

## AGRIC, F3, 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	Livestock Production (III) selection	Reproduction and reproductive systems in cattle	By the end of the lesson, the learner should be able to describe reproduction and reproductive systems in cattle	Describing reproduction and reproductive systems in cattle drawing reproductive systems in cattle	charts diagrams in students book farm animals	KLB secondary Agriculture form 3 pg 1-6 Certificate Secondary Agriculture F2 pg 123-124 Longhorn secondary Agriculture form 3 pg 1-5 Teachers guide pg 37-38 Gateway Agriculture revision paper 2 page 21-23 Top mark Agriculture page	

							91-92	
	<b>2</b>	Livestock production (III) selection and Breeding	Reproduction and reproductive systems in poultry	By the end of the lesson, the learner should be able to Describe reproduction and reproductive systems in poultry	Describing reproduction and reproductive systems in poultry Drawing reproduction system in poultry	Charts Farm animals Diagrams in the students book	KLB secondary Agriculture form 3 pg 6-8 Certificate Secondary Agriculture F2 pg 123-124 Longhorn secondary Agriculture form 3 pg 6-8 Teachers guide pg 37-38 Gateway Agriculture revision paper 2 page 23-24 Top mark Agriculture page 92	
	<b>3-4</b>	Livestock production selection and Breeding	Selection of dairy and beef cattle	By the end of the lesson, the learner should be able to Define selection Describe selection of the breeding of stock in cattle	Defining selection Describing selection of the breeding stock in cattle Drawings in students book	Farm animals Diagrams in the students book charts	KLB secondary Agriculture form 3 pg 8-9 Certificate Secondary Agriculture F2 pg 123-124 Longhorn secondary Agriculture form 3 pg 8-10 Teachers guide pg 38-39 Gateway Agriculture revision paper 2 page 24 Top mark Agriculture page 91-92	
<b>2</b>	<b>1</b>	Livestock selection and breeding	Selection of sheep and goats	By the end of the lesson, the learner should be able to Describe selection of the breeding stock	Describing selection of the breeding stock Note taking Asking and answering questions	Farm animals Diagrams in students book charts	KLB secondary Agriculture form 3 pg 8-9 Certificate Secondary Agriculture F2 pg 123-124 Longhorn secondary Agriculture form 3 pg 11-12 Teachers guide pg 37-38	
	<b>2</b>		Selection of pigs and camels	By the end of the lesson, the learner should be able	Describing the breeding stock	Farm animals Diagrams in the students	KLB secondary Agriculture form 3 pg 1-6 Certificate Secondary	

				to Describe selection of the breeding stock	Note taking Asking and answering questions	book	Agriculture F2 pg 123-124 Longhorn secondary Agriculture form 3 pg 1-5 Teachers guide pg 37-38 Gateway Agriculture revision paper 2 page 21-23 Top mark Agriculture page 91-92	
	<b>3-4</b>	Livestock section and breeding	Selection of breeding Methods of selection	By the end of the lesson, the learner should be able to State factors considered when selecting a breeding stock Describe the methods in selection Define breeding Explaining the importance of breeding	Stating factors considered in selection Describing the various methods used Defining breeding	Charts Chalkboard Diagrams on students book Farm animals	KLB secondary Agriculture form 3 pg 11-16 Certificate Secondary Agriculture F2 pg 123-124 Longhorn secondary Agriculture form 3 pg 15-16 Teachers guide pg 38-39 Gateway Agriculture revision paper 2 page 24 Top mark Agriculture page 93	

