | KLB BK 3 Pg 60-65  Cert Geog BK 3  Pg 84-92  Macmillan BK 3  Pg 39 |  |
|  | 2 | Old Stage  Features formed at the old stage  Alluvial fans  Meanders  Oxbow lakes | **By the end of the lesson the learner should be able to:-**  Explain formation of alluvial fans, meanders and oxbow lakes | Discussion  Taking notes  Drawing of diagrams | Charts  Models | KLB BK 3 Pg 60-65  Cert Geog BK 3  Pg 84-90  Macmillan BK 3  Pg 40 |  |
|  | 3 | Natural Levees  Flood plains  Deltas | **By the end of the lesson the learner should be able to:-**  Explain the formation of natural levees, flood plains and deltas | Discussion  Taking notes  Drawing of diagrams | Charts  Models | KLB BK 3 Pg 60-65  Cert Geog BK 3  Pg 84-90  Macmillan BK 3  Pg 40 |  |
|  | 4 | Types of Deltas  Arcuate delta  Bird’s foot delta  Esturine delta  Inland delta | **By the end of the lesson the learner should be able to:-**  Explain the formation of various types of deltas | Discussion  Taking notes  Drawing of diagrams | Charts  Models | KLB BK 3 Pg  Cert Geog BK 3  Pg 91-92  Macmillan BK 3  Pg |  |
| 12 | 1 | River Capture | **By the end of the lesson the learner should be able to:-**  Explain the formation of river capture | Discussion  Taking notes | Charts | KLB BK 3 Pg 72-77  Cert Geog BK 3  Pg 101-102 |  |
|  | 2 | River Rejuvenation | **By the end of the lesson the learner should be able to:-**  Discuss on the occurrence of river rejuvenation | Discussion  Taking notes | Charts | KLB BK 3 Pg 66-67  Cert Geog BK 3  Pg 93-97  Macmillan BK 3  Pg 51 |  |
|  | 3 | Drainage Patterns | **By the end of the lesson the learner should be able to:-**  Discuss on the various drainage patterns in a river | Discussion  Taking notes  Drawing of diagrams | Charts | KLB BK 3 Pg 68-72  Cert Geog BK 3  Pg 99-101  Macmillan BK 3  Pg 53 |  |
|  | 4 | Significance of Rivers and the Resultant Features | **By the end of the lesson the learner should be able to:-**  Discuss the importance of rivers and the resultant features | Discussion  Taking notes | Charts | KLB BK 3 Pg 72-77  Cert Geog BK 3  Pg 101-103  Macmillan BK 3  Pg 58 |  |
| 13 | 1-4 | Revision of the techniques of answering questions in Map Work | **By the end of the lesson the learner should be able to:-**  Answer questions related to map work | Discussion  Taking notes | Map extracts | KLB BK 3 Pg 1-3  Cert Geog BK 3  Pg 1-3 |  |
|  |  | **SCHOOL CLOSES FOR APRIL HOLIDAY** | | | | |  |

**GEOGRAPHY SCHEMES OF WORK**

**FORM THREE 2016**

**TERM II**

**REFERENCES:**

1. Secondary Geography KLB BK 3
2. Certificate Geography BK 3
3. Macmillan BK 3

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **WK** | **LSN** | **TOPIC/S-TOPIC** | **OBJECTIVES** | **L/ACTIVITIES** | **L/T AIDS** | **REFERENCE** | **REMARKS** |
| 1 |  | **REPORTING OF STUDENTS, CATS AND REVISION OF LAST TERM’S EXAMINATIONS** | | | | |  |
| 2 | 1 | Lakes  Definition  Formation and classification of lakes  Lakes due to tectonic movement | **By the end of the lesson the learner should be able to:-**  Define a lake  Explain how lakes are formed from tectonic movement | Discussion  Taking notes  Drawing of diagrams | Charts  Wall maps | KLB BK 3 Pg 78-80  Cert Geog BK 3  Pg 177  Macmillan BK 3  Pg 61 |  |
|  | 2 | Lakes due to:  Volcanic activity  Glaciation  Wave deposition  Wind erosion | **By the end of the lesson the learner should be able to:-**  Discuss how lakes are formed due to volcanic activity, glaciation, wave deposition and wind erosion | Discussion  Taking notes | Charts  Simple models | KLB BK 3 Pg 80-84  Cert Geog BK 3  Pg 163  Macmillan BK 3  Pg |  |
|  | 3 | Lakes formed by:  Human  Meteorites  Damming of land slides | **By the end of the lesson the learner should be able to:-**  Explain the formation of lakes by humans, meteorites, damming of landslides | Discussion  Taking notes | Charts  chalkboard | KLB BK 3 Pg 84-85  Cert Geog BK 3  Pg 182-183  Macmillan BK 3  Pg |  |
|  | 4-5 | Significance of lakes to human activities | **By the end of the lesson the learner should be able to:-**  Discuss the significance of lakes to human activities | Discussion  Taking notes | Charts | KLB BK 3 Pg 85-88  Cert Geog BK 3  Pg 182-184  Macmillan BK 3  Pg 65 |  |
| 3 | 1&2 | Oceans, Seas and their Coasts  Definition  Nature of Ocean Waters | **By the end of the lesson the learner should be able to:-**  Define oceans, seas and coasts  Describe the natured of ocean waters | Discussion  Taking notes | Charts  Atlas  Wall maps | KLB BK 3 Pg 95-97  Cert Geog BK 3  Pg 104-106  Macmillan BK 3  Pg 70 |  |
|  | 3 | Characteristics and distribution of ocean currents | **By the end of the lesson the learner should be able to:-**  Identify the major ocean currents and their characteristics | Discussion  Taking notes  Drawing diagrams | Charts  Atlas  Wall maps | KLB BK3Pg 98-101  Cert Geog BK 3  Pg 108-110  Macmillan BK 3  Pg 71 |  |
|  | 4 | Tides  Types of tides  Causes of tides | **By the end of the lesson the learner should be able to:-**  Identify the four types of tides  Identify the causes of tides | Discussion  Taking notes  Drawing diagrams | Charts  Wall maps | KLB BK 3  Pg 98-101  Cert Geog BK 3  Pg 110-113  Macmillan BK 3  Pg 73 |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | 5 | Waves  Types of waves  Wave action  Wave erosion  Processes of wave erosion | **By the end of the lesson the learner should be able to:-**  Define what is a wave  Identify the two types of waves  Identify wave erosion processes | Discussion  Taking notes | Charts  Wall maps | KLB BK 3  Pg 103-104  Cert Geog BK 3  Pg 110-113  Macmillan BK 3  Pg 73 |  |
| 4 | 1 | Wave erosion and the resultant features  Wave erosion processes  Corrasion  Hydraulic  Attrition  Solution | **By the end of the lesson the learner should be able to:-**  Explain wave erosion processes | Discussion  Taking notes  Drawing diagrams | Charts  Wall maps | KLB BK 3  Pg 104  Cert Geog BK 3  Pg 113-114  Macmillan BK 3  Pg 76 |  |
|  | 2 | Resultant features from wave erosion  Cliffs  Wave cut plat forms  Blow holes | **By the end of the lesson the learner should be able to:-**  Describe the formation of cliffs, wave cuts platforms and blow holes | Discussion  Taking notes  Drawing diagrams | Charts  Wall maps  Simple models | KLB BK 3  Pg 104-107  Cert Geog BK 3  Pg 114-115  Macmillan BK 3  Pg 78 |  |
|  | 3 | Caves  Arches stacks and stumps | **By the end of the lesson the learner should be able to:-**  Explain the formation of caves, arches stucks and stumps | Discussion  Taking notes  Drawing diagrams | Charts  Wall maps | KLB BK 3  Pg 105-107  Cert Geog BK 3  Pg 115-116  Macmillan BK 3  Pg 78 |  |
|  | 4 | Wave transportation  Long shore drift  Wave deposition and resultant features | **By the end of the lesson the learner should be able to:-**  Discuss wave transportation | Discussion  Taking notes  Drawing diagrams | Charts  Simple models | KLB BK 3  Pg 107-108  Cert Geog BK 3  Pg 116-118  Macmillan BK 3  Pg 79 |  |
|  | 5 | Resultant features of wave deposition  Beaches  Spits  Mud flats  Tombolo  Bar, dune belts  Salt marshes  Cuspates | **By the end of the lesson the learner should be able to:-**  Explain the various features resulting from wave deposition | Discussion  Taking notes | Charts  Exposition | KLB BK 3  Pg 108-111  Cert Geog BK 3  Pg 118-122  Macmillan BK 3  Pg 80 |  |
| 5 | 1 | Types of coasts  Submerged coasts  Submerged upland coasts  Factors influencing the evolution of coasts | **By the end of the lesson the learner should be able to:-**  Identify the types of coasts | Discussion  Taking notes | Charts | KLB BK 3  Pg 110-112  Cert Geog BK 3  Pg 122-126  Macmillan BK 3  Pg 82 |  |
|  | 2 | Submerged lowlands coasts  Emerged coasts | **By the end of the lesson the learner should be able to:-**  Discuss the features of submerged lowland coasts and emerged coasts | Discussion  Taking notes | Charts | KLB BK 3  Pg 110-112  Cert Geog BK 3  Pg 122-126  Macmillan BK 3  Pg 82 |  |
|  | 3 | Coral coasts  Coral reefs  Fringing reefs | **By the end of the lesson the learner should be able to:-**  Identify and discuss the various types of coral reefs i.e. coral reefs and fringing reefs | Discussion  Taking notes  Drawing diagrams | Charts  Simple models | KLB BK 3  Pg 114-115  Cert Geog BK 3  Pg 130-132  Macmillan BK 3  Pg 84 |  |
|  | 4 | Barrier reefs  Atolls | **By the end of the lesson the learner should be able to:-**  Discuss the barrier reefs and atolls as the types of coral reefs | Discussion  Taking notes  Drawing diagrams | Charts  Simple models | KLB BK 3  Pg 115-116  Cert Geog BK 3  Pg 132-133  Macmillan BK 3  Pg 84 |  |
|  | 5 | Significance of oceans, coasts and coastal features | **By the end of the lesson the learner should be able to:-**  Explain the importance of oceans, coasts and their coastal features | Discussion  Taking notes | Charts  Atlas | KLB BK 3  Pg 117-119  Cert Geog BK 3  Pg 134-138  Macmillan BK 3  Pg 87 |  |
| 6 | 1 | Action of Wind and Water in Arid Areas | **By the end of the lesson the learner should be able to:-**  Define what is a desert  Classify deserts | Discussion  Taking notes | Charts  Atlas | KLB BK 3  Pg 120-121  Cert Geog BK 3  Pg 137-138  Macmillan BK 3  Pg 89 |  |
|  | 2 | Action of wind in arid areas  Wind erosion  Processes of wind erosion  Abrasion  Attrition  Deflation  Features resulting from wind erosion  Rock pedestal | **By the end of the lesson the learner should be able to:-**  Describe wind erosion processes  Describe how a rock pedestal is formed | Discussion  Taking notes  Drawing diagrams | Exposition  Models | KLB BK 3  Pg 121-122  Cert Geog BK 3  Pg 138-140  Macmillan BK 3  Pg 89 |  |
|  | 3 | Ventifalts  Mushroom block  Zeugens  Yardangs | **By the end of the lesson the learner should be able to:-**  Describe the formation of ventifalts, mushroom block, zeugens, yardangs | Discussion  Taking notes  Drawing diagrams  *© Education Plus Agencies* | Charts  Models | KLB BK 3  Pg 121-122  Cert Geog BK 3  Pg 139-141  Macmillan BK 3  Pg 91 |  |
|  | 4 | Deflation hollows  Wind transportation  Wind deposition | **By the end of the lesson the learner should be able to:-**  Explain the formation of deflation hollows  Discuss wind transportation  Outline factors that influence wind deposition | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLB BK 3  Pg 125  Cert Geog BK 3  Pg 143-144  Macmillan BK 3  Pg 92 |  |
|  | 5 | Deposition features  Dunes  Draas  Loess | **By the end of the lesson the learner should be able to:-**  Discuss the features formed from wind deposition | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLB BK 3 Pg 126  Cert Geog BK 3  Pg 144-145  Macmillan BK 3  Pg 141-147 |  |
| 7 | 1 | Action of water in arid areas and resultant features | **By the end of the lesson the learner should be able to:-**  Describe the formation of inselbergs, mesas and buttes and wadis | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLB BK 3  Pg 127-128  Cert Geog BK 3  Pg 147-149 |  |
|  | 2 | Gorges  Wadis  Inland drainage basins and related features  Playas | **By the end of the lesson the learner should be able to:-**  Explain the formation of gorges, wadis, inland drainage basins and related features and playas | Discussion  Taking notes  Drawing diagrams | Charts  Models  Atlas | KLB BK 3  Pg 129-130  Cert Geog BK 3  Pg 150-152  Macmillan BK 3  Pg 95 |  |
|  | 3 | Significance of features resulting from water and wind in arid areas | **By the end of the lesson the learner should be able to:-**  Explain significance of features of wind and water action in arid areas | Discussion  Taking notes | Charts  Models | KLB BK 3  Pg 130  Cert Geog BK 3  Pg 152 |  |
|  | 4 | Action of water in limestone areas  Underground water | **By the end of the lesson the learner should be able to:-**  Discuss the process of underground water  Identify and explain the factors influencing the underground water | Discussion  Taking notes | Charts  Models | KLB BK 3  Pg 132-136  Cert Geog BK 3  Pg 154-156  Macmillan BK 3  Pg 96 |  |
|  | 5 | Springs, wells and boreholes  Artesian basins  Significance of underground water | **By the end of the lesson the learner should be able to:-**  Discuss the formation of springs, wells, boreholes and artesian basins  Identify the significance of underground water | Discussion  Taking notes  Drawing diagrams | Charts  Expositions | KLB BK 3  Pg 137-138  Cert Geog BK 3  Pg 154-156  Macmillan BK 3  Pg 96 |  |
| 8 | 1 | Karst scenery  Factors influencing development of Karst Scenery  Surface features in limestone areas  Grikes and clints  Swallow holes  Dry valleys  Dolines  Uvalas Polge  Gorges | **By the end of the lesson the learner should be able to:-**  Discuss the factors that influence the development of Karst scenery  Identify and discuss the surface features in limestone areas | Discussion  Taking notes  Drawing diagrams | Charts  Expositions  Models | KLB BK 3  Pg 139-148  Cert Geog BK 3  Pg 162-163  Macmillan BK 3  Pg 97-100 |  |
|  | 2 | Underground features in limestone areas  Phreatic caves  Underground caves and caverns  Stalactile and stalagmites  Limestone pillars | **By the end of the lesson the learner should be able to:-**  Discuss the underground features in the Karst scenery | Discussion  Taking notes | Charts  Models | KLB BK 3  Pg 139-140  Cert Geog BK 3  Pg 162-163  Macmillan BK 3  Pg 97-100 |  |
|  | 3 | Significance of resultant features in the Karst scenery | **By the end of the lesson the learner should be able to:-**  Outline the significance of features formed in the Karst scenery | Discussion  Taking notes | Charts | KLB BK 3 Pg 140  Cert Geog BK 3  Pg 163  Macmillan BK 3  Pg 100 |  |
|  | 4 | Glaciation  Glacial erosion processes  Plucking  Abrasion | **By the end of the lesson the learner should be able to:-**  Identify and describe processes of glacial erosion | Discussion  Taking notes | Charts  Models | KLB BK 3  Pg 142-145  Cert Geog BK 3  Pg 164-166  Macmillan BK 3  Pg 100-101 |  |
|  | 5 | Glacial Transportation  Moraines  Types of moraines | **By the end of the lesson the learner should be able to:-**  Explain the process in which glacier transport its materials | Discussion  Taking notes | Charts  Models | KLB BK 3  Pg 145-146  Cert Geog BK 3  Pg 167 |  |
| 9 | 1 | Resultant features of glaciation in highland areas  Corrie  Pyramidal peak | **By the end of the lesson the learner should be able to:-**  Explain the formation of a pyramidal peak and a corrie | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLB BK 3  Pg 146-147  Cert Geog BK 3  Pg 168-169  Macmillan BK 3  Pg 104 |  |
|  | 2 | Hanging valleys  Roche moutonee  Crag and tail | **By the end of the lesson the learner should be able to:-**  Explain the formation of hanging valleys, roche moutonee and crag and tail | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLB BK 3  Pg 147-148  Cert Geog BK 3  Pg 169  Macmillan BK 3  Pg 105 |  |
|  | 3 | Fjords  Glacial troughs  Rock basins | **By the end of the lesson the learner should be able to:-**  Discuss the formation of fjords, glacial troughs and rock basins | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLB BK 3  Pg 146-148  Cert Geog BK 3  Pg 168-169  Macmillan BK 3  Pg 106 |  |
|  | 4 | Glaciation in low lands  Erratics  Till  Boulder train  Terminal moraine | **By the end of the lesson the learner should be able to:-**  Describe glaciation in the lowlands and explain the formation of erratics, till and boulder train | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLB BK 3  Pg 149-150  Cert Geog BK 3  Pg 173-174  Macmillan BK 3 |  |
|  | 5 | Drumlins, Kames and Eskers  Outwash plains  Crag and tail  Significance of glaciation | **By the end of the lesson the learner should be able to:-**  Describe the formation of drumlins, kames and eskers, outwash plains, crag and tail  State the significance of glaciation | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLB BK 3  Pg 156-162  Cert Geog BK 3  Pg 174-175  Macmillan BK 3  Pg |  |
| 10 | 1 | Soil  Definition  Soil forming processes | **By the end of the lesson the learner should be able to:-**  Define what is soil  Identify the various soil forming process | Discussion  Taking notes | Charts  Models | KLB BK 3  Pg 155-158  Cert Geog BK 3  Pg 193-194  Macmillan BK 3 |  |
|  | 2 | Soil formation through  Weathering  Decomposition  Leaching | **By the end of the lesson the learner should be able to:-**  Explain the various ways in which soil is formed | Discussion  Taking notes  Drawing diagrams | Charts  Models | KLBBK3Pg158-160  Cert Geog BK 3  Pg 195-196  MacmillanBK3Pg196 |  |
|  | 3 | Factors influencing soil formation | **By the end of the lesson the learner should be able to:-**  Explain the various factors that influence soil formation | Discussion  Taking notes | Charts  Samples | KLBBK3Pg160-162  Cert Geog BK 3  Pg 198-199  MacmillanBK3Pg112 |  |
|  | 4 | Soil properties  Texture  Structure | **By the end of the lesson the learner should be able to:-**  Discuss on soil texture and soil structure | Discussion  Taking notes | Charts  Samples | KLB BK 3  Pg 162-163  Cert Geog BK 3  Pg 198 |  |
|  | 5 | Soil colour  Water and air  Porosity  Temperature  Lime content | **By the end of the lesson the learner should be able to:-**  Discuss soil colour, water and air, porosity, temperature and lime content | Discussion  Taking notes | Charts  Samples | KLB BK 3  Pg 163-164  Cert Geog BK 3  Pg 201-202  Macmillan BK 3  Pg 112 |  |
| 11 | 1 | Soil profile | **By the end of the lesson the learner should be able to:-**  Identify and discuss the four soil profile layers and discuss factors influencing soil profile | Discussion  Taking notes  Drawing diagrams on soil profile | Charts  Models | KLB BK 3 Pg 162  Cert Geog BK 3  Pg 204-207  Macmillan BK 3  Pg 115 |  |
|  | 2 | Soil catena  Soil degradation | **By the end of the lesson the learner should be able to:-**  Discuss on soil catena and soil degradation | Discussion  Taking notes  Drawing diagrams | Charts | KLB BK 3  Pg 163-164  Cert Geog BK 3  Pg 208-209 |  |
|  | 3 | Soil erosion | **By the end of the lesson the learner should be able to:-**  State the causes of soil erosion  Discuss types of soil erosion | Discussion  Taking notes | Charts | KLB BK 3  Pg 167-168  Cert Geog BK 3  Pg 209-210  Macmillan BK 3  Pg 118 |  |
|  | 4 | Soil classification | **By the end of the lesson the learner should be able to:-**  List the various soil classifications  Describe the three classification of soil | Discussion  Taking notes | Charts  Soil sample | KLB BK 3  Pg 168-171  Cert Geog BK 3  Pg 212-213 |  |
|  | 5 | Significance of soils | **By the end of the lesson the learner should be able to:-**  Explain various significance of soils | Discussion  Taking notes | Charts | KLB BK 3 Pg 179  Cert Geog BK 3  Pg 210 |  |
| 12 | 1 | Soil conservation and management | **By the end of the lesson the learner should be able to:-**  Differentiate between soil conservation and management  Identify and explain various ways of conserving and managing soil | Discussion  Taking notes | Charts | KLB BK 3  Pg 215-216 |  |
|  | 2-5 | **REVISION** | | | | |  |

**GEOGRAPHY SCHEMES OF WORK**

**FORM THREE 2016**

**TERM III**

**REFERENCES:**

1. Secondary Geography KLB BK 3
2. Certificate Geography BK 3

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WK** | **LSN** | **TOPIC/S-TOPIC** | | **OBJECTIVES** | | **L/ACTIVITIES** | | **L/T AIDS** | | **REFERENCE** | **REMARKS** | |
| 1 |  | **SCHOOL OPENS** | | | | | | | | |  | |
| 2 | 1 | Agriculture  Factors influencing agriculture  Physical factors | **By the end of the lesson the learner should be able to:-**  Explain the physical factors that influence agriculture | | Discussion  Notes taking | | Atlas  Wall maps | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 227-228 | | |  |
|  | 2 | Human factors  Types of agriculture  Arable farming  Subsistence | **By the end of the lesson the learner should be able to:-**  Explain factors that influence agriculture (human)  Explain various forms of subsistence arable farming | | Discussion  Notes taking | | Atlas  Wall maps | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 229-231 | | |  |
|  | 3 | Commercial arable farming | **By the end of the lesson the learner should be able to:-**  Explain various forms of commercial arable farming | | Discussion  Notes taking | | Atlas  Photographs | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 231-234 | | |  |
|  | 4 | Livestock farming | **By the end of the lesson the learner should be able to:-**  Discuss the various forms of livestock farming | | Discussion  Notes taking | | Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 235-238 | | |  |
|  | 5 | Crop farming  Tea farming in Kenya  Requirements for tea cultivation | **By the end of the lesson the learner should be able to:-**  Explain the physical and human factors that are required for tea cultivation | | Discussion  Notes taking | | Wall map of Kenya | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 242-243 | | |  |
| 3 | 1 | Cultivation  Harvesting  Processing | **By the end of the lesson the learner should be able to:-**  Discuss tea under cultivation, harvesting and processing | | Discussion  Notes taking | | Atlas  Tea cutting | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 243-245 | | |  |
|  | 2 | Distribution of tea farming areas in Kenya  Marketing  Importance of tea to Kenya’s economy  Problems facing tea farming | **By the end of the lesson the learner should be able to:-**  State the areas where tea is grown in Kenya  Give the marketing bodies of tea  Explain the significance of tea to Kenya’s economy  State problems that face tea farming | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 246-248 | | |  |
|  | 3 | Sugarcane farming in Kenya  Conditions that favour sugar cane growing | **By the end of the lesson the learner should be able to:-**  Discuss the factors that favour sugar cane growing | | Discussion  Notes taking | | Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 249-250 | | |  |
|  | 4 | Cultivation of sugar cane  Harvesting  Processing | **By the end of the lesson the learner should be able to:-**  Discuss sugar cane under; cultivation, harvesting and processing | | Discussion  Notes taking | | Cane cutting | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 250-251 | | |  |
|  | 5 | Distribution of areas farming sugar cane  Marketing of sugar  Importance of sugar to Kenya’s economy | **By the end of the lesson the learner should be able to:-**  State the areas in Kenya where sugar cane is grown  Explain how marketing of sugar is done  Give the significance of sugar to Kenya’s economy | | Discussion  Notes taking | | Oral exposition  Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 251-252 | | |  |
| 4 | 1 | Problems facing sugar cane farming | **By the end of the lesson the learner should be able to:-**  Discuss the problems that face sugar cane farming | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 253 | | |  |
|  | 2 | Maize farming in Kenya  Physical and human requirements for growing maize | **By the end of the lesson the learner should be able to:-**  Explain the requirements for growing of maize | | Discussion  Notes taking | | Oral exposition  Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 254-255 | | |  |
|  | 3 | Maize cultivation  Harvesting  Processing | **By the end of the lesson the learner should be able to:-**  Discuss maize under; cultivation, harvesting and processing | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 255-256 | | |  |
|  | 4 | Distribution of maize farming areas  Marketing of maize  Importance to Kenya’s economy | **By the end of the lesson the learner should be able to:-**  Give areas in Kenya where maize is grown  Give the marketing bodies of maize  Give the significance of maize to Kenya’s economy | | Discussion  Notes taking | | Map of Kenya | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 258-259 | | |  |
|  | 5 | Problems facing maize farming | **By the end of the lesson the learner should be able to:-**  Explain the problems facing maize farming | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 260 | | |  |
| 5 | 1 | Cocoa farming in Ghana  Physical and human conditions that favour the growth of cocoa | **By the end of the lesson the learner should be able to:-**  Explain the factors that favour cocoa growing in Ghana | | Discussion  Notes taking  Drawing the map of Ghana | | Atlas  Map | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 261-262 | | |  |
|  | 2 | Cultivation of cocoa  Harvesting  Distribution of cocoa farming in Ghana | **By the end of the lesson the learner should be able to:-**  Discuss cocoa growing under cultivation, harvesting and distribution | | Discussion  Notes taking | | Map of Ghana | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 262-264 | | |  |
|  | 3 | Problems facing cocoa growing in Ghana | **By the end of the lesson the learner should be able to:-**  Discuss the problems facing cocoa growing in Ghana | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 264-265 | | |  |
|  | 4 | Oil palm in Nigeria  Conditions favouring oil palm farming | **By the end of the lesson the learner should be able to:-**  Discuss the conditions that favour oil palm farming in Nigeria | | Discussion  Notes taking | | Atlas  Chart showing Nigeria map | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 265-266 | | |  |
|  | 5 | Cultivation  Harvesting  Processing | **By the end of the lesson the learner should be able to:-**  Discuss oil palm farming under cultivation, harvesting and processing | | Discussion  Notes taking | | Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 2666-267 | | |  |
| 6 | 1 | Distribution of oil palm farming areas in Nigeria  Marketing of palm oil  Importance of palm oil to Nigeria’s economy | **By the end of the lesson the learner should be able to:-**  State the areas in Nigeria where oil palm is grown  State the significance of oil palm farming in Nigeria | | Discussion  Notes taking | | A map of Nigeria | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 268-269 | | |  |
|  | 2 | Problems facing oil palm farming | **By the end of the lesson the learner should be able to:-**  Discuss the problems facing oil palm in Nigeria | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 270 | | |  |
|  | 3 | Coffee farming in Kenya and Brazil  Distribution of coffee growing areas in Kenya and Brazil  Factors favouring coffee growing in Kenya and Brazil | **By the end of the lesson the learner should be able to:-**  State the areas where coffee is grown in Kenya and Brazil  Explain the factors that favour coffee growing in Kenya and Brazil | | Discussion  Notes taking  Finding Brazil in the atlas | | Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 271-272 | | |  |
|  | 4 | Methods of coffee production  Marketing of coffee | **By the end of the lesson the learner should be able to:-**  Discuss the method of coffee production in Kenya and Brazil  Marketing of coffee in Kenya and Brazil | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 273-274 | | |  |
|  | 5 | Significance of coffee to economies of Kenya and Brazil  Problems facing coffee farming in Kenya and Brazil | **By the end of the lesson the learner should be able to:-**  Explain the role of coffee to the economies of Kenya and Brazil  Explain the problems facing coffee farming in Kenya and Brazil | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 275-277 | | |  |
| 7 | 1 | Wheat farming in Kenya and Canada  Distribution of wheat growing areas  Factors favouring wheat growing | **By the end of the lesson the learner should be able to:-**  Identify the areas where wheat is grown in Kenya and Canada  State and explain the physical and human factors that favour wheat growing in Kenya and Canada | | Discussion  Notes taking | | Map of Kenya and Canada  Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 278-280 | | |  |
|  | 2 | Wheat production methods  Marketing of wheat  Role of wheat in economies of Kenya and Canada | **By the end of the lesson the learner should be able to:-**  Explain method of production of wheat  Marketing of wheat and role of wheat in economies of Kenya and Canada | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 281-282 | | |  |
|  | 3 | Problems facing wheat farming | **By the end of the lesson the learner should be able to:-**  Explain the problems facing wheat farming | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 282-283 | | |  |
|  | 4 | Horticultural farming in Kenya and the Netherlands  Characteristics of horticultural farming  Factors favouring horticulture | **By the end of the lesson the learner should be able to:-**  State the characteristics of horticulture  Explain the factors favouring horticulture in Kenya and the Netherlands | | Discussion  Notes taking | | Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 284-285 | | |  |
|  | 5 | Cultivation  Marketing of horticultural products | **By the end of the lesson the learner should be able to:-**  Discuss horticulture in cultivation and marketing | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 285-286 | | |  |
| 8 | 1 | Role of horticulture in the economies of Kenya and Netherlands  Problems facing horticulture farming | **By the end of the lesson the learner should be able to:-**  Explain the role of horticulture in the economies of Kenya and Netherlands  Explain the problems facing horticulture farming | | Discussion  Notes taking | | Oral exposition  Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 288-289 | | |  |
|  | 2 | Livestock farming  Pastoralism in Kenya  Characteristics  Factors influencing pastoral farming in Kenya | **By the end of the lesson the learner should be able to:-**  Give the characteristics of pastoralism  Explain the factors that influence pastoral farming in Kenya | | Discussion  Notes taking | | Map of Kenya | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 290-291 | | |  |
|  | 3 | Products of pastoral farming  Problems facing pastoralism in Kenya | **By the end of the lesson the learner should be able to:-**  Give the products of pastoral farming  Explain the problems facing pastoralism in Kenya | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 292-293 | | |  |
|  | 4 | Measures taken to improve pastoral farming in Kenya | **By the end of the lesson the learner should be able to:-**  Explain the measures taken to improve pastoral farming in Kenya | | Discussion  Notes taking | | Map of Kenya | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 294 | | |  |
|  | 5 | Dairy farming  Characteristics  Factors influencing dairy farming in Kenya and Denmark | **By the end of the lesson the learner should be able to:-**  State the characteristics of dairy farming  Explain the factors that influence dairy farming in Kenya and Denmark | | Discussion  Notes taking | | Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 295-297 | | |  |
| 9 | 1 | Distribution of dairy farming  Dairy products  Marketing of dairy products | **By the end of the lesson the learner should be able to:-**  Identify areas where dairy farming is carried out in Kenya and Denmark  Identify the dairy products  Give the marketing bodies of dairy products | | Discussion  Notes taking | | atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 297-300 | | |  |
|  | 2 | Role of dairy farming in the economies of Kenya and Denmark | **By the end of the lesson the learner should be able to:-**  Explain the significance of dairy farming in Kenya and Denmark | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 301-302 | | |  |
|  | 3 | Problems facing dairy farming in Kenya and Denmark | **By the end of the lesson the learner should be able to:-**  Explain the problems facing dairy farming in Kenya and Denmark | | Discussion  Notes taking | | Map of Kenya | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 302-304 | | |  |
|  | 4 | Problems facing dairy farming in Kenya and Denmark and their possible solutions | **By the end of the lesson the learner should be able to:-**  Explain the problems facing dairy farming in Kenya and Denmark and their possible solutions | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 305 | | |  |
|  | 5 | Beef farming  Characteristics  Factors favouring beef farming in Kenya and Argentina | **By the end of the lesson the learner should be able to:-**  State the characteristics of beef farming  Explain the factors that favour beef farming in Kenya and Argentina | | Discussion  Notes taking | | Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 305-307 | | |  |
| 10 | 1 | Distribution of beef farming in Kenya and Argentina  Marketing of beef products | **By the end of the lesson the learner should be able to:-**  Identify the areas in Kenya and Argentina where beef farming is carried out | | Discussion  Notes taking | | Atlas | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 308-309 | | |  |
|  | 2 | Role of beef farming in economies of Kenya and Argentina | **By the end of the lesson the learner should be able to:-**  Explain the role of dairy farming to the economies of Kenya and Argentina | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 309-310 | | |  |
|  | 3 | Problems facing beef farming in Kenya and Argentina | **By the end of the lesson the learner should be able to:-**  Explain the problems facing beef farming in Kenya and Argentina | | Discussion  Notes taking | | Oral exposition | | Sec. Geo KLB BK 3  Pg  Certificate Geo BK 3  Pg 311 | | |  |
|  | 4 | Statistical Methods  Age-sex pyramid  (Absolute value method) | **By the end of the lesson the learner should be able to:-**  Draw the age-sex pyramid using absolute value method | | Discussion  Drawing the age-sex pyramid | | Statistical abstracts | | Sec. Geo KLB BK 4  Pg  Certificate Geo BK 4  Pg 1-2 | | |  |
|  | 5 | Age-sex pyramid using percentage value method | **By the end of the lesson the learner should be able to:-**  Draw the age-sex pyramid using the percentage value method and give the advantage and disadvantages of age-sex pyramid | | Discussion  Drawing the age-sex pyramid | | Statistical abstracts | | Sec. Geo KLB BK 4  Pg  Certificate Geo BK 4  Pg 4-5 | | |  |
| 11 | 1 | Dot maps | **By the end of the lesson the learner should be able to:-**  Draw a dot map  Give the advantages and disadvantages of dot maps | | Discussion  Drawing | | Abstracts of dot maps | | Sec. Geo KLB BK 4  Pg  Certificate Geo BK 4  Pg 6-8 | | |  |
|  | 2 | Choropleth maps | **By the end of the lesson the learner should be able to:-**  Draw choropleth maps  State the advantages and disadvantages of choropleth maps | | Discussion  Drawing choropleth maps | | Statistical abstracts | | Sec. Geo KLB BK 4  Pg  Certificate Geo BK 4  Pg 8-10 | | |  |
|  | 3-5 | **END YEAR EXAMINATIONS** | | | | | | | | | |  |
| 12 |  | **END YEAR EXAMINATIONS** | | | | | | | | | |  |