

## AGRIC, F2, T1

**REFERENCES:** Longhorn Secondary Agriculture Book , Golden Tips KCSE Agriculture, Certificate Agriculture Book, KLB Top Mark Agriculture, KLB Secondary Agriculture, Teacher’s Guide

W K	LS N	TOPIC	SUB-TOPIC	OBJECTIVES	L/ACTIVITIES	L/T AIDS	REFERENCE	REMARKS
1	1	Soil Fertility	Essential elements	By the end of the lesson, the learner should be able to List essential elements Classify the essential elements	Listing essential elements Classifying the essential elements	Students book Charts on classification of essential minerals	KLB secondary Agriculture form 2 pg 1,6 Certificate Secondary Agriculture F2 pg 1-2 Longhorn secondary Agriculture form 2 pg 1-2 Teachers guide pg 33-36 Gateway Agriculture revision paper 1 page 37, 39 Top mark Agriculture page 37	

	<b>2-3</b>	Soil Fertility (II)	Essential elements	By the end of the lesson, the learner should be able to State the role of each macro-element Describe the deficiency symptoms of the macro-nutrients	Stating the role of macro-elements Describing the deficiency symptoms of the macro-nutrients	Photographs Tables in student books Plant samples	KLB secondary Agriculture form 2 pg 1-5 Certificate Secondary Agriculture F2 pg 2-5 Longhorn secondary Agriculture form 1 pg 2-12 Teachers guide pg 33-36 Gateway Agriculture revision paper 1 page 1-4 Top mark Agriculture page 37-38	
<b>2</b>	<b>1</b>	Soil Fertility (I)	Essential elements	By the end of the lesson, the learner should be able to State the role of each micro-element Describe the deficiency symptoms of the macro-nutrients	Stating the role of micro nutrients Describing their deficiency symptoms	Photographs Tables in the students book Plant samples	KLB secondary Agriculture form 1 pg 6-7 Certificate Secondary Agriculture F1 pg 1-2 Longhorn secondary Agriculture form 1 pg 10-11 Teachers guide pg 33-36 Gateway Agriculture revision paper 1 page 66-68 Top mark Agriculture page 75	
	<b>2-3</b>	Soil Fertility (II)	Inorganic fertilizers	By the end of the lesson, the learner should be able to Classify fertilizers Identify fertilizers Describe the properties of various fertilizers	Classifying fertilizers Identifying fertilizers Describing the properties of various fertilizers	Photographs of fertilizers Students book Fertilizers samples	KLB secondary Agriculture form 1 pg 7-12 Certificate Secondary Agriculture F1 pg 5-8 Longhorn secondary Agriculture form 1 pg 11-18 Teachers guide pg 36-38 Gateway Agriculture revision paper 1 page 66-70	
<b>3</b>	<b>1</b>	Soil Fertility (II)	Inorganic fertilizers	By the end of the lesson, the learner should be able to	Stating various methods Explaining various methods	School farm Buckets	KLB secondary Agriculture form 2 pg 12-13 Certificate Secondary	

				State methods of fertilizer application Explaining various methods of fertilizer application	of fertilizer application Describing the various methods of fertilizer application	Fertilizer samples Panga Soil Spade	Agriculture F2 pg 9 Longhorn secondary Agriculture form 1 pg 18-21 Teachers guide pg 36-38 Gateway Agriculture revision paper 1 page 70	
	2-3	Soil Fertility (II)	Inorganic fertilizers	By the end of the lesson, the learner should be able to Calculate the fertilizer grade Calculate fertilizer ratio Determine fertilizer amount per lecture	Calculating fertilizer rates	School farm Students book	KLB secondary Agriculture form 1 pg 6-7 Certificate Secondary Agriculture F1 pg 1-2 Longhorn secondary Agriculture form 1 pg 10-11 Teachers guide pg 33-36 Gateway Agriculture revision paper 1 page 66-68 Top mark Agriculture page 75	
4	1	Soil Fertility	Soil Sampling	By the end of the lesson, the learner should be able to Define soil sampling Explain the sampling methods Describe sampling procedures	Defining soil sampling Explain the sampling methods Describing sampling procedures	Charts Soil samples Students book Polythene bags	KLB secondary Agriculture form 2 pg 20-21 Certificate Secondary Agriculture F1 pg 11 Longhorn secondary Agriculture form 2 pg 23-24 Teachers guide pg 39-41 Top mark Agriculture page 41-42	
	2-3	Soil Fertility	Soil testing	By the end of the lesson, the learner should be able to Define soil testing Explain the importance of soil testing Describe soil testing procedure Explain how soil PH affects crop production	Defining soil testing Explaining the importance of soil testing Describing soil testing procedure Explaining how	Test tubes Diagrams in students book Distilled water Soil testing reagents PH scale	KLB secondary Agriculture form 1 pg 22-26 Certificate Secondary Agriculture F1 pg 12-13 Longhorn secondary Agriculture form 1 pg 24-28 Teachers guide pg 39-41	