3	1		Breeding	By the end of the lesson, the learner should be able to Explain the terms used in breeding	Explaining the various terms	Charts Chalkboard Farm animals	KLB secondary Agriculture form 3 pg 16 Longhorn secondary Agriculture form 3 pg 16-19 Teachers guide pg 39-41 Gateway Agriculture revision paper 2 page 24-25 Top mark Agriculture page 93-94
	2	Livestock selection and breeding	Signs of heat in livestock cattle, pigs rabbits	By the end of the lesson, should be able to Explain the process of mating in cattle, pigs & rabbits State signs of heat in cattle, pigs and rabbits	Explaining the process of mating Stating signs of heat in pigs, rabbits and cattle	Farm animals Photographs Students book Farm	KLB secondary Agriculture form 3 pg 16-19 Longhorn secondary Agriculture form 3 pg 19-23 Teachers guide pg 39-41 Gateway Agriculture revision paper 2 page 25 Top mark Agriculture page 94-95
	3		Breeding systems of breeding	By the end of the lesson, the learner should be able to State various systems of breeding Explain reasons for breeding systems Describe various	Stating various systems of breeding Explaining reasons for breeding Describing various breeding systems	Charts Farm animals Diagrams in the students book	KLB secondary Agriculture form 3 pg 16-19 Longhorn secondary Agriculture form 3 pg 19-23 Teachers guide pg 39-41 Gateway Agriculture revision paper 2 page 25 Top mark Agriculture page 94-95
	4	Livestock selection and breeding	Methods of service in livestock Natural mating Artificial	By the end of the lesson, the learner should be able to Identify the various services in livestock Describe the methods of	Identifying the various methods of services Describing the methods of services in livestock	Farm animals A.I technicians Diagrams in the students book	KLB secondary Agriculture form 3 pg 20-23 Longhorn secondary Agriculture form 3 pg 23-30

			insemination Embryo transplant	services in livestock Explain the advantages & disadvantages of the methods	Drawing diagrams Explaining the advantages & disadvantages		Teachers guide pg 41-43	
4	1		Signs of parturition in livestock Cows Sows Does	By the end of the lesson, the learner should be able to State signs of parturition in cows, sows and does	Stating signs of parturitions in cows, sows and does	Coral, photographs A.I Technicians Students book Farm animals	KLB secondary Agriculture form 3 pg 24-25 Longhorn secondary Agriculture form 3 pg 41-43 Teachers guide pg 39-41 Gateway Agriculture revision paper 2 page 26-27 Top mark Agriculture page 96-97	
	2	Livestock production Livestock rearing practices	Routine Livestock rearing practices	By the end of the lesson, the learner should be able to Define a routine Explain the routine practices in livestock rearing State the importance of each of the practice	Defining a routine Explaining the routine practices Stating the importance of each practice	Livestock structures Livestock feeds Animals farm Livestock Student book photographs	KLB secondary Agriculture form 3 pg 27-31 Longhorn secondary Agriculture form 3 pg 33-35 Teachers guide pg 49-51 Gateway Agriculture revision paper 2 page 28-29 Top mark Agriculture page 98	
	3-4	Livestock production (IV)	Parasite and disease control practices	By the end of the lesson, the learner should be able to State various methods of parasite and disease control Describe the various parasite and disease control practices	Stating the various control practices Describing various control practices Carrying out the various control practices	Livestock drugs Livestock tools Photographs Diagrams on the students book Livestock tools Students book	KLB secondary Agriculture form 3 pg 32-36 Longhorn secondary Agriculture form 3 pg 35-39 Teachers guide pg 49-51 Gateway Agriculture revision paper 2 page 25 Top mark Agriculture page 98-99	
5	1	Livestock production (IV)	Breeding practices	By the end of the lesson, the learner should be able	Stating the breeding practices	Livestock drugs Livestock tools	KLB secondary Agriculture form 3 pg 27-29 Longhorn secondary	

