**AGRICULTURE SCHEMES OF WORK**

**FORM ONE 2016**

**TERM I**

**REFERENCES:**

1. Longhorn Secondary Agriculture Book
2. Top mark Agriculture
3. Certificate Agriculture Book
4. Gateway Agriculture revision
5. KLB Secondary Agriculture
6. Teacher’s Guide

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| WK | LSN | **TOPIC** | **SUB-TOPIC**  **SUB-TOPICS** | **OBJECTIVES** | **L/ACTIVITIES** | **L/T AIDS** | **REFERENCE** | **REMARKS** |
| **4** | **1** | Introduction to Agriculture | Definition and branches of Agriculture | By the end of the lesson, the learner should be able to  Define Agriculture  State main branches of Agriculture | Definition of Agriculture  Giving examples  Use of questions and answers  Note taking | Charts  Tree diagrams  Students book  Chalk board  handouts | KLB secondary Agriculture form 1 pg 1-3  Certificate Agriculture F1 pg 1-3  Longhorn secondary Agriculture form 1 pg 1-5  Teachers guide pg 37  Golden tips KCSE Agriculture pg 4-5  Top mark Agric Pg 2-2 |  |
|  | **2-3** | Introduction to Agriculture | Crop farming  Livestock farming  Agricultural economics and engineering | By the end of the lesson, the learner should be able to  State various types of crop and animal farming  Describe various types of crop and animal farming  Explain agricultural economics and engineering | Giving descriptions of crops and animals  Explanations  Note taking | Photographs  Charts  Students book  Chalk board | KLB secondary Agriculture form 1 pg 3-5  Certificate F1 Agriculture pg 3  Longhorn secondary Agriculture form 1 pg 2-6  Teachers guide pg 37  Golden tips KCSE Agriculture pg 5-6  Top mark Revision pg 2-4 |  |
| **5** | **1** | Introduction to Agriculture | Systems of farming  Extensive  Intensive  Small scale  Large scale | By the end of the lesson, the learner should be able to  State and describe farming systems  State and explain the advantages and disadvantages of each system | Asking questions  Answering questions  Describing farming systems  Stating advantages and disadvantages of each  Note taking | Student’s book  Charts  Diagrams | KLB secondary Agriculture form 1 pg 5  Certificate F1 pg 5-7  Longhorn secondary Agriculture form 1 pg 6-9  Teachers guide pg 38  Golden tips KCSE Agriculture pg 6-7  Top mark Revision pg 3 |  |
|  | **2-3** | Introduction to Agriculture | Methods of faming  Mixed  Nomadic  Shifting  Organic  agro forestry | By the end of the lesson ,the learner should be able to  identify various methods of farming  explain the various methods | explanations of the methods  identification of methods  note taking | photographs  livestock product  charts  chalkboard | KLB secondary Agriculture form 1 pg 6-8  Certificate F1 pg 7-10  Longhorn secondary Agriculture form 1 pg 9-12  Teachers guide pg 39  Golden tips KCSE Agriculture pg 7-8  Top mark Revision pg 4-5 |  |
| **6** | **1** | Introduction to Agriculture | Role of Agriculture in the economy | By the end of the lesson, the learner should be able to  State and explain the roles of agriculture in economy | Explaining the roles of Agriculture in the economy  Appreciating the importance of Agriculture  Note taking | Raw Materials  Flow charts  Specimen on produce  Industrial goods | KLB secondary Agriculture form 1 pg 8-9  Certificate F1 pg 3-4 Longhorn secondary Agriculture form 1 pg 9-12  Teachers guide pg 39  Golden tips KCSE Agriculture pg 7-8  Top mark Revision pg 5 |  |
|  | **2-3** | Factors influencing agriculture | Human factors | By the end of the lesson, the learner should be able to  State and explain human factors influencing agriculture | Explaining the human factors influencing agriculture | Charts with HIV data  Photographs on means of transport | KLB secondary Agriculture form 1 pg 11-15  Certificate F1 pg 11-12  Longhorn secondary Agriculture form 1 pg 16-21  Teachers guide pg 43-44  Golden tips KCSE Agriculture pg 7-8  Top mark Revision pg 7 |  |
| **7** | **1** | Climatic factors | Factors influencing Agriculture | By the end of the lesson, the learner should be able to  Identify and explain the biotic factors influencing agriculture | Explaining the biotic factors  Identify the factors | Weather  Station equipment  Maps in students books  Maps showing rainfall distribution | KLB secondary Agriculture form 1 pg 16-17  Certificate F1 pg 20  Longhorn secondary Agriculture form 1 pg 21-24  Teachers guide pg 43-45  Golden tips KCSE Agriculture pg 7-8  Top mark Revision pg 7 |  |
|  | **2-3** | Factors influencing Agriculture | Climatic factors | By the end of the lesson, the learner should be able to  State climatic factors  Describe how climatic factors influence Agriculture | Stating climatic factors  Describing how climatic factors influence agriculture | Weather  Station equipment  Maps in students books  Maps showing rainfall distribution | KLB secondary Agriculture form 1 pg 18-21  Certificate F1 pg 13-129  Longhorn secondary Agriculture form 1 pg 24-32  Teachers guide pg 46 |  |