							Gateway Agriculture revision paper 1 page 71 Top mark Agriculture page 42	
5	1	Crop Production (II)	Planting materials	By the end of the lesson, the learner should be able to Describe types of planting materials State advantages and disadvantages of planting materials	Describing types of planting materials Stating the advantages and disadvantages	Seed samples Vegetative parts Students book School farm	KLB secondary Agriculture form 1 pg 27-28 Certificate Secondary Agriculture F1 pg 15-17 Longhorn secondary Agriculture form 1 pg 33-35 Teachers guide pg 45-46 Gateway Agriculture revision paper 1 page 28	
	2-3	Crop production (II)	Planting materials	By the end of the lesson, the learner should be able to State various parts used for vegetative propagation Describe various parts used for vegetative propagation	Stating various parts Describing various parts used for vegetative propagation	School farm Various vegetative parts Diagrams in the students book	KLB secondary Agriculture form 2 pg 29-34 Certificate Secondary Agriculture F1 pg 15-17 Longhorn secondary Agriculture form 2 pg 35-40 Teachers guide pg 45-47 Gateway Agriculture revision paper 1 page 29-30	
6	1	Crop Production (II)	Selection of planting materials	By the end of the lesson, the learner should be able to Select planting materials	Selecting planting materials	Tape measure Student's books School farm Planting line Seed dressers Planting materials	KLB secondary Agriculture form 2 pg 34-35 Certificate Secondary Agriculture F1 pg 18-19 Longhorn secondary Agriculture form 2 pg 35-40 Teachers guide pg 47-48 Gateway Agriculture revision paper 1 page 30	
	2-3	Crop Production (II)	Preparation of Planting	By the end of the lesson, the learner should be able to	Preparing planting materials Determining optimum	Planting line Tape measure	KLB secondary Agriculture form 2 pg 35-39 Certificate Secondary	

			Breaking seed dormancy Dressing Seed inoculation chitin	Prepare planting materials Determine optimum planting time Describe methods of planting	planting time Describing methods of planting	Planting materials	Agriculture F1 pg 20-22 Longhorn secondary Agriculture form 2 pg 49-50 Teachers guide pg 35-39 Gateway Agriculture revision paper 1 page 30-32	
7	1	Crop production (II)	Plant population	By the end of the lesson, the learner should be able to Calculate plant population of various crops	Calculating plant population	Charts School farm Seeds for planting	KLB secondary Agriculture form 2 pg 29-34 Certificate Secondary Agriculture F1 pg 26 Longhorn secondary Agriculture form 2 pg 49-50 Teachers guide pg 50-51 Gateway Agriculture revision paper 1 page 32	
	2-3	Crop Production (II)	Spacing seed rate planting depth	By the end of the lesson, the learner should be able to State factors determining spacing, seed rate and depth Explain the factors which determine spacing depth and seed rate	Stating factors Explaining factors which determine spacing, depth and seed rate	Tape measure School farm Panga Jembe Students book diagram	KLB secondary Agriculture form 2 pg 42-45 Certificate Secondary Agriculture F1 pg 24-26 Longhorn secondary Agriculture form 2 pg 50-54 Teachers guide pg 51-52 Gateway Agriculture revision paper 1 page 32-33	
8	1	Crop Production (III) Nursery practices	Nursery practices Nursery bed Seed bed Seedling bed	By the end of the lesson, the learner should be able to Define nursery practices Describe nursery bed, seed bed and seedling bed Distinguish between nursery, seedling and seed bed	Garden tools School farm Nursery beds Students book Diagrams on the students book charts	garden tools school farm nursery beds students book diagrams on the students book charts	KLB secondary Agriculture form 2 pg 46 Certificate Secondary Agriculture F1 pg 28 Longhorn secondary Agriculture form 2 pg 56-57 Teachers guide pg 54-56 Gateway Agriculture revision	