		Livestock Rearing		to State the breeding practices Describe the various breeding practices Carry out the various practices	Describing the various breeding practices Carrying out the various practices	Photographs Students book Diagrams on the students book Livestock Livestock farm	Agriculture form 3 pg 49-51 Teachers guide pg 49-51 Gateway Agriculture revision paper 2 page 30-31 Top mark Agriculture page 99	
	2	Livestock Rearing practices	Identification De-breaking Tooth clipping culling	By the end of the lesson, the learner should be able to Describe de-beaking tooth, clipping and culling Carry out these practices	Describing de-beaking, tooth clipping and culling Carrying out the practices Drawing the diagrams showing the practices	Livestock Livestock drugs Livestock tools Students book Photographs Diagrams on the students book	KLB secondary Agriculture form 3 pg 41-48 Longhorn secondary Agriculture form 3 pg 41-44 Teachers guide pg 49-51 Gateway Agriculture revision paper 2 page 25 Top mark Agriculture page 99-100	
	3-4		Dehorning, shearing, castration	By the end of the lesson, the learner should be able to describe dehorning, shearing, castration Carry out these practices	Describing dehorning, shearing castration Carry out these practices	Livestock Livestock drugs Livestock tools Students book Photographs	KLB secondary Agriculture form 3 pg 45-50 Longhorn secondary Agriculture form 3 pg 41-44 Teachers guide pg 49-51 Gateway Agriculture revision paper 2 page 25 Top mark Agriculture page 100	
6	1	Livestock rearing practices	Management of cows during parturition	By the end of the lesson, the learner should be able to Describe the management of a cow parturition	Describing the management of a cow during parturition Drawing diagrams	Cows Photographs Students book Veterinary personnel	KLB secondary Agriculture form 3 pg 53 Longhorn secondary Agriculture form 3 pg 50-54 Teachers guide pg 49-51 Access secondary Agriculture Revision page 170, 295	

							Golden tips agriculture page 277	
	2		Management of sows, nannies, does, ewes	By the end of the lesson, the learner should be able to Describe the management, does & ewes during parturition	Describing the management of sows, nannies, does, ewes& during parturition		KLB secondary Agriculture form 3 pg 53-56 Longhorn secondary Agriculture form 3 pg 54-56 Teachers guide pg 49-51 Gateway Agriculture revision paper 2 page 33-34 Access secondary Agriculture Revision page 170, 295 Golden tips agriculture page 175,295-296	
	3-4	Bee- keeping	Importance Bee colony Sitting the a apiary	By the end of the lesson, the learner should be able to State the importance of bee keeping Describe the importance of bee keeping Describe the bee conolony Explain factors to consider when citing an apiary	Stating the importance of bee keeping Describing the bee colony Explaining factors to consider when citing an apiary	Combs Bee hives Apiary Bee handling tools bees	KLB secondary Agriculture form 3 pg 56-60 Longhorn secondary Agriculture form 3 pg 51-52 Teachers guide pg 49-51 Gateway Agriculture revision paper 2 page 33-34 Access secondary Agriculture Revision page 175-176	
7	1	Bee keeping	Types of bee hive stocking the bee hive Management of bees	By the end of the lesson, the learner should be able to State the various types of bee hives Describe the stocking of bee hive and management	Stating various types of bee hives Describing the stocking of a bee hive and management	Beehives Combs Apiary Bee handling Students book Protective clothing	KLB secondary Agriculture form 3 pg 60-69 Longhorn secondary Agriculture form 3 pg 59-62 Teachers guide pg 51-52 Gateway Agriculture revision paper 2 page 33-34 Access secondary Agriculture Revision page	

							175-176 Golden tips agriculture page 299-300	
	2	Bee keeping	Importance of fish farming Types if fuse kept in farm ponds	By the end of the lesson, the learner should be able to Define fish farming Explain the importance of fish farming Identifying the types of fish kept in the fish pond	Defining fish farming Explaining the importance of fish farming Identifying the types of fish kept in pond Drawing diagrams	Fish nets Fish species Fish ponds Diagrams in the students book Fish food	KLB secondary Agriculture form 3 pg 70-73 Longhorn secondary Agriculture form 3 pg 62-64 Teachers guide pg 51-52 Gateway Agriculture revision paper 2 page 36 Access secondary Agriculture Revision page 175-176 Golden tips agriculture page 301	
	3	Fish Farming	Importance of fish farming Types of fish kept in farm ponds	By the end of the lesson, the learner should be able to Define fish farming Explain the importance of fish farming Identifying the types of fish kept in fish pond	Defining fish farming Explaining the importance of fish farming Identifying the types of fish kept in fish pond Drawing diagrams	Fish nets Fish species Fish pond Diagrams in the students book Fish pond	KLB secondary Agriculture form 3 pg 73-77 Longhorn secondary Agriculture form 3 pg 65-70 Teachers guide pg 52-53 Gateway Agriculture revision paper 2 page 36-37 Access secondary Agriculture Revision page 177 Golden tips agriculture page 301-302	
7	4	Fish Farming	Management Fish farming Harvesting and processing fish	By the end of the lesson, the learner should be able to Describe fish management Explain fish harvesting and processing fish	Describing fish management Explaining fish harvesting and processing	Fish pond Fish species Fish nets Students book	KLB secondary Agriculture form 3 pg 73-79 Longhorn secondary Agriculture form 3 pg 65-70 Teachers guide pg 52-53 Gateway Agriculture revision	



							paper 2 page 36-37 Access secondary Agriculture Revision page 177 Golden tips agriculture page 302-303	
8	1	Livestock Rearing Practices	Appropriate handling of livestock during routine management	By the end of the lesson, the learner should be able to Demonstrate a caring attitude towards livestock	Demonstrating a caring attitude towards livestock Drawing diagrams	Diagrams from the student book Farm animals Photographs Livestock handling tools	KLB secondary Agriculture form 3 pg 79-81 Longhorn secondary Agriculture form 3 pg 70-75 Teachers guide pg 53-54 Gateway Agriculture revision paper 2 page 36-37 Access secondary Agriculture Revision page 296 Golden tips agriculture page 296	
	2	Farm Structures	Farm buildings and structures Citing parts of a building Cite preparation	By the end of the lesson, the learner should be able to State factors considered when citing farm structures Describe parts of a building	Stating factors considered when citing farm structures Describing parts of a building	Farm buildings Diagrams School farm Student's book	KLB secondary Agriculture form 3 pg 83-88 Longhorn secondary Agriculture form 3 pg 77-80 Teachers guide pg 59-60 Gateway Agriculture revision paper 2 page 36-37 Access secondary Agriculture Revision page 235 Golden tips agriculture page 250	
	3-4	Farm Structures	Livestock Structures Crushes	By the end of the lesson, the learner should be able to: Identify materials used in	Identifying materials used in construction of crush Stating the maintenance of a crush	Crush Constructional materials Student's book Photographs	KLB secondary Agriculture form 3 pg93-94 Longhorn secondary	

				<p>constructions State the maintenance of a crush Explain the uses of a crush</p>	<p>Explaining the various uses of a crush</p>		<p>Agriculture form 3 pg 81-83 Teachers guide pg 59-60 Access secondary Agriculture Revision page 236 Golden tips agriculture page 251-252</p>	
<b>9</b>	<b>1</b>	Farm structures	Livestock Structures- Dips	<p>By the end of the lesson, the learner should be able to: Identify materials used in construction of a dip State the maintenance of a dip Explain the uses of a dip © Education Plus Agencies</p>	<p>Identifying materials used in constructions Stating the maintenance of a dip Explaining the uses of the dip Drawing the structures</p>	<p>Dip construction materials Photographs Diagrams from the students book</p>	<p>KLB secondary Agriculture form 3 pg 95-96 Longhorn secondary Agriculture form 3 pg 83-86 Teachers guide pg 60-63 Gateway Agriculture revision paper 2 page 36-37 Access secondary Agriculture Revision page 236 Golden tips agriculture page 252</p>	
	<b>2</b>	Farm structures	Livestock structures Spray race Dairy shed	<p>By the end of the lesson, the learner should be able to Identify the constructional materials used State the uses of these structures</p>	<p>Identifying materials used in construction Stating the uses of the structure Drawing the structures</p>	<p>Diagrams from the students book Photographs Construction materials Spray race and dairy shed</p>	<p>KLB secondary Agriculture form 3 pg 99-102 Longhorn secondary Agriculture form 3 pg 86-90 Teachers guide pg 60-63 Gateway Agriculture revision paper 2 page 88 Access secondary Agriculture Revision page 236 Golden tips agriculture page 253-254</p>	
	<b>3-4</b>	Farm structures	Livestock structure Calf pens	<p>By the end of the lesson, the learner should be able</p>	<p>Naming the construction materials</p>	<p>Calf pens Poultry houses</p>	<p>KLB secondary Agriculture form 3 pg 194-114,115</p>	