| **8** | **1** | Factors influencing Agriculture | Edaphic Factors | By the end of the lesson, the learner should be able to  Define soil  Describe soil formation processes | Defining soil  Describing soil formation processes | Soil samples  Diagrams in students book | KLB secondary Agriculture form 1 pg 22-29  Certificate F1 pg 21-26  Longhorn secondary Agriculture form 1 pg 33-38  Teachers guide pg 47  Golden tips KCSE Agriculture pg 7-8  Top mark Revision pg 9-10 |  |
|  | **2-3** | Factors influencing Agriculture | Soil profile | By the end of the lesson, the learner should be able to describe the soil profile  Explain its influence on crop production | Describing soil profile  Explaining its influence on crop production | Diagrams in students books  Excavated areas charts showing soil profile | KLB secondary Agriculture form 1 pg 22-29  Certificate F1 pg 21-26  Longhorn secondary Agriculture form 1 pg 33-38  Teachers guide pg 47  Top mark Revision pg 9-10 |  |
| **9** | **1** | Factors influencing Agriculture | Soil constituents  Mineral & organic matter | By the end of the lesson, the learner should be able to  Determine soil constituents  State the importance of each constituents | Determining soil constituents  Stating the importance of soil constituents | Sieves  Soil samples  Lens  Diagrams and apparatus in students book | KLB secondary Agriculture form 1 pg 32-33  Certificate F1 pg 29-34  Longhorn secondary Agriculture form 1 pg 40-49  Teachers guide pg 49  Gateway secondary Revision paper 1 pg 15-17  Top mark Revision pg 12-13 |  |
|  | **2-3** | Factors influencing Agriculture | Soil constituents  Organic matter  Air  Water  Living organisms | By the end of the lesson, the leaner should be able to  Determine soil constituents  State the importance of each constituents | Determining soil constituents  Stating the importance of soil constituents | Sieves  Soil samples  Lens  Diagrams and apparatus in students book | KLB secondary Agriculture form 1 pg 32-33  Certificate F1 pg 29-34  Longhorn secondary Agriculture form 1 pg 40-49  Teachers guide pg 49  Gateway secondary Revision paper 1 pg 15-17  Top mark Revision pg 12-13 |  |
| **10** | **1** | Factors influencing Agriculture | Physical properties of soil | By the end of the lesson, the learner should be able to  Classify soil according to structure | Classify soil according to structure | Soil samples  Diagrams in the students book  School farm | KLB secondary Agriculture form 1 pg 43-45  Certificate F1 pg 40-42  Longhorn secondary Agriculture form 1 pg 49-53  Teachers guide pg 47  Gateway secondary Revision paper 1 pg 17-19  Top mark Revision pg 12 |  |
|  | **2-3** | Factors influencing Agriculture | Physical properties of soil | By the end of the lesson, the learner should be able to  Classify soil according to texture and colour | Classifying soil according to texture and colour | Soil samples  Diagrams in the students book  School farm | KLB secondary Agriculture form 1 pg 46-54  Certificate F1 pg 35-39  Longhorn secondary Agriculture form 1 pg 53-59  Teachers guide pg 47  Gateway secondary Revision paper 1 pg 17-19  Top mark Revision pg 13-14 |  |
| **11** | **1** | Factors influencing Agriculture | Influencing of physical and chemical properties of soil on crop production | By the end of the lesson, the learner should be able to  Explain the chemical properties of soil | Explain the chemical properties of soil | PH Meter  PH Papers  Diagrams | KLB secondary Agriculture form 1 pg 55-56  Certificate F1 pg 43-45  Longhorn secondary Agriculture form 1 pg 59-60  Teachers guide pg 47  Gateway secondary Revision paper 1 pg 19-20  Top mark Revision pg 13-14 |  |
|  | **2-3** | Factors influencing Agriculture | Influence of physical and chemical properties of soil on crop production | By the end of the lesson, the learner should be able to  Explain the effects of PH on mineral availability Relate crop and animal distribution to chemical and physical properties of soil | Explain the effects of soil PH relating crop and animal distribution on soil properties | Charts on PH  Distribution maps for crops and livestock in Kenya School | KLB secondary Agriculture form 1 pg 56-57  Certificate F1 pg 45-47  Longhorn secondary Agriculture form 1 pg 53-60  Teachers guide pg 47  Gateway secondary Revision paper 1 pg 17-20  Top mark Revision pg 13-14 |  |
| **12**  **13** |  | **TOPICAL REVISION** | | | | | |  |
| **14** |  | **END OF TERM ONE EXAMINATIONS** | | | | | |  |
| **15** |  | **MARKING AND CLOSING** | | | | | |  |

**AGRICULTURE SCHEMES OF WORK**

**FORM ONE 2016**

**TERM II**

**REFERENCES:**

1. Longhorn Secondary Agriculture Book
2. Top mark Agriculture
3. Certificate Agriculture Book
4. Gateway Agriculture revision
5. KLB Secondary Agriculture
6. Teacher’s Guide

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| WK | LSN | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **L/ACTIVITIES** | **L/T AIDS** | **REFERENCE** | **REMARKS** |
| **1** | **1-2** | Farm tools and Equipment | Garden and equipment | By the end of the lesson, the learner should be able to  Identify various garden tools and equipments  Draw various garden tools and equipments  Name the garden tools and equipments various parts | Identifying tools and demonstrating their use  Draw the garden tools and equipments  Name various parts | Garden tools and equipments  Diagrams in students books  photographs | KLB secondary Agriculture form 1 pg 59-62  Certificate F1 pg 49-54  Longhorn secondary Agriculture form 1 pg 63-67  Teachers guide pg 52-54  Gateway secondary Revision paper 2 pg 90-99 |  |
|  | **3** | Farm tools and Equipment | Garden tools and equipment | By the end of the lesson, the learner should be able to  State the use of various tools  Carry out maintenance practices on tools and equipments | State the use of tools  Practicing  Maintenance of tools and equipments | Photographs of tools  Diagrams in students book  School farm | KLB secondary Agriculture form 1 pg 59-62  Certificate F1 pg 49-56  Longhorn secondary Agriculture form 1 pg 63-67  Teachers guide pg 52-54  Gateway secondary Revision paper 2 pg 90-99 |  |
| **2** | **1-3** | Farm tools and Equipments | Workshop tools and equipment | By the end of the lesson, the learner should be able to  Identify workshop tools and equipment  Name various parts  State the use of various tools  Carry out maintain ace practices on workshop tools and equipment | Identifying tool  Demonstrating their use  Drawing the tools  Labeling the parts  Practicing maintenance of tools and equipment | Workshop tools  Diagrams in students text books  School store  School farm | KLB secondary Agriculture form 1 pg 75-93  Certificate F1 pg 59-71  Longhorn secondary Agriculture form 1 pg 84-101  Teachers guide pg 52-54  Gateway secondary Revision paper 2 pg 107-117 |  |
| **3** | **1-3** | Farm tools and Equipment | Livestock production tools | By the end of the lesson the learner should be able to  Identify livestock production tools  Draw various livestock production tools  Name various parts of the tools  State the use of the various tools  Carry out maintenance practices on livestock production tools | Drawing tools  Labeling  Demonstrating their use  Identifying the tools  Practicing maintenance practices | Livestock  Diagrams on students book  Livestock store  School farm | KLB secondary Agriculture form 1 pg 63-74  Certificate F1 pg 54-59  Longhorn secondary Agriculture form 1 pg 74-84  Teachers guide pg 52-54  Gateway secondary Revision paper 2 pg 100-106 |  |
| **4** | **1-3** | Farm tools and Equipment | Plumbing and masonry tools and equipment | By the end of the lesson, the learner should be able to  Identify plumbing and masonry tools and equipment  Name parts of various plumbing and masonry tools and equipment  Draw the various plumbing and masonry tools and equipment  State the use of various plumbing and masonry tools and equipment  Carry out maintenance practices on plumbing and masonry tools and equipment | Naming parts of tools  Drawing various tools  Stating the use of the tools  Carrying out maintenance practices | School workshop  Drawing in the students book  Plumbing and masonry tools | KLB secondary Agriculture form 1 pg 99-102  Certificate F1 pg 72-75  Longhorn secondary Agriculture form 1 pg 97-101  Teachers guide pg 52-54  Gateway secondary Revision paper 2 pg 116-117 |  |
| **5** | **1** | Land Preparation (Crop production 1) | Definition and importance of land preparation  Land clearing | By the end of the lesson, the learner should be able to  Define land preparation  Explain importance of land preparation  Describing land clearing | Defining and preparation  Explaining the importance of land preparation  Describing land clearing | School farms  Panga  Slashers  digging | KLB secondary Agriculture form 1 pg 104-105  Certificate F1 pg 77-78  Longhorn secondary Agriculture form 1 pg 103-105  Teachers guide pg 56-57  Top mark Agric pg 28 |  |
|  | **2-3** | Land Preparation | Primary cultivation  Secondary Cultivation | By the end of the lesson, the learner should be able to  Define primary and secondary cultivation  Explain how each is carried out and importance  Discuss the choice of correct tool and equipment for each operation | Defining terms  Explain how each is carried out  Discussion the correct choice of tools and equipment | School farms  Jembes  Diagrams in students books  pangas | KLB secondary Agriculture form 1 pg 106-110  Certificate F1 pg 79-84  Longhorn secondary Agriculture form 1 pg 105-109  Teachers guide pg 58-59  Gateway secondary Revision paper 2 pg 116-117  Top-mark secondary Agric Revision pg 28-29 |  |

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| **6** | **1** | Land Preparation | Tertiary Operation | By the end of the lesson, the learner should be able to  Identify tools used in tertiary operations  Explain how each of the operation is done  State the importance of the operation | Discussion  Identifying the tools  Explaining how operation is done | Drawing in the students book  Photographs of tools used | KLB secondary Agriculture form 1 pg 110-113  Certificate F1 pg 85-87  Longhorn secondary Agriculture form 1 pg 109-111  Teachers guide pg 59  Gateway secondary Revision paper 2 pg 116-117  Top-mark secondary Agric Revision pg 29 |  |
|  | **2-3** | Land Preparation | Minimum tillage  Meaning  Importance  practices | By the end of the lesson, the learner should be able to  Define minimum tillage  Explain how it is done  State the importance  List the practices involved in minimum tillage | Defining minimum tillage  Explaining how it is done  Stating the importance  Listing practices involved | School farm | KLB secondary Agriculture form 1 pg 112-113  Certificate F1 pg 85-86  Longhorn secondary Agriculture form 1 pg 112  Teachers guide pg 57-59  Top-mark secondary Agric Revision pg 29 |  |
| **7** | **1** | Water supply irrigation and drainage | Water supply  Source  importance | By the end of the lesson, the learner should be able to  Describe the various sources of water in the farm  State the importance in the farm | Describing sources of water  Stating the importance of water in the farm | Drawing in student book  Photographs of dam, boreholes | KLB secondary Agriculture form 1 pg 120-126  Certificate F1 pg 94-100  Longhorn secondary Agriculture form 1 pg 116-121  Teachers guide pg 62-63  Gateway Agriculture revision paper 1 page 127-288 |  |
|  | **2-3** | Water Supply Irrigation and drainage | Water collection storage of water  Pumping of water  Conveyance of water | By the end of the lesson, the learner should be able to  Describe collection, pumping and conveyance of water | Describing collecting, pumping and conveyance of water | Pipes  Pumps  Tanks  Water treatment plant  Diagrams in students book | KLB secondary Agriculture form 1 pg 120-126  Certificate F1 pg 94-100  Longhorn secondary Agriculture form 1 pg 116-121  Teachers guide pg 62-63  Gateway Agriculture revision paper 1 page 127-288 |  |
| **8** | **1** | Water Supply irrigation and drainage | Water treatment methods and importance | By the end of the lesson, the learner should be able to  State methods of water treatment  Describe the method  State the importance of water treatment | Stating the methods of water treatment  Describing the methods  Stating importance of water | Charts  Water treatment plants  Diagrams in the student book | KLB secondary Agriculture form 1 pg 126-129  Certificate F1 pg 98-100  Longhorn secondary Agriculture form 1 pg 121-125  Teachers guide pg 62-63  Gateway Agriculture revision paper 1 page 129-130 |  |
|  | **2-3** |  | Irrigation  Definition  Importance  methods | By the end of the lesson, the learner should be able to  define irrigation  state the importance of irrigation |  | charts  school farm  students book  photographs | KLB secondary Agriculture form 1 pg 129-130  Certificate F1 pg 101-103  Longhorn secondary Agriculture form 1 pg 125-129  Teachers guide pg 62-63  Gateway Agriculture revision paper 1 page 130  Top mark secondary Agriculture pg 16 |  |
| **9** | **1** | Water supply, irrigation and drainage | Methods of irrigation surface/basin irrigation  Overhead irrigation | By the end of the lesson, the learner should be able to  Describe surface and overhead irrigation | Describing surface and overhead irrigation | School farm  Drawings in students book  Photographs, sprinklers and spades | KLB secondary Agriculture form 1 pg 130-131,134  Certificate F1 pg 104-106  Longhorn secondary Agriculture form 1 pg 128-130  Teachers guide pg 62-63 |  |
|  | **2-3** | Water supply, irrigation and drainage | Methods of irrigation  Drip irrigation  Sub-surface | By the end of the lesson, the learner should be able to  Describe drip and sub-surface irrigation | Describe both drip and sub-surface irrigation | School farm  Drawings in the students book  Photographs  Bottles  pipes | KLB secondary Agriculture form 1 pg 132-134  Certificate F1 pg 107-108  Longhorn secondary Agriculture form 1 pg 131-133  Teachers guide pg 62-63  Gateway Agriculture revision paper 1 page 132,134  Top mark secondary Agriculture pg 16 |  |
| **10** | **1** | Water supply and irrigation and drainage | Drainage  Definition  Importance  Causes of poor drainage | By the end of the lesson , the learner should be able to  Define drainage  Explain the importance of drainage  Describe causes of poor drainage | Defining drainage  Explaining the importance of drainage  Describe the causes of poor drainage | Charts  Photographs  Diagrams in the student book | KLB secondary Agriculture form 1 pg 136-139  Certificate F1 pg 108-109  Longhorn secondary Agriculture form 1 pg 133-134  Teachers guide pg 63-65  Gateway Agriculture revision paper 1 page 134-134 |  |
|  | **2-3** | Water supply irrigation and drainage | Methods of drainage  Water pollution | By the end of the lesson, the learner should be able to  Describe methods of drainage  Define water pollution  Explain how farming practices causes pollution | Describe methods of drainage  Defining water pollution  Explain how farming practices cause pollution | School farm  Drawing in students book  Photographs  Polluted water  School farm | KLB secondary Agriculture form 1 pg 137-141  Certificate F1 pg 108-110  Longhorn secondary Agriculture form 1 pg 135-138  Teachers guide pg 63-65  Gateway Agriculture revision paper 1 page 136 |  |
| **11** | **1** | Soil Fertility (organic)  (Manures) | Soil fertility | By the end of the lesson, the learner should be able to  Define soil fertility  Explain the factor influencing soil fertility | Define soil fertility  Explain factors influencing soil fertility | Soil samples  Charts  School farm | KLB secondary Agriculture form 1 pg 140-144  Certificate F1 pg 112-113  Longhorn secondary Agriculture form 1 pg 140  Teachers guide pg 63-65  Gateway Agriculture revision paper 1 page 136 |  |
|  | **2-3** | Soil Fertility | Soil Fertility | By the end of the lesson, the learner should be able to  Explain how soil fertility loses its fertility  Describe how soil fertility can be maintained | Explaining how soil loses its fertility  Describing how soil fertility is maintained | Leached soils  Samples of fertile soil  Eroded soil | KLB secondary Agriculture form 1 pg 143-146  Certificate F1 pg 112-113  Longhorn secondary Agriculture form 1 pg 141-142  Teachers guide pg 68-69  Gateway Agriculture revision paper 1 page 61-62 |  |
| **12** | **1** | Organic manure | Definition  importance | By the end of the lesson, the learner should be able to  Define organic manures  Explain the importance of organic manure | Definition  Explanation of importance of organic manure | Chalkboard  School farm  charts | KLB secondary Agriculture form 1 pg 146-147  Certificate F1 pg 113  Longhorn secondary Agriculture form 1 pg 143-144  Teachers guide pg 69-71  Gateway Agriculture revision paper 1 page 62-63 |  |
|  | **2-3** | Organic Manure | Types of organic manure | By the end of the lesson, the learner should be able to  State the 3 types of organic manure  Describe preparation of green manure  Describe preparation of farmyard manure  Describe preparation of compost manure | Stating types of organic manure  Describing the preparation of green, farmyard and compost manure | Sample of green manure  Sample of compost manure  Sample of farm yard | KLB secondary Agriculture form 1 pg 148-154  Certificate F1 pg 114-117  Longhorn secondary Agriculture form 1 pg 145-150  Teachers guide pg 69-71  Gateway Agriculture revision paper 1 page 63-64  Top mark revision Agriculture for m 1 page 31-33 |  |
| **13** |  | **END OF TERM TWO EXAMINATIONS** | | | | | |  |
| **14** |  | **MARKING AND CLOSING** | | | | | |  |

**AGRICULTURE SCHEMES OF WORK**

**FORM ONE 2016**

**TERM III**

**REFERENCES:**

1. Longhorn Secondary Agriculture Book
2. Top mark Agriculture
3. Certificate Agriculture Book
4. Gateway Agriculture revision
5. KLB Secondary Agriculture
6. Teacher’s Guide

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| WK | LSN | **TOPIC** | **SUB-TOPIC** | **OBJECTIVES** | **L/ACTIVITIES** | **L/T AIDS** | **REFERENCE** | **REMARKS** |
| **1** | **1** | Livestock Breeds | Importance of livestock | By the end of the lesson, the learner should be able to  Explain the importance of livestock to man | Explaining the importance of livestock to man  Asking and answering questions | Photographs of livestock  Livestock products e,g skin, milk | KLB secondary Agriculture form 1 pg 155  Certificate Secondary Agriculture F1 pg 118  Longhorn secondary Agriculture form 1 pg 152-153  Teachers guide pg 73-74  Gateway Agriculture revision paper 1 page 62-63  Top mark Agriculture page 173 |  |
|  | **2-3** | Livestock Breeds | Cattle breeds  Exotic  indigenous | By the end of the lesson, the learner should be able to  state examples of exotic and indigenous breeds  describe the characteristics of exotic and indigenous cattle | stating examples  describing the characteristics of exotic and local cattle breeds | charts  photographs  school farm  drawings from student books | KLB secondary Agriculture form 1 pg 155  Certificate Secondary Agriculture F1 pg 118  Longhorn secondary Agriculture form 1 pg 152-153  Teachers guide pg 73-74  Gateway Agriculture revision paper 1 page 62-63  Top mark Agriculture page 173 |  |
| **2** | **1-3** | Livestock breeds | Dairy  Cattle  breeds | By the end of the lesson, the learner should be able to  Identify various breeds  Describe their characteristics  Draw and label the external parts of cattle | Describing the characteristics of cattle breeds  Drawing the external parts of the cattle  Labeling the external parts of the cattle  Identifying various breeds | Charts  Photographs  Drawing from the students book  School farm | KLB secondary Agriculture form 1 pg 159-162  Certificate Secondary Agriculture F1 pg 119-122  Longhorn secondary Agriculture form 1 pg 158-162  Teachers guide pg 73-77  Gateway Agriculture revision paper 1 page 1-4  Top mark Agriculture page 173 |  |
| **3** | **1-2** | Livestock Breeds | Beef breeds | By the end of the lesson, the learner should be able to  Identify various breeds  Describe their characteristics  Draw the external parts of cattle  Label the external parts of the cattle | Identifying various breeds  Describing the characteristics of cattle breeds  Drawing external parts of cattle  Labeling the external parts of cattle | Charts  Photographs  School farm  Drawings from the student’s book. | KLB secondary Agriculture form 1 pg 162-165  Certificate Secondary Agriculture F1 pg 124-126  Longhorn secondary Agriculture form 1 pg 155-158  Teachers guide pg 73-77  Gateway Agriculture revision paper 1 page 3-4 |  |
|  | **3** | Livestock Breeds | Dual Purpose Breeds | By the end of the lesson, the learner should be able to  Identify various breeds  Describe their characteristics  Draw and label the external parts of the cattle | Identifying various breeds  Describing their characteristics  Drawing and labeling their external parts | Charts Photographs  Wall hangings showing dual breeds  School farm  Drawing from the students book | KLB secondary Agriculture form 1 pg 164-165  Certificate Secondary Agriculture F1 pg 127-129  Longhorn secondary Agriculture form 1 pg 164-168  Teachers guide pg 73-77  Gateway Agriculture revision paper 1 page 1-4  Top mark Agriculture page 75 |  |
| **4** | **1-3** | Livestock Breeds | Sheep breeds  Wool sheep  Mutton sheep  Dual sheep | By the end of the lesson, the learner should be able to  Identify various breeds  Describe their characteristics  Draw the external parts of sheep  Labeling the external pars | Identifying the various breeds  Describing their characteristics  Drawing the external parts of the sheep  Labeling the external parts | Charts  Photograph  School farm  Drawings from the students book | KLB secondary Agriculture form 1 pg 174-179  Certificate Secondary Agriculture F1 pg 129-134  Longhorn secondary Agriculture form 1 pg 164-168  Teachers guide pg 73-77  Gateway Agriculture revision paper 1 page 8  Top mark Agriculture page 75-76 |  |
| **5** | **1-3** | Livestock breeds | Goats Breeds  Milk  Meat  Hair | By the end of the lesson, the learner should be able to  identify various breeds  describe their characteristics  draw the external parts of the goat  label the external parts of the goat | identifying various breeds  describing the characteristics of goat breeds  drawing the external parts of the goat | charts  photographs  drawing from the student books  school farm | KLB secondary Agriculture form 1 pg 179-182  Certificate Secondary Agriculture F1 pg 135-137  Longhorn secondary Agriculture form 1 pg 169-173  Teachers guide pg 73-77  Top mark Agriculture page 76 |  |
| **6** | **1-3** | Livestock Breeds | Pigs  Breeds  Bacon  pork | By the end of the lesson, the learner should be able to  Identify various breeds of pigs  Describe their characteristics  Draw the external parts of pigs  Labeling the external parts of the goat | Identifying various breeds  Drawing the various external parts of a pig  Labeling the external parts  Describing the characteristics | Drawings from the students book  Photographs  Charts  School farm | KLB secondary Agriculture form 1 pg 165-171  Certificate Secondary Agriculture F1 pg 139-140  Longhorn secondary Agriculture form 1 pg 174-178  Teachers guide pg 73-77  Gateway Agriculture revision paper 1 page 5-6  Top mark Agriculture page 77 |  |
| **7** | **1-3** | Livestock Breeds | Chicken  Light breeds  Heavy breeds  Dual purposes  hybrids | By the end of the lesson, the learner should be able to  identify various breeds  describe their characteristics  draw the various external parts  draw the various external parts  label the various external parts | identify various breeds  describing the characteristic of various breeds  drawing the external parts of chicken  labeling the various parts of the chicken | school farm  photographs  charts  drawings from the students books | KLB secondary Agriculture form 1 pg 171-174  Certificate Secondary Agriculture F1 pg 143-145  Longhorn secondary Agriculture form 1 pg 178-182  Teachers guide pg 73-77  Gateway Agriculture revision paper 1 page 6-7  Top mark Agriculture page 77 |  |
| **8** | **1** | Livestock breeds | Rabbit breed  Characteristics  drawings | By the end of the lesson, the learner should be able to  Identify various breeds  Describe their characteristics  Draw and label the external parts | Identifying various breeds  Describing their characteristics  Drawing the external parts of rabbit  Labeling the various parts | Photographs  Charts  Drawings in the students book  School farm | KLB secondary Agriculture form 1 pg 182-184  Certificate Secondary Agriculture F1 pg 141-142  Longhorn secondary Agriculture form 1 pg 164-168  Teachers guide pg 73-77  Top mark Agriculture page 78 |  |
|  | **2-3** | Livestock breeds | Camels, donkeys breeds  Characteristics  drawings | By the end of the lesson, the learner should be able to  Identify various breeds  Describe characteristics  Draw and label external parts of camels | Identifying various breeds  Describing their characteristics  Drawing external parts  Labeling the various parts | Drawings in the students book  School farm  Charts  photographs | KLB secondary Agriculture form 1 pg 185-186  Certificate Secondary Agriculture F1 pg 146-147  Longhorn secondary Agriculture form 1 pg 186  Teachers guide pg 73-77  Gateway Agriculture revision paper 1 page 10-11  Top mark Agriculture page 78 |  |
| **9** | **1** | Livestock breeds | Terms used to describe livestock  Age  Sex  Use | By the end of the lesson, the learner should be able to  Explain the terms used to describe livestock | Explaining the various terms used to describe livestock | School farm  Charts  Photographs  Drawing from the student book | KLB secondary Agriculture form 1 pg 164-165  Longhorn secondary Agriculture form 1 pg 164-168  Teachers guide pg 73-77 |  |

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|  | **2-3** | Agriculture Economics | Economics  Definition  Agricultural economics | By the end of the lesson, the leaner should be able to  Define economics  Define agricultural economics  Explain the factors of production | Defining economics  Explaining the factors of production | Flow chart  Students book | KLB secondary Agriculture form 1 pg 189  Certificate Secondary Agriculture F1 pg 149  Longhorn secondary Agriculture form 1 pg 190-191  Teachers guide pg 78-80 |  |
| **10** | **1** | Agricultural Economics | Basic concepts of economics principles  Scarcity  Opportunity cost  Preference & choice | By the end of the lesson, the learner should be able to  State basics concepts of economics  Explain the basic concepts of economics | State basic concepts  Explaining the basic concepts of economics | Students books  Chalk board | KLB secondary Agriculture form 1 pg 189-190  Certificate Secondary Agriculture F1 pg 149-150  Longhorn secondary Agriculture form 1 pg 191-192  Teachers guide pg 78-80 |  |
|  | **2-3** | Agricultural Economics | Farm records define  Types of records  importance | By the end of the lesson, the leaner should be able to  Define farm records  Explain the uses of farm records  Describe breeding and feeding records | Defining farm records  Explaining uses of farm records  Describing breeding and feeding records | Sample records  School farm  Sample records in students book | KLB secondary Agriculture form 1 pg 190-191,194-196  Certificate Secondary Agriculture F1 pg 150-156-158  Longhorn secondary Agriculture form 1 pg 193-196  Teachers guide pg 80-81 |  |
| **11** | **1** | Agricultural Economics | Farm records  Production records  Health records  Field records | By the end of the lesson, the learner should be able to  State the farm records  Describing production health, field records | Stating farm records  Describing production, health and field records | Diagrams on students book  Charts  chalkboard | KLB secondary Agriculture form 1 pg 193,197  Certificate Secondary Agriculture F1 pg 152-154  Longhorn secondary Agriculture form 1 pg 198-200  Teachers guide pg 80-81  Gateway Agriculture revision paper 1 page 1-4  Top mark Agriculture page 75 |  |
| **12 END TERM THREE EXAMS** | | | | | | | | |