							paper 1 page 34	
	<b>2-3</b>	Crop Production (III) Nursery Practices	Nursery bed Importance Site selection Vegetable nurseries	By the end of the lesson, the learner should be able to State the importance of nursery in crop propagation Select a suitable site for the nursery Prepare a nursery bed for vegetables	Stating importance of nursery Selecting suitable sites for nursery Preparing nursery bed for vegetables	Nursery beds School farm Diagrams from students books Garden tools Students books	KLB secondary Agriculture form 2 pg 46-49 Certificate Secondary Agriculture F1 pg 28-29 Longhorn secondary Agriculture form 2 pg 57-58 Teachers guide pg 54-56 Gateway Agriculture revision paper 1 page 34-35 Top mark Agriculture page 34	
<b>9</b>	<b>1</b>	Crop Production (III) Nursery Practices	Nursery establishment	By the end of the lesson, the learner should be able to © Education Plus Agencies Establish a vegetable nursery Establish a tree nursery	Establishing a vegetable and a tree nursery	Charts Diagrams from students book School farm School nurseries Boxes Grass	KLB secondary Agriculture form 2 pg 48-49 Certificate Secondary Agriculture F1 pg 29-32 Longhorn secondary Agriculture form 2 pg 58-60 Teachers guide pg 54-56 Top mark Agriculture page 34	
	<b>2-3</b>	Crop production (III)	Nursery Establishment	By the end of the lesson, the learner should be able to Establish tea nursery using cuttings Manage a nursery bed	Establishing tea nursery using cuttings Managing nursery bed	Tea cuttings photographs School farm Diagrams from students book	KLB secondary Agriculture form 2 pg 49-51 Certificate Secondary Agriculture F1 pg 30-32 Longhorn secondary Agriculture form 2 pg 60-62 Teachers guide pg 54-58 Gateway Agriculture revision paper 1 page 35	
<b>10</b>	<b>1</b>	Crop production (III)	Grafting	By the end of the lesson, the learner should be able to Define grafting Describe the methods of	Defining grafting Describing methods of grafting Giving reasons for grafting	Knives Grafting materials Students book Raising boxes	KLB secondary Agriculture form 2 pg 53-55 Certificate Secondary Agriculture F1 pg 35-36	

				grafting Give reasons for grafting			Longhorn secondary Agriculture form 2 pg 64-65 Teachers guide pg 58-59 Gateway Agriculture revision paper 1 page 36 Top mark Agriculture page 35-36	
	2-3		Budding	By the end of the lesson, the learner should be able to Define budding Describe methods of budding State the importance of budding	Defining budding Describing methods of budding Giving reasons for budding	School farm Water Budding materials Students book knives	KLB secondary Agriculture form 2 pg 55-58 Certificate Secondary Agriculture F1 pg 34-35 Longhorn secondary Agriculture form 2 pg 66-70 Teachers guide pg 57-59 Gateway Agriculture revision paper 1 page 36 Top mark Agriculture page 35	
11	1	Crop Production (III)	layering	By the end of the lesson, the learner should be able to Define layering Describe methods of layering State the importance of layering	Defining layering Describing methods of layering Giving importance of layering	Peg Strings School farm Root medium Student books	KLB secondary Agriculture form 2 pg 58-60 Certificate Secondary Agriculture F1 pg 41-44 Longhorn secondary Agriculture form 2 pg 71-72 Teachers guide pg 59 Gateway Agriculture revision paper 1 page 36-37 Top mark Agriculture page 35	
	2-3	Crop production (III)	Tissue culture Transplanting seedlings	By the end of the lesson, the learner should be able to Define tissue culture Explain importance of tissue culture in crop propagation Describe the procedure of	Defining tissue culture Explaining importance of tissue culture Describing procedure of transplanting seedlings	School farm Garden trowel School nursery Seedlings Diagrams Students books	KLB secondary Agriculture form 2 pg 61-66 Certificate Secondary Agriculture F1 pg 41-44 Longhorn secondary	

				transplanting seedlings			Agriculture form 2 pg 72-77 Teachers guide pg 60-61 Gateway Agriculture revision paper 1 page 36-37 Top mark Agriculture page 35	
<b>12</b>		<b>TOPICAL REVISION</b>						
<b>13</b>		<b>END OF TERM ONE EXAMINATIONS</b>						
<b>14</b>		<b>CLOSING</b>						
<b>15</b>								



## AGRIC, F2, T2

**REFERENCES:** Longhorn Secondary Agriculture Book , Golden Tips KCSE Agriculture, Certificate Agriculture Book, KLB Top Mark Agriculture, KLB Secondary Agriculture, Teacher’s Guide

W K	LS N	TOPIC	SUB-TOPIC	OBJECTIVES	L/ACTIVITIES	L/T AIDS	REFERENCE	REMARKS
1	1	Crop Production (IV) Field practices	Crop Rotation	By the end of the lesson, the learner should be able to Define crop rotation Explain the importance of crop rotation State principles of crop rotation	Defining crop rotation Explaining the importance of crop rotation Stating principles of crop rotation	Charts School farm Diagrams in the students book	KLB secondary Agriculture form 2 pg 67-68 Certificate Secondary Agriculture F1 pg 50 Teachers guide pg 59 Gateway Agriculture revision paper 1 page 40 Top mark Agriculture page 43	

	2-3	Crop production (IV) field practices	Crop Rotation	By the end of the lesson, the learner should be able to Identify factors influencing crop rotation Draw a crop rotation programme Distinguish terms used in crop farming	Identifying factors influencing crop rotation Drawing a crop rotation programme Distinguishing terms used in crop farming	Photographs Charts School farm Diagrams in the students book	KLB secondary Agriculture form 2 pg 69-71 Certificate Secondary Agriculture F1 pg 50-51 Longhorn secondary Agriculture form 2 pg 79-80 Teachers guide pg 84-88 Gateway Agriculture revision paper 1 page 40-42	
2	1	Field Practices	Mulching	By the end of the lesson, the learner should be able to Define mulching State the importance of mulching	Defining mulching Stating the importance of mulching	Samples of mulch School farm Photograph in students book	KLB secondary Agriculture form 2 pg 71-72 Certificate Secondary Agriculture F1 pg 51-52 Longhorn secondary Agriculture form 2 pg 82-84 Teachers guide pg 59 Gateway Agriculture revision paper 1 page 36-37 Top mark Agriculture page 43	
	2-3	Field Practices	Routine Field practices Thinning Gapping Training	By the end of the lesson, the learner should be able to State the various routine practices Describe importance of field practices Carry out field practices	Stating various routine practices Describing importance of field practices Carrying out field practices	School farm Pruning saw Pruning knives Jembes Diagrams in students book wire	KLB secondary Agriculture form 2 pg 72-74 Certificate Secondary Agriculture F1 pg 52-54 Longhorn secondary Agriculture form 2 pg 88-90 Teachers guide pg 67-68 Gateway Agriculture revision paper 1 page 36-37 Top mark Agriculture page 44	
3	1	Field Practices	Pruning	By the end of the lesson, the learner should be able to	Defining pruning Giving reasons for pruning	Running tools School farm	KLB secondary Agriculture form 2 pg 73-75	

				Define pruning Give reasons for pruning Describe procedure of pruning	Describing the procedure of pruning	Diagrams in the students book secateurs	Certificate Secondary Agriculture F2 pg 41-44 Longhorn secondary Agriculture form 2 pg 91-93 Teachers guide pg 67-68 Gateway Agriculture revision paper 1 page 42-43 Top mark Agriculture page 44	
	2-3	Field practices	Tea Pruning	By the end of the lesson, the learner should be able to Describe methods of pruning in tea Describe plucking table formation	Describe methods of pruning in tea Describing the plucking table formation Note taking Demonstration of plucking table formation	Pegs Rings School farm Charts Diagrams in the students book Photographs farms	KLB secondary Agriculture form 2 pg 76-80 Certificate Secondary Agriculture F2 pg 54-57 Longhorn secondary Agriculture form 2 pg 93-96 Teachers guide pg 67-68 Gateway Agriculture revision paper 1 page 43	
4	1	Field practices	Coffee pruning	By the end of the lesson, the learner should be able to Give reasons for pruning coffee Describing the methods of pruning coffee	Giving reasons for pruning coffee Describing the methods of pruning coffee	Farms Photographs Diagrams in the students book	KLB secondary Agriculture form 2 pg 81-84 Certificate Secondary Agriculture F2 pg 57-59 Longhorn secondary Agriculture form 2 pg 96-98 Teachers guide pg 67-68 Gateway Agriculture revision paper 1 page 43-44	
	2-3	Field practices	Pruning in bananas Pruning pyrethrum Earthling up Weed control Pest and disease control	By the end of the lesson, the learner should be able to Describe how to carry out the routine field practices State the importance of each practices	Stating the importance of various practices Describing how to carry out the routine field practices		KLB secondary Agriculture form 2 pg 85-87 Certificate Secondary Agriculture F2 pg 60 Longhorn secondary Agriculture form 2 pg 98-101	

							Teachers guide pg 67-68 Top mark Agriculture page 44	
5	1	Field Practices	Harvesting	By the end of the lesson, the end of the learner should be able to State the stage of harvesting Explain timing of harvesting Describe the methods of harvesting	Stating the stage of harvesting Explaining timing of harvesting Describing harvesting methods	Crops Photographs in students book Diagrams in the students book School farm	KLB secondary Agriculture form 2 pg 73-75 Certificate Secondary Agriculture F2 pg 60 Longhorn secondary Agriculture form 2 pg 101-104 Teachers guide pg 68 Top mark Agriculture page 44-45	
	2-3	Field Practices	Post harvesting practices	By the end of the lesson, the leaner should be able to explain post harvesting practices state importance of storage describe storage methods	explaining post harvesting practices stating importance of storage describing harvesting methods	crops photographs in students book diagrams in the students book school farm	KLB secondary Agriculture form 2 pg 90-94 Certificate Secondary Agriculture F2 pg 60-66 Longhorn secondary Agriculture form 2 pg 103-105 Teachers guide pg 67-68 Top mark Agriculture page 45	
6	1	Crop production (V) vegetables	Cabbages/kales	By the end of the lesson, the learner should be able to State importance of vegetables Describe the production of the vegetable crop from nursery to harvesting Keep crop production records Market the vegetable produce	Stating importance of vegetables Describing vegetable production Keeping crop production record marketing the vegetable produce	pesticides herbicides fertilizers photographs students book school farm crops	KLB secondary Agriculture form 2 pg 96-99 Certificate Secondary Agriculture F2 pg 74-78 Longhorn secondary Agriculture form 2 pg 107-111 Teachers guide pg 72-75 Gateway Agriculture revision paper 1 page 47-48 Top mark Agriculture page 45	
	2-3	Crop production (V) vegetable	Cabbages/Kales	By the end of the lesson, the leaner should be able to State importance of vegetables	Stating importance of vegetables Describing vegetable	Pesticides Herbicides Fertilizers	KLB secondary Agriculture form 2 pg 96-99 Certificate Secondary	

				Describe the production of the vegetable crops from nursery to harvesting Keep crop production records Market the vegetable produce	production Keeping crop production records Marketing the vegetable produce	Photographs Diagrams from the students book Crops School farm	Agriculture F2 pg 60-66 Longhorn secondary Agriculture form 2 pg 107-111 Teachers guide pg 72-75 Gateway Agriculture revision paper 1 page 47-48	
7	1	Crop production (V) vegetables production	Tomatoes	By the end of the lesson, the learner should be able to State the importance of tomatoes Describe the production of tomatoes from nursery to harvesting Keep crop production records Market the produce	Stating the importance of tomatoes Describing tomatoes production Keeping crop production records Marketing the produce	Photographs Students book School farm Garden tools Pesticides Herbicides fertilizers	KLB secondary Agriculture form 2 pg 100-106 Certificate Secondary Agriculture F2 pg 67-71 Longhorn secondary Agriculture form 2 pg 112-115 Teachers guide pg 67-68 Gateway Agriculture revision paper 1 page 48-49	
	2-3	Crop production (V) vegetable production	Carrots onions	By the end of the lesson, the learner should be able to State importance of carrots and onions Describe the production of tomatoes from nursery to harvesting Keep crop production records Market the produce	Stating the importance of carrots & onions Describing their production Keeping crop production records Marketing the produce	School farm Garden tools Pesticides Herbicides Fertilizers photographs	KLB secondary Agriculture form 2 pg 90-94 Certificate Secondary Agriculture F2 pg 60-66 Longhorn secondary Agriculture form 2 pg 103-105 Teachers guide pg 67-68 Gateway Agriculture revision paper 1 page 42-43 Top mark Agriculture page 48-49	
8	1	Livestock Health (I) Disease	Health disease	By the end of the lesson, the learner should be able to Define health and disease State the importance of livestock health State the predisposing factors of diseases	Defining health and disease Stating the importance of livestock health Stating the predisposing factors of diseases	Livestock species Farm Students book	KLB secondary Agriculture form 2 pg 115-119 Certificate Secondary Agriculture F2 pg 82-85 Longhorn secondary Agriculture form 2 pg 121-122	

							Teachers guide pg 77 Gateway Agriculture revision paper 1 page 52 Top mark Agriculture page 80	
	<b>2-3</b>	Livestock health (i) disease	Signs of ill/good health in livestock	By the end of the lesson, the learner should be able to Describe signs of sickness in livestock Describe signs of good health in livestock	Describing signs of sickness in livestock Describing signs of good health in livestock	Livestock species Farm animals Diagrams in the students book Farm	KLB secondary Agriculture form 2 pg 116-119 Certificate Secondary Agriculture F2 pg 82-85 Longhorn secondary Agriculture form 2 pg 123-124 Teachers guide pg 77 Top mark Agriculture page 80	
<b>9</b>	<b>1</b>	Livestock Health (Disease)	Classification of livestock diseases Causes of livestock diseases	By the end of the lesson, the learner should be able to Explain the causes of livestock diseases Classify livestock diseases	Explaining causes of livestock diseases Classifying livestock diseases	Student book Chart Farm animals Tables in the students book	KLB secondary Agriculture form 2 pg 120-125 Certificate Secondary Agriculture F2 pg 86-88 Longhorn secondary Agriculture form 2 pg 123-124 Teachers guide pg 77 Gateway Agriculture revision paper 1 page 52-53	
	<b>2-3</b>	Livestock Health (disease)	General methods of disease control	By the end of the lesson, the learner should be able to Describe the various methods of disease control Carry out disease control measures	Describing methods of disease control Carrying out disease control	Livestock tolls Farm animals Students book Diagrams in the students book	KLB secondary Agriculture form 2 pg 125-128 Certificate Secondary Agriculture F2 pg 89-91 Longhorn secondary Agriculture form 2 pg 126-127 Teachers guide pg 78-79 Top mark Agriculture page 80	
<b>10</b>	<b>1-3</b>	Livestock Health (Disease)	Appropriate methods of handling livestock	By the end of the lesson, the learner should be able to State the reasons why	Stating the reasons Explaining the reasons why animals are handles	Farms animals Charts Diagrams in students book	KLB secondary Agriculture form 2 pg 129 Certificate Secondary	

				animals are handled Explain the reasons why animals are handled		Photographs	Agriculture F2 pg 92 Longhorn secondary Agriculture form 2 pg 128-133 Teachers guide pg 79-80 Gateway Agriculture revision paper 1 page 54 Top mark Agriculture page 81
11	1-3	Livestock Health (Disease)	Appropriate methods of handling livestock	By the end of the lesson, the learner should be able to State various methods of handling livestock Demonstrate a caring attitude towards livestock	Stating various methods of handling livestock Demonstrating a caring attitude towards livestock0	Diagrams in the students books Farm animals photographs Charts Students books	LB secondary Agriculture form 2 pg 129-132 Certificate Secondary Agriculture F2 pg 95-96 Longhorn secondary Agriculture form 2 pg 128-133 Teachers guide pg 79-80 Gateway Agriculture revision paper 1 page 54
12	<b>TOPICAL REVISION</b>						
13	<b>END OF TERM TWO EXAMINATIONS</b>						
14	<b>CLOSING</b>						

## AGRIC, F2, T3

**REFERENCES:** Longhorn Secondary Agriculture Book , Golden Tips KCSE Agriculture, Certificate Agriculture Book, KLB Top Mark Agriculture, KLB Secondary Agriculture, Teacher’s Guide

W K	LS N	TOPIC	SUB-TOPIC	OBJECTIVES	L/ACTIVITIES	L/T AIDS	REFERENCE	REMARKS
1	1	Livestock Health II (Parasites)	Host parasite relationship	By the end of the lesson, the learner should be able to Define parasites Explain their effects on host	Defining a parasite Explaining the effects of parasites	Farm animals Parasite specimen students book Photographs	KLB secondary Agriculture form 2 pg 133-134 Certificate Secondary Agriculture F2 pg 98 Longhorn secondary Agriculture form 2 pg 134 Teachers guide pg 83 Gateway Agriculture revision	



							paper 1 page 56	
	<b>2-3</b>	Livestock Health (II) parasites	Types of parasites – External parasites ticks	By the end of the lesson, the learner should be able to Identify types of ticks Describe the life cycle of the parasite Identify the livestock attacked State the control measures	Identifying types of ticks Describing the life cycle of the parasite Identifying the livestock attacked stating the control measures	Parasite specimen Photographs Students book Farm animals	KLB secondary Agriculture form 2 pg 138-143 Certificate Secondary Agriculture F2 pg 98-102 Longhorn secondary Agriculture form 2 pg 135-139 Teachers guide pg 83-85 Gateway Agriculture revision paper 1 page 56-58 Top mark Agriculture page 82	
<b>2</b>	<b>1</b>	Livestock Health (Parasites)	External parasites Tsetse fly mites	By the end of the lesson, the learner should be able to Describe the life cycle of parasite Identify the livestock attacked State the control measures	Describing the life cycle of the parasite Identifying the livestock attacked Stating the control measures	Farm animals Parasites specimen Students book Photographs Diagrams from the students book	KLB secondary Agriculture form 2 pg 134-135 Certificate Secondary Agriculture F2 pg 103,104,107 Longhorn secondary Agriculture form 2 pg 139-141 Teachers guide pg 83-85 Gateway Agriculture revision paper 1 page 52	

	2-3	Livestock health (Parasites)	External parasites Lice keds	By the end of the lesson, the learner should be able to describe the life cycle of the parasite identify the livestock attacked state the control measures	describing the life cycle of parasite identifying the livestock attacked stating the control measures	farm animals parasites specimen students book photographs diagrams from the students book	KLB secondary Agriculture form 2 pg 136-138 Certificate Secondary Agriculture F2 pg 105-107 Longhorn secondary Agriculture form 2 pg 141-142 Teachers guide pg 83-85 Gateway Agriculture revision paper 1 page 56-58	
3	1	Livestock (Parasites)	Internal parasites Liver flukes (Trematodes)	By the end of the lesson, the learner should be able to Describe the life cycle of the parasites Identify the livestock attacked State the control measures	Describing the life cycle of the parasites Identifying the livestock attacked Stating the control measures	Farm animals Parasites specimens Student books Photographs charts	KLB secondary Agriculture form 2 pg 151-154 Certificate Secondary Agriculture F2 pg 110-113 Longhorn secondary Agriculture form 2 pg 142-144 Teachers guide pg 84-85 Gateway Agriculture revision paper 1 page 56-58 Top mark Agriculture page 83	
	2-3	Livestock Health (Parasites)	Internal parasites Tape worms	By the end of the lesson, the learner should be able to Describe the life cycle of the parasite Identify the livestock attacked State the control measures	Describing the life cycle of the parasite Identifying the livestock attacked Stating the control measures	Charts Farm animals Parasites specimens Students book Photographs Tables on the students book	KLB secondary Agriculture form 2 pg 144-148 Certificate Secondary Agriculture F2 pg 108-110 Longhorn secondary Agriculture form 2 pg 144-146 Teachers guide pg 83-85 Gateway Agriculture revision paper 1 page 60 Top mark Agriculture page 83	
4	1	Livestock health	Internal parasites	By the end of the lesson, the	Describing the life cycle of	Farm animals	KLB secondary Agriculture form 2 pg 149-151	

		(Parasites)	Round worms	learner should be able to Describe the life cycle of the parasite Identify the livestock attacked State the control measures	the parasite Identifying the livestock attacked Stating the control measures	Parasite specimen Students book photographs	Certificate Secondary Agriculture F2 pg 112-113  Longhorn secondary Agriculture form 2 pg 146-147  Teachers guide pg 83-85  Top mark Agriculture page 84	
	2-3	Livestock health (parasites)	Principles of controlling Endoparasites Treatment Drug administration	By the end of the lesson, the learner should be able to Explain factors to consider when controlling endoparasites Describe methods of administration of drugs State the rules that are followed in treatment of parasites	Explaining factors considered in controlling endoparasites Describing methods of drug administration Stating the rules followed in treatment of parasites	Chart Students book	KLB secondary Agriculture form 2 pg 154-155  Certificate Secondary Agriculture F2 pg 113-114	
5	1	Livestock production nutrition (II)	Components of food	By the end of the lesson, the learner should be able to Define nutrition Explain major components of food	Defining nutrition Explaining major food components	Charts Chalkboard Students book	KLB secondary Agriculture form 2 pg 158  Certificate Secondary Agriculture F2 pg 115  Longhorn secondary Agriculture form 2 pg 148-149  Teachers guide pg 83-85  Top mark Agriculture page 85	
	2-3	Livestock Nutrition	Food nutrients Water Carbohydrate fats	By the end of the lesson, the learner should be able to describe the food nutrients describe the feed nutrients explaining the functions of each feed	describing the feed nutrients explaining the functions of each feed	students book samples of feed nutrients	KLB secondary Agriculture form 2 pg 159-161  Certificate Secondary Agriculture F2 pg 115-116,118  Longhorn secondary Agriculture form 2 pg 149-152  Teachers guide pg 81-82  Gateway Agriculture revision paper 2 page 12  Top mark Agriculture page	

							85-86	
6	1	Livestock production (II) nutrition	Feed nutrients Proteins minerals	By the end of the lesson, the learner should be able to explain the functions of each food describe the food nutrients	explaining functions of each food describing food nutrients	Feed specimen Photographs Farm stores Students book	KLB secondary Agriculture form 2 pg 163-165 Certificate Secondary Agriculture F2 pg 117 Longhorn secondary Agriculture form 2 pg 157 Teachers guide pg 89-92 Gateway Agriculture revision paper 2 page 13 Top mark Agriculture page 86	
	2-3	Livestock Production (II) Nutrition	Food nutrients vitamins	By the end of the lesson, the learner should be able to State various types of vitamins Explain the importance of vitamins Describe the food nutrients	Stating various types of vitamins Explaining the importance of vitamins Describing the food nutrients	Food store Photographs of animals with deficiency Feed specimen Students book	KLB secondary Agriculture form 2 pg 163-165 Certificate Secondary Agriculture F2 pg 117 Longhorn secondary Agriculture form 2 pg 157 Teachers guide pg 89-92 Gateway Agriculture revision paper 2 page 13 Top mark Agriculture page 86	
7	1	Livestock production (II) nutrition	Foods and foodstuffs roughages	By the end of the lesson, the learner should be able to state the classifications of animals food identify the food stuffs state the characteristics of foodstuffs	Stating the classes of food stuffs Identifying the food stuffs Stating the characteristics of food stuffs	food stuffs food store photographs Students book	KLB secondary Agriculture form 2 pg 169-170 Certificate Secondary Agriculture F2 pg 118-119 Longhorn secondary Agriculture form 2 pg 162-163 Teachers guide pg 89-92 Gateway Agriculture revision paper 2 page 14-15 Top mark Agriculture page 86	

	2-3	Livestock production (II) nutrition	Foods and foods stuffs Concentrates Proteins Carbohydrate Mixed succulents	By the end of the lesson, the learner should be able to Identify the food stuffs State their characteristics	Identifying the food stuffs Stating the characteristics of the food stuffs	Food stuffs Students book Food store photographs	KLB secondary Agriculture form 2 pg 171 Certificate Secondary Agriculture F2 pg 117 Longhorn secondary Agriculture form 2 pg 163-164 Teachers guide pg 89-92 Gateway Agriculture revision paper 2 page 15 Top mark Agriculture page 86-87	
8	1	Livestock production (II) nutrition	Concept of rationing Terms used to express food values	By the end of the lesson, the learner should be able to State the terms used to express food values Explain the various terms	Stating the terms used to express food values Explaining the various terms	Charts Students book Chalk board	KLB secondary Agriculture form 2 pg 172-175 Certificate Secondary Agriculture F2 pg 125 Longhorn secondary Agriculture form 2 pg 162-164 Teachers guide pg 89-92 Top mark Agriculture page 87	
	2-3	Livestock production (II) Nutrition	Ratio computation	By the end of the lesson, the learner should be able to Explain the process of ration computation Stating the methods Compute a livestock station	Stating the methods Explaining the process of ration computation Computing livestock ration	geometric set Students book Charts Tables in the students book	KLB secondary Agriculture form 2 pg 176-179 Certificate Secondary Agriculture F2 pg 126-128 Longhorn secondary Agriculture form 2 pg 166-169 Teachers guide pg 89-92 Gateway Agriculture revision paper 2 page 16-17 Top mark Agriculture page 87-88	

9	1	Livestock production (II) nutrition	Digestion in livestock	By the end of the lesson, the learner should be able to Define digestion Describe the process of digestion generally	Defining digestion Describing the process of digestion	Chart Diagrams in the students book Specimens of digestive systems School farm	KLB secondary Agriculture form 2 pg 179-182 Certificate Secondary Agriculture F2 pg 120-121 Longhorn secondary Agriculture form 2 pg 173-175 Teachers guide pg 89-92 Top mark Agriculture page 88
	2-3	Livestock production (II) nutrition	Digestion in non-ruminants (Pigs)	By the end of the lesson, the learner should be able to Describe digestion and digestive system of a pig	Describing digestion and the digestive system of a pig Drawing diagrams	Chart Specimens of digestive systems Diagrams in the students book	KLB secondary Agriculture form 2 pg 182-184 Certificate Secondary Agriculture F2 pg 121-122 Longhorn secondary Agriculture form 2 pg 172-173 Teachers guide pg 89-92
10	1	Livestock production (II) nutrition	Digestion in poultry	By the end of the lesson, the learner should be able to Describe digestion and digestive system of poultry	Describing digestion and digestive system of poultry Drawing diagrams	Diagrams in the students book Specimen of the digestive system chart	KLB secondary Agriculture form 2 pg 185 Certificate Secondary Agriculture F2 pg 123-124 Longhorn secondary Agriculture form 2 pg 170-172 Teachers guide pg 89-92 Gateway Agriculture revision paper 2 page 18-19 Top mark Agriculture page 90
	2-3	Livestock production (II) nutrition	Differences and similarities in 60 <sup>th</sup> ruminant and ruminant digestive systems	By the end of the lesson, the learner should be able to State the differences & similarities in both ruminant and non-ruminant digestive systems	Stating the differences and similarities both in ruminant and non-ruminant digestive system	Diagrams in the students book Specimens of digestive system chart	KLB secondary Agriculture form 2 pg 186-188 Certificate Secondary Agriculture F2 pg 123-124 Longhorn secondary Agriculture form 2 pg 175-176 Teachers guide pg 89-92

							Gateway Agriculture revision paper 2 page 13 Top mark Agriculture page 90
<b>11</b>	<b>1-3</b>	Livestock production (II) nutrition	Appropriate livestock Landling techniques while feeding	By the end of the lesson, the leaner should be able to Handle livestock appropriately while feeding	Handling livestock appropriately	Farm animals Charts Farm structures Students book Diagrams from the students book	KLB secondary Agriculture form 2 pg 129-132 Certificate Secondary Agriculture F2 pg 128-131 Longhorn secondary Agriculture form 2 pg 176-178 Teachers guide pg 89-92

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**END TERM THREE EXAMS**