			Poultry houses Rabbits hutches Pig sty's	to Name the construction materials used State the uses of these structures Describe the construction of the materials	Stating the uses of the structures Describing the construction of the structures	Rabbit hutches Pig stys Construction materials Photographs Students book Diagrams on the students book	Longhorn secondary Agriculture form 3 pg 86-90 Teachers guide pg 60-63 Gateway Agriculture revision paper 2 page 88 Golden tips agriculture page 254-257	
<b>10</b>	<b>1</b>	Farm Structures	Livestock structures Fish pond Silo	By the end of the lesson, the learner should be able to Identify the construction materials used Explain the uses of these structures	Identifying the construction materials Explaining the uses of these structures	Photographs Students book Constructional materials Diagrams in the students book	KLB secondary Agriculture form 3 pg 115, 123 Longhorn secondary Agriculture form 3 pg 100-104 Teachers guide pg 60-63 Golden tips agriculture page 250	
	<b>2</b>	Farm structures	Zero grazing unit Bee hive	By the end of the lesson, the learner should be able to Identify construction materials used State the uses of these structures	Identifying the construction materials Stating the uses of these structures	Zero grazing unit Photographs Students book Construction materials beehive	KLB secondary Agriculture form 3 pg 102-104 Longhorn secondary Agriculture form 3 pg 103-106 Teachers guide pg 60-63 Gateway Agriculture revision paper 2 page 88 Access secondary Agriculture Revision page 235 Golden tips agriculture page 259-260	
	<b>3-4</b>	Farm Structures	Farm Stores	By the end of the lesson, the learner should be able to Identifying the construction materials used State the uses of these	Identifying the construction materials Stating the uses of these structures Describing the process of constructing a farm store	Diagrams in the students book Photographs Farm store Construction materials	KLB secondary Agriculture form 3 pg 121-122 Longhorn secondary Agriculture form 3 pg 106-110	

				structures Describe the process of constructing a farm store			Teachers guide pg 64 Gateway Agriculture revision paper 2 page 89 Golden tips agriculture page 260-261	
<b>11</b>	<b>1-2</b>	Farm structures	Fences	By the end of the lesson, the learner should be able to State the types of fences Identify the construction materials used	Stating types of fences Identifying the construction materials used Explaining the uses of these structures Drawing the fences	Fences Construction materials Students book Photographs diagrams	KLB secondary Agriculture form 3 pg 124-132 Longhorn secondary Agriculture form 3 pg 110-117 Teachers guide pg 65	
	<b>3-4</b>	Farm structures	Green Houses	By the end of the lesson, the learner should be able to: State the construction materials used Describe the process of constructing green house Explain the uses of these structures	Stating the construction materials Describing the process of constructing green house Explaining the uses of the structures	Green houses Construction materials Diagrams from the students book Students book photographs	KLB secondary Agriculture form 3 pg 133-139 Longhorn secondary Agriculture form 3 pg 128-121 Teachers guide pg 66 Gateway Agriculture revision paper 2 page 89 Access secondary Agriculture Revision page 235 Golden tips agriculture page 262	

**12**

**TOPICAL REVISION**

**13-14**

**END TERM EXAMINATIONS**

**15**

**CLOSING**

## AGRIC, F3, 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	Agricultural Economics (III) Land tenure and reforms	Land tenure types Collective tenure systems