**GEOGRAPHY SCHEMES OF WORK**

**FORM ONE 2016**

**TERM I**

**REFERENCES:**

1. KLB Secondary Geography
2. Certificate Geography Students Book
3. Teacher’s Book
4. Gateway Secondary
5. Comprehensive Secondary Geography
6. Focus on Geography

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** | **SUB-TOPIC** | **OBJECTIVES** | **L/ACTIVITIES** | **L/T AIDS** | **REFERENCE** | **REMARKS** |
| 1-4 |  | REPORTING | | | | | |  |
| 5 | 1 | Introduction to Geography | Introduction  Definition of geography and environment  Origin of terms  Geography  Environment  Components of the environment | By the end of the lesson, the learner should be able to  Define terms geography and environment  Explain the origin of Geography and environment  Describe the components of environment | Defining the terms Geography and environment  Explaining the origin of geography and environment  Identifying compounds of the environment | Photographs  Local environment | KLB BK1 Pg 1-2  Comprehensive BK1 Pg 1  Certificate BK1 Pg 1 |  |
|  | 2 | Introduction to Geography | Branches of Geography | By the end of the lesson, the learner should be able to  Identify branches of Geography  Define physical geography  Identify branches of physical Geography  Define and identify branches of human geography | Naming branches of Geography  Defining the branches of Geography  Identifying branches of Human & Physical Geography | Maps  Photographs  A globe  Local environment  Atlases | KLB BK1 Pg 2  Comprehensive BK1 Pg 2-5  Certificate BK1 Pg 2-3 |  |
|  | 3 | Introduction to Geography | Importance of studying Geography | By the end of the lesson, the learner should be able to:  Explain the importance of studying Geography | Explaining the importance of Geography  Taking notes  Discussing importance of studying Geography | Charts  Maps  Local environments  Atlas  Text books | KLB BK1 Pg 2-3  Comprehensive BK1 Pg 6-7  Certificate BK1 Pg 5-6 |  |
| 6 | 1 | Introduction to Geography | Relationship between, Geography and other disciplines | By the end of the lesson, the learner should be able to:  Identify the relationship between geography and other disciplines | Identifying and explaining the relationship between geography and other disciplines  Discussing these relationships  Taking notes  Asking and answering questions | Textbooks  Atlas  Well maps  Resource person | KLB BK1 Pg 3-6  Comprehensive BK1 Pg 7-10  Certificate BK1 Pg 5-6 |  |
|  | 2 | Earth and solar system | Composition of the solar system | By the end of the lesson, the learner should be able to:  Define solar system  Describe the composition of the solar system | Demonstrating  Discussing  Expositions  Drawing diagrams and sketches | Globe  Atlases  Well maps  Text books  Satellite photos | KLB BK1  Pg 7-12  Comprehensive BK1 Pg 11-14  Certificate BK1 Pg 7-11 |  |
|  | 3 | Earth and solar system | Theories that explain the origin of and the formation of the earth | By the end of the lesson, the learner should be able to  Explain the origin of the earth  Describe origin, size, shape and position of the earth in the solar system | Oral expositions (explanation)  Demonstrations  Class discussion  Asking and answering questions | Globe  Satellite  Photos  Wall maps | KLB BK1  Pg 12-16  Comprehensive BK1 Pg 15-20  Certificate BK1 Pg 10-13 |  |
| 7 | 1 | Earth and Solar system | Rotation and revolution of the earth | By the end of the lesson, the learner should be able to:  Explain how the earth rotates round its axis  Explain how the earth revolves round the sun  Explain the effects of earth’s rotation  Explain the effects of earth’s revolution | Demonstrating  Class discussion  Group work  Drawing diagrams and sketching  Taking notes  Explain rotation and revolution of the earth | Globe  Atlases  Wall maps  Local environment | KLB BK1  Pg 17-18  Comprehensive BK1 Pg 28-31, 22-24  Certificate BK1 Pg13-15 |  |
|  | 2 | Earth and solar system | Longitudes and time  Calculation of time | By the end of the lesson, the learner should be able to  Calculate time using longitudes | Calculating time  Calculating distance  Group work  observing | wall maps  globe  atlases  encyclopedia  teacher’s Guide | KLB BK1  Pg 19-20  Comprehensive BK1 Pg 27-28  Certificate BK1 Pg 15-17 |  |
|  | 3 | Earth and solar system | Internal structure of the earth (earth’s crust) | By the end of the lesson, the learner should be able to:  Describe the structure if the earth  Explain the characteristics of earth’s crust | Discussing  Drawing  Diagrams  Demonstrating | Globe  Student’s book  Encyclopedia | KLB BK1  Pg 21-22  Comprehensive BK1 Pg 28-31  Certificate BK1 Pg 18-19 |  |
| 8 | 1 | Earth and solar system | The core (bar sphere) | By the end of the lesson, the learner should be able to  Explain the characteristics and structure of the core | Drawing diagrams and sketching  Discussing  Making and taking notes  Working in groups | Teacher’s guide  Local environment  Globe  Display board | KLB BK1 Pg 23  Comprehensive BK1 Pg 31  Certificate BK1 Pg 20 |  |
|  | 2 | Earth and solar system | External structure of the earth (hydro-sphere) | By the end of the lesson, the learner should be able to  Describe the structure of the hydrosphere | Drawing/sketching  Explaining (oral explanation)  Summarizing | Atlas  Wall maps  Student’s book  Satellite photos | KLB BK1  Pg 22  Comprehensive BK1 Pg 31-32  Certificate BK1 Pg 18 |  |
|  | 3 | Earth and solar system | Atmosphere  Troposphere  Stratosphere  Me-sphere  Thermosphere  Exosphere | By the end of the lesson, the learner should be able to  Describe the structure of hydrosphere | Explaining (oral explanation)  Making and taking notes  Working in groups  sketching | student’s book  Supplementary library reading  Wall maps  Atlas | KLB BK1  Pg 22  Comprehensive BK1 Pg 32-33  Certificate BK1 Pg 18 |  |
| 9 | 1 | Weather | Meaning of weather  Meaning of climate | By the end of the lesson, the learner should be able to:  Define the term weather  Differentiate between weather and climate | Class discussion  Making and taking notes | Weather  Charts  Students book | KLB BK1  Pg 24  Comprehensive BK1 Pg 34  Certificate BK1 Pg 21 |  |
|  | 2 | Weather | Elements of weather | By the end of the lesson, the learner should be able to:  State the elements of weather | Observing local weather elements  Discussing  Explaining  demonstrating | Resource person  Weather chars  Teachers Guide | KLB BK1 Pg 24  Comprehensive BK1 Pg 34  Certificate BK1 Pg 23-27 |  |
|  | 3 | Weather | Factors influencing temperatures in the surface of the earth  Latitudes  Length of the day  Altitude | By the end of the day, the learner should be able to:  Explain factors that influence temperatures on the earth’s surface | Making and taking notes  Working in a group  summarizing | wall maps  Weather  charts | KLB BK1  Pg 24-25  Comprehensive BK1 Pg 35-36  Certificate BK1 Pg 24-26 |  |
| 10 | 1 | Weather | Factors influencing weather  Distance from the sea  Winds  Cloud cover  Aspect  Atmosphere pressure | By the end of the lesson, the earner should be able to  Describe factors that influence weather | Explaining (oral expositions)  Drawing diagrams and sketches  Class discussion | Weather charts  Text books  School based weather station | KLB BK1  Pg 45-46  Comprehensive BK1 Pg 36-37  Certificate BK1 Pg 27-30 |  |
|  | 2 | Weather | Distribution of pressure system  Characteristics of winds | By the end of the lesson, the learner should be able to:  Detail the distribution of pressure system  Identify the types of clouds | Demonstrating  Observing level wings  Observing clouds in the sky | Wall maps  Atlas  Weather charts  Teachers Guide | KLB BK1  Pg 30-31  Comprehensive BK1 Pg 35-39  Certificate BK1 Pg 31-44 |  |
|  | 3 | Weather | I.T.C.2  Effects of wind  Land and sea breeze | By the end of the lesson ,the learner should be able to:  Analyze the effects of wind and explain the workings of a land and a sea breeze | Drawing diagrams  Explain land and sea breeze | Satellite photos  Cup counter  Anemometer  Weather charts | KLB BK1 Pg 30  Comprehensive BK1 Pg 39-44  Certificate BK1 Pg 42-43 |  |
| 11 | 1 | Weather | Mountain and valley winds  Humidity | By the end of the lesson, the learner should be able to:  Explain how valley winds originate and move  Define humidity | Drawing sketches  Class discussion  Taking and making notes | Weather charts  Text books | KLB BK1  Pg 36-37  Comprehensive BK1 Pg 45-46  Certificate BK1 Pg 26-27 |  |
|  | 2 | Weather | Precipitation  Dew  Fog  Mist  Hail  Rainfall (cyclonic rainfall) | By the end of the lesson, the learner should be able to:  Identify various forms of precipitation  Define cyclonic rain fall | Oral expositions  Demonstrating  Students discussing  Drawing sketches | Teacher’s guide  Weather charts  Relevant pictures | KLB BK1  Pg 26-28  Comprehensive BK1 Pg 47, 51  Certificate BK1 Pg 29-30 |  |
|  | 3 | Weather | Convectional rainfall  Orographic rainfall | By the end of the lesson, the learner should be able to  State the characteristics of convectional and orographic rainfall | Drawing sketches  Observing local weather | Satellite  Photographs  Weather charts  Maps  Student’s book | KLB BK1  Pg 27-28  Comprehensive BK1 Pg 49-50  Certificate BK1 Pg 30-31 |  |
| 12 | 1 | Weather | Study of weather station | By the end of the lesson, the learner should be able to  Carry out a field study of a weather station | Drawing sketches and diagrams  Observing weather instruments | Weather station  Stevenson’s Screen  Pictures of weather instruments | KLB BK1  Pg 43-45  Comprehensive BK1 Pg 45-46  Certificate BK1 Pg 30-31 |  |
|  | 2 | Weather | Weather station –Stevenson’s screen  Factors for citing a weather station | By the end of the lesson, the learner should be able to:  Explain factors that influence citing of a weather station | Drawing sketches and diagrams  Observing weather instruments | Simple weather instruments e.g wind vane, rain gauge, hygrometer, barometer e.t.c | KLB BK1  Pg 32-34  Comprehensive BK1 Pg 42-51  Certificate BK1 Pg 22-23 |  |
|  | 3 | Weather | Description of the structure and composition of the atmosphere | By the end of the lesson, the learner should be able to:  Describe the structure of the atmosphere  Describe the composition of the atmosphere | Taking and making notes  Asking and answering questions  Drawing diagrams | Resource person  Globe  Satellite  Photographs | KLB BK1  Pg 32-40  Comprehensive BK1 Pg 49-50  Certificate BK1 Pg 51-54 |  |
| 13 | 1 | Weather | Measuring elements of weather  Pressure  Temperature  humidity | By the end of the lesson, the learner should be able to:  explain how weather measuring instruments function | Taking notes and making notes  Predicting the weather  discussing | Weather instruments  Pictures of weather  Instruments | KLB BK1  Pg 41-43  Comprehensive BK1 Pg 56-60  Certificate BK1 Pg 45-51 |  |
|  | 2 | Weather | Weather focusing  Traditional methods  Modern methods | By the end of the lesson, the learner should be able to:  Explain how weather focusing is carried out | Analyzing weather data and making conclusions | Weather charts  Weather station  Satellite photos | KLB BK1  Pg 43-45  Comprehensive BK1 Pg 66-67  Certificate BK1 Pg 54-55 |  |
|  | 3 | Weather | Calculating and recording weather conditions  Rainfall  Temperature  Pressure  humidity | By the end of the lesson, the learner should be able to:  describe the weather conditions  calculate and record weather conditions | Calculating of the average analyzing weather data and making conclusions | Student’s book  Teachers guide  Satellite  Photographs | KLB BK1  Pg 39-40  Comprehensive BK1 Pg 60-62  Certificate BK1 Pg 55-57 |  |
| **14** |  | **END OF TERM EXAMINATIONS** | | | | | |  |
| **15** |  | **PREPARATION OF REPORTS AND CLOSING** | | | | | |  |

**GEOGRAPHY SCHEMES OF WORK**

**FORM ONE 2016**

**TERM II**

**REFERENCES:**

1. KLB Secondary Geography
2. Certificate Geography Students Book
3. Teacher’s Book
4. Gateway Secondary
5. Comprehensive Secondary Geography
6. Focus on Geography

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WK** | **LSN** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **L/ACTIVITIES** | **L/T AIDS** | **REFERENCE** | **REMARKS** | |
| 1 | 1-3 | **REPORTING AND REVISION OF LAST TERM’S EXAMS** | | | | | | |
| 2 | 1 | Statistical methods | Definitions of statistics  Types of statistical data  Usage of statistics | By the end of the lesson, the learner should be able to:  Define the term statistics  Identify types and sources of statistical data  State the uses of statistics | Explaining the meaning of statistics  Discussing the types of statistical data  Discussing the sources of the statistical data | Figures obtained from a statistical abstract | KLB BK1  Pg 49-50  Comprehensive BK1 Pg 36-38  Certificate BK1 Pg 61-63 |  | |
|  | 2 | Statistical methods | Sources of statistical data  Primary sources  Secondary sources | By the end of the lesson, the learner should be able to:  Identify primary and secondary sources of statistical data | Visiting the field and interviewing resource persons or observing phenomena directly and recording the information | Statistical abstract  Any statistical figures  Field obtained data | KLB BK1  Pg 49-50  Comprehensive BK1 Pg 75  Certificate BK1 Pg 63 |  | |
|  | 3 | Statistical Methods | Methods of data collection  Observation  Interview  Questionnaire | By the end of the lesson, the learner should be able to:  Identify and describe methods of collecting and recording data | Visiting the fields  Discussing  Designing of questionnaires | Field obtained data  Questionnaires schedules | KLB BK1  Pg 50-52  Comprehensive BK1 Pg 76-79  Certificate BK1 Pg 63-64 |  | |
| 3 | 1 | Statistical methods | Methods of data collection  The measurement method  Sampling types  Random  Systematic  stratified | By the end of the lesson, the learner should be able to  identify the measurement method  identify and describe the types of sampling | taking and making notes  discussing | scores on a geographical test in class | KLB BK1  Pg 53-54  Comprehensive BK1 Pg 80-82  Certificate BK1 Pg 63 |  | |
|  | 2 | Statistical methods | Methods of recording data  Field sketching  Tallying  Tabulation  Photography  Video taping notes taking | By the end of the lesson, the learner should be able to:  Analyze and interpret data collected | Discussing various methods of data recording such as note taking photography e.t.c | Field obtained data | KLB BK1  Pg 55-57  Comprehensive BK1 Pg 83-85  Certificate BK1 Pg 64 |  | |
|  | 3 | Statistical methods | Methods of analyzing data  Mean  Medium  Mode  Percentage  Frequency distribution  range | By the end of the lesson, the learner should be able to:  Analyze and interpret data collected | discussing methods of analyzing their merits and demerits | metrological statistics for a specific station on rainfall and temperature | KLB BK1  Pg 57-59  Comprehensive BK1 Pg 85-88  Certificate BK1 Pg 64-66 |  | |
| 4 | 1 | Statistical methods | Data representation  Line graph  Bar graph  Combined line and bar graph (polygraph) | By the end of the lesson, the learner should be able to:  Present statistical data by use of appropriate graphical methods | Drawing of each graph using data provided | Graph papers  Provide climatic statistics for any specific station to plot graph | KLB BK1  Pg 59-64  Comprehensive BK1 Pg 88-89  Certificate BK1 Pg 66-73 |  | |
|  | 2 | Statistical Methods | Simple wind rose | By the end of the lesson, the learner should be able to:  Present statistical data using a simple wind rose | Drawing of simple rose using statistical data presented | Provide figures from a statistical abstract to draw a simple wind rose | KLB BK1 Pg 65  Comprehensive BK1 Pg 92-93  Certificate BK1 Pg 73-74 |  | |
|  | 3 | Statistical Methods | Advantages and disadvantages of each method of data presentation | By the end of the lesson, the learner should be able to:  State the advantages and disadvantages of the statistical methods | Discussing the advantages and disadvantages of graphs as a means of presenting data | Class discussion  Student’s book | KLB BK1  Pg 59-65  Comprehensive BK1 Pg 88-93  Certificate BK1 Pg 66-74 |  | |
| 5 | 1 | Maps and Map Work | Definitions of pictures, plans and maps | By the end of the lesson, the learner should be able to  Define the terms picture, plan and map | Drawing a simple plan of the classroom  Drawing a simple plan of a school compound | Drawings of simple plans and sketch maps | KLB BK1  Pg 66-68  Comprehensive BK1 Pg 95-96  Certificate BK1 Pg 75 |  | |
|  | 2 | Map and map work | Types of maps  Atlas  Topographical sketch | By the end of the lesson, the learner should be able to  Identify the different types of maps | Discussion on the types of maps and types of scales | Atlas  Topographical maps  Student’s book | KLB BK1 Pg 69  Comprehensive BK1 Pg 96-97  Certificate BK1 Pg 76 |  | |
|  | 3 | Maps and map work | Uses of different maps | By the end of the lesson, the learner should be able to  Identify different uses of maps  *© Education Plus Agencies* | Taking and making notes  Explain the uses of maps | Topographical maps | KLB BK1  Pg 69-70  Comprehensive BK1 Pg 97  Certificate BK1 Pg 77 |  | |
| 6 | 1 | Map and map work | Marginal information  The key  The scale  The compass  The frame | By the end of the lesson, the learner should be able to  Identify different marginal information found in the margin of a map | Learner s viewing various information on select maps | Topographical maps  Student’s book | KLB BK1  Pg 70-73  Comprehensive BK1 Pg 97-98  Certificate BK1 Pg 77-80 |  | |
|  | 2 | Maps and Map work | Maps scale  Representative fraction  linear | By the end of the lesson, the learner should be able to:  identify the different types of maps | discussing on types of maps and types of scales  classroom discussion | provide topographical maps to learners | KLB BK1  Pg 73-74  Comprehensive BK1 Pg 99-100  Certificate BK1 Pg 81-82 |  | |
|  | 3 | Maps and map work | Conversion of scale  R.F to statement scale  R.F to linear scale | By the end of the lesson, the learner should be able to:  Perform conversion of the scales | Drawing single sketches of scales  Practicing how to convert scales | Topographical maps | KLB BK1  Pg 74-75  Comprehensive BK1 Pg 100-101  Certificate BK1 Pg 82 |  | |
| 7 | 1 | Maps and map work | Sizes of scales  Small scale  Medium scale  Large scale | By the end of the lesson, the learner should be able to:  State and explain the different sizes of the scales | Discussion on sizes of the scales | Topographical maps  Student’s book | KLB BK1  Pg 75-76  Comprehensive BK1 Pg 101  Certificate BK1 Pg 83 |  | |
|  | 2 | Maps and Map work | Uses of scales | By the end of the lesson, the learner should be able to:  Identify and explain the different uses of scales | Identifying and explaining the different uses of scales | Topographical maps | KLB BK1  Pg 76-77  Comprehensive BK1 Pg 102  Certificate BK1 Pg 84-86 |  | |
|  | 3 | Maps and Map work | Distances on maps  Measuring distances along a straight line  Using a paper edge  Using a pair of dividers | By the end of the lesson, the learner should be able to:  Measure distance using different methods | Practicing how to measure distance between places on maps | Topographical maps | KLB BK1  Pg 77-79  Comprehensive BK1 Pg 102-105  Certificate BK1 Pg 84 |  | |
| 8 | 1 | Maps and Map work | Calculating areas on map  Regular shapes | By the end of the lesson, the learner should be able to:  Calculate features in maps using scales | Practicing how to calculate areas of certain features on maps | Student’s book  Topographical maps | KLB BK1 Pg 79  Comprehensive BK1 Pg 105  Certificate BK1 Pg 87-89 |  | |
|  | 2 | Maps and map work | Finding the areas of irregular shapes  Grid squares method  Geometry method | By the end of the lesson, the learner should be able to  Calculate areas using strips and graph methods | Practicing law  Calculate areas of irregular shapes | Teacher’s guide  Topographical maps | KLB BK1  Pg 79-80  Comprehensive BK1 Pg 105-106  Certificate BK1 Pg 89-90 |  | |
|  | 3 | Maps and Map work | Strips method  Graphs paper method | By the end of the lesson, the learner should be able to  Calculate areas using strips and graph methods | Practicing how to calculate areas of irregular shapes by graph and strips | Transparent graph papers to enable learners to calculate areas | KLB BK1 Pg 80  Comprehensive BK1 Pg 107-108  Certificate BK1 Pg 90 |  | |
| 9 | 1 | Field work | Definition of field work  Types of field work | By the end of the lesson, the learner should be able to:  Define the term fieldwork  Identify types of fieldwork | Discussing types of field work  Oral exposition  Defining fieldwork  Asking and answering questions | Resource person  Student’s book  Lesson notes | KLB BK1 Pg 82  Comprehensive BK1 Pg 105  Certificate BK1 Pg 91-92 |  | |
|  | 2 | Field work | Importance of field work | By the end of the lesson, the learner should be able to  Explain the importance of field work | Explaining and describing methods of collecting data e.g  Observation  Internal questionnaire | Resource person  Lesson notes  Student’s book | KLB BK1  Pg 82-83  Comprehensive BK1 Pg 110-111  Certificate BK1 Pg 92-93 |  | |
|  | 3 | Field work | Field work procedure | By the end of the lesson, the learner should be able to  Explain the procedure to be followed during fieldwork | Preparing objectives and hypothesis required for field study | Student’s book  Teacher’s guide | KLB BK1  Pg 83-85  Comprehensive BK1 Pg 111  Certificate BK1 Pg 93-95 |  | |
| 10 | 1 | Field work | Formulating hypothesis  Reconnaissance | By the end of the lesson, the learner should be able to:  Explain the procedure to be followed during field work | Preparing hypothesis and carrying out reconnaissance study | Formulated hypothesis  Student’s book  Teacher’s guide | KLB BK1 Pg 87  Comprehensive BK1 Pg 112-114  Certificate BK1 Pg 94-95 |  | |
|  | 2 | Field work | Preparation for field work | By the end of the lesson, the learner should be able to:  Prepare on how to carry out field study | Students reading about the topic of study from relevant books  Gathering equipment, tool, route maps and guiding questions | The field e.g local environment | KLB BK1  Pg 85-88  Comprehensive BK1 Pg 115  Certificate BK1 Pg 94-96 |  | |
|  | 3 | Field work | Problems encountered during fieldwork | By the end of the lesson, the learner should be able to  Mention some of the possible problems encountered in the field and how to cope with them | Classroom discussion  Oral expositions  Taking and making notes | class notes  Student’s book | KLB BK1  Pg 87-88  Comprehensive BK1 Pg 115  Certificate BK1 Pg 102-103 |  | |
| 11 | 1 | Field work | Sample studies | By the end of the lesson, the learner should be able to:  Identify a suitable topic of study and formulate questionnaires and hypothesis | Making notes  Drawing sketches and simple maps and formulating hypothesis | The field (local environment)  Compass  Clinometers | KLB BK1  Pg 89-92  Comprehensive BK1 Pg 115-116  Certificate BK1 Pg 100-102 |  | |
|  | 2 | Field work | Field work within the local environment | By the end of the lesson, the learner should be able to:  Carry out reconnaissance pre-visit study of field work | Student’s to actively involve themselves in fieldwork  Interviewing resource persons while in the fields | The field (local environment  Magnetic compass  Clinometers | KLB BK1  Pg 89-92  Comprehensive BK1 Pg 115-116  Certificate BK1 Pg 100-102 |  | |
|  | 3 | Field work | Field work within the local environment | By the end of the lesson, the learner should be able to:  Visit the field ,take notes, draw sketches interviews and photographs | Involvement in the field work by note-taking sketching  Compiling of a comprehensive field report from the field | The field (local environment)  Magnetic compass  Relevant stationary | KLB BK1  Pg 89-92  Comprehensive BK1 Pg 115-116  Certificate BK1 Pg 100-102 |  | |
| 12 |  | **TOPICAL REVISION** | | | | | |  | |
| 13 |  | **END TERM EXAMS** | | | | | |  | |
| 14 |  | **PREPARATION OF REPORTS AND CLOSING** | | | | | |  | |

**GEOGRAPHY SCHEMES OF WORK**

**FORM ONE 2016**

**TERM III**

**REFERENCES:**

1. KLB Secondary Geography
2. Certificate Geography Students Book
3. Teacher’s Book
4. Gateway Secondary
5. Comprehensive Secondary Geography
6. Focus on Geography

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **WK** | **LSN** | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **L/ACTIVITIES** | **L/T AIDS** | **REFERENCE** | **REMARKS** |
| 1 | 1-3 | **REPORTING AND REVISION OF LAST TERM’S EXAMS** | | | | | |  |
| 2 | 1 | Minerals and Rocks | Definition of minerals and rocks | By the end of the lesson, the learner should be able to:  Define rocks and minerals | Defining the terms mineral and rocks  Classroom discussion | Rock samples  Geological maps  Student’s book | KLB BK1  Pg 94-95  Comprehensive BK1 Pg 119  Certificate BK1 Pg 105 |  |
|  | 2 | Minerals and rocks | Characteristics of minerals | By the end of the lesson, the learner should be able to:  State the characteristics of minerals | Discussion on the various characteristics of minerals  Making and taking notes  Drawing sketch  Asking and answering questions |  | KLB BK1  Pg 95-96  Comprehensive BK1 Pg 119-120  Certificate BK1 Pg 105-106 |  |
|  | 3 | Minerals and rocks | Rocks  Igneous rocks (intrusive) | By the end of the lesson, the learner should be able to:  Classify intrusive igneous rocks according to the mode of formation | Discussing the various modes of formation of igneous rocks  Classifying igneous rocks  Oral exposition  Class debating | Resource person as a geologist | KLB BK1  Pg 96-97  Comprehensive BK1 Pg 120-122  Certificate BK1 Pg 106-107 |  |
| 3 | 1 | Minerals and Rocks | Igneous rocks (extrusive) | By the end of the lesson, the learner should be able to:  Classify extrusive igneous rocks | Making and taking notes  Exposition  Discussion on the extrusive rocks | Rocks specimens  Geological maps  Photographs of rocks | KLB BK1  Pg 98-99  Comprehensive BK1 Pg 122-128  Certificate BK1 Pg 107-108 |  |
|  | 2 | Minerals and Rocks | Sedimentary rocks  Mechanically formed  Organically formed  Chemically formed | By the end of the lesson, the learner should be able to  Explain sedimentary rocks | Making and taking notes  Discussion  Listening and exposition  Asking and answering questions | Student’s books  Rock specimens | KLB BK1  Pg 100-102  Comprehensive BK1 Pg 124-128  Certificate BK1 Pg 109-110 |  |
|  | 3 | Minerals and rocks | Metamorphic rocks  Dynamic metamorphism  Thermal dynamic metamorphism | By the end of the lesson, the learner should be able to:  Explain dynamic and thermal dynamic metamorphism | Making and taking notes  Explaining rock formation by metamorphism  Describing process of metamorphism | Geological maps  Teacher’s guide  Rock specimens | KLB BK1  Pg 102-103  Comprehensive BK1 Pg 128-130  Certificate BK1 Pg 111 |  |
| 4 | 1 | Mineral and Rocks | Thermal metamorphism | By the end of the lesson, the learner should be able to:  Classify and explain rocks formed by thermal metamorphism | Taking and making notes  Demonstration | Local environment  Teacher’s Guide  Diagrams and photographs of rocks formed by thermal metamorphism | KLB BK1  Pg 102-103  Comprehensive BK1 Pg 128-130  Certificate BK1 Pg 111 |  |
|  | 2 | Minerals and rocks | Classification of rocks by age | By the end of the lesson, the learner should be able to:  Classify rocks according to age | Classroom discussion on rock classification  Oral exposition  demonstrating | rock specimen  Geological maps | KLB BK1 Pg 103  Comprehensive BK1 Pg 133  Certificate BK1 Pg 11-113 |  |
|  | 3 | Minerals and Rocks | Characteristics of rocks | By the end of the lesson, the learner should be able to:  State the characteristics of rocks | Asking and answering questions  Discussion on the characteristics of rocks  Stating the characteristics of rocks | Local environment  Diagrams and photographs of rocks  Rock specimens | KLB BK1  Pg 102-104  Comprehensive BK1 Pg 132-134  Certificate BK1 Pg 113 |  |
| 5 | 1 | Minerals and Rocks | Distribution of rocks types in Kenya | By the end of the lesson, the learner should be able to:  Account for the distribution of major types of rocks in Kenya | Drawing a sketch of map of Kenya  Asking and answering questions  Discussion the distribution of rocks  Making and taking notes | Atlas  Geological maps  Diagrams and photographs of different rocks | KLB BK1  Pg 104-106  Comprehensive BK1 Pg 134  Certificate BK1 Pg 113-114 |  |
|  | 2 | Minerals and Rocks | Distribution of Rocks types in Kenya | By the end of the lesson, the learner should be able to:  Account for the distribution of rocks in Kenya | Oral exposition  Drawing diagrams of rocks  Discussing the distribution of rocks  Taking and making notes | Atlas  Geological maps  Diagrams and Photographs of different rocks | KLB BK1  Pg 104-106  Comprehensive BK1 Pg 134  Certificate BK1 Pg 113-114 |  |
|  | 3 | Minerals and Rocks | Significance of Rocks | By the end of the lesson, the learner should be able to:  Explain the significance of rocks | Taking and making notes  Oral exposition  Class debating  Explaining usefulness of rocks | Sample of rocks  Teachers Guide  Student’s Book | KLB BK1  Pg 106-109  Comprehensive BK1 Pg 135  Certificate BK1 Pg 114-116 |  |
| 6 | 1 | Minerals and Rocks | Field work | By the end of the lesson, the learner should be able to:  Identify major types of rocks and their uses within the local environment | Collecting rock samples from local environment  Identifying and classifying them | Rock samples (specimens from the field) | KLB BK1 Pg 109  Comprehensive BK1 Pg 135  Certificate BK1 Pg 116 |  |
|  | 2 | Minerals and Rocks | Practical work | By the end to the lesson, the learner should be able to:  Do practical work, identify and collect rock samples | Displaying fully labeled rock samples  Identifying types of rocks | Rock samples  Photographs of rocks  Pictures and diagrams of rocks | KLB BK1 Pg 109  Comprehensive BK1 Pg 135  Certificate BK1 Pg 116 |  |
|  | 3 | Minerals and Rock | Assessment | By the end of the lesson, the learner should be able to:  Correctly answer the questions asked | Tackling an exercise | Quizzes  Exercise from student’s book  Drawings  Relevant stationery | KLB BK1  Pg 109  Comprehensive BK1 Pg 136  Certificate BK1 Pg 116 |  |
| 7 | 1 | Mining | Definition of mining | By the end of the lesson, the learner should be able to:  Define mining | Defining mining  Taking and making notes  Class discussion on mining | Samples of minerals  Pictures of minerals  Lesson notes | KLB BK1 Pg 110  Comprehensive BK1 Pg 137  Certificate BK1 Pg 117 |  |
|  | 2 | Mining | Factors influencing mining | By the end of the lesson, the learner should be able to  Explain factors influencing the occurrence of minerals | Oral exposition  Making and taking notes  Describing the occurrence of minerals  Identifying factors that influence mineral occurrences | Charts on minerals  Pictures and diagrams of minerals | KLB BK1  Pg 110-111  Comprehensive BK1 Pg 137-138  Certificate BK1 Pg 117 |  |
|  | 3 | Mining | Factors influencing exploitation of mining | By the end of the lesson, the learner should be able to:  Explain factors influencing the exploitation of minerals | Stating factors that influence mineral exploitation  Taking and making notes  Explaining terms | Photographs of minerals  Teachers Guide  Lesson notes | KLB BK1  Pg 111-112  Comprehensive BK1 Pg 138-140  Certificate BK1 Pg 118-119 |  |
| 8 | 1 | Mining | Mining methods ( surface mining) | By the end of the lesson, the learner should be able to:  Describe surface mining as a method of mining | Describing surface mining  Taking and making notes  Classroom discussion on surface mining | Charts on surface mining  Lesson notes | KLB BK1  Pg 112-113  Comprehensive BK1 Pg 141-143  Certificate BK1 Pg 119-120 |  |
|  | 2 | Mining | Methods of mining (underground mining) | By the end of the lesson, the learner should be able to:  Describe underground mining | Describing the underground mining  Taking and making notes  Listing various methods of underground mining | Charts on underground mining  Lesson notes | KLB BK1  Pg 113-115  Comprehensive BK1 Pg 143-145  Certificate BK1 Pg 119 |  |
|  | 3 | Mining | Distribution of major minerals in East Africa | By the end of the lesson, the learner should be able to  Account for the distribution of minerals in Kenya | Drawing a map showing the location of major minerals in Kenya  Making notes and taking them  Asking and answering questions | Atlas  Lesson notes  Geological map  Charts | KLB BK1  Pg 116-118  Comprehensive BK1 Pg 145-147  Certificate BK1 Pg 120-122 |  |
| 9 | 1 | Mining | Distribution of major minerals in East Africa | By the end of the lesson, the learner should be able to:  Account for the distribution of minerals in Kenya | Explaining the various localities where minerals are found  Locating the mineral sites | Atlas  Geological maps  Charts on minerals | KLB BK1  Pg 116-117  Comprehensive BK1 Pg 145-147  Certificate BK1 Pg 122-132 |  |
|  | 2 | Mining | Significance of minerals in Kenya | By the end of the lesson, the learner should be able to:  Explain the economic importance of minerals in Kenya | Discussing the importance of minerals in Kenya  Oral exposition  Asking and answering questions | Newspaper cuttings in minerals  Lesson notes  Products of minerals | KLB BK1  Pg 115-116  Comprehensive BK1 Pg 147-149  Certificate BK1 Pg 133 |  |
|  | 3 | Mining | Problems facing the mining industry in Kenya | By the end of the lesson, the learner should be able to:  Account for the problems facing the mining industry in Kenya | Describing the problems facing mining in Kenya  Oral exposition  Discussion on the problems facing mining industries in Kenya | Lesson notes  Teachers guide  Student’s book | KLB BK1  Pg 118-120  Comprehensive BK1 Pg 149-153  Certificate BK1 Pg 133-137 |  |
| 10 | 1 | Mining | Trona mining in lake Magadi | By the end of the lesson, the learner should be able to:  Describe the occurrence of exploitation of Trona in lake Magadi | Illustrating the occurrence of soda ash in lake Magadi  Drawing sketch  Asking and answering questions | Maps  Charts student’s book | KLB BK1  Pg 120-121  Comprehensive BK1 Pg 153-154  Certificate BK1 Pg 122-123 |  |
|  | 2 | Mining | Gold mining in South Africa | By the end of the lesson, the learner should be able to:  Describe and explain the occurrence and exploitation of Gold in south Africa | Locating the main areas of gold in south Africa  Drawing sketch diagrams  Asking and answering questions | Atlas  Lesson notes  Maps charts on Gold in S.A  Teacher’s guide | KLB BK1  Pg 121-123  Comprehensive BK1 Pg 155-157  Certificate BK1 Pg 126-128 |  |
|  | 3 | Mining | Diamond mining in South Africa | By the end of the lesson, the learner should be able to:  Describe the occurrence and exploitation of diamonds in South Africa | Identifying areas rich in diamonds  Drawing diagrams and sketches | Maps  Charts  Lesson notes  Student’s | KLB BK1  Pg 123-125  Comprehensive BK1 Pg 155-157  Certificate BK1 Pg 125 |  |
| 11 | 1 | Mining | Problems and contributions of mining in S.A | By the end of the lesson, the learner should be able to:  Account for the problems facing mining in South Africa | Discussion of the problems facing mining in South Africa  Taking and making notes  Asking and answering questions | Student’s Book  Newspaper cuttings  Films  Class notes | KLB BK1 Pg 125  Comprehensive BK1 Pg 156-159  Certificate BK1 Pg 133-136 |  |
|  | 2 | Mining | Petroleum mining in the Middle East | By the end of the lesson, the learner should be able to:  Describe the occurrence of petroleum and its exploitation in the middle East | Asking and answering questions  Discussion on the occurrence  Making and taking notes | Teacher’s guide  Newspaper cuttings  Student’s book  Maps  :Lesson notes | KLB BK1  Pg 125-129  Comprehensive BK1 Pg 160-162  Certificate BK1 Pg 136 |  |
|  | 3 | Mining | Contribution and problems facing oil industry in middle East | By the end of the lesson, the learner should be able to  Explain the contribution of petroleum to economy of the Middle East | Explaining the importance of petroleum to the middle East  Making notes  Discussion on the contribution of oil in the Middle East | Lesson notes  Student’s book  Teacher’s book  Pictures and photographs of industry | KLB BK1  Pg 129-131  Comprehensive BK1 Pg 162-163  Certificate BK1 Pg 137-138 |  |
| 12 |  | **END OF YEAR EXAMINATIONS** | | | | | |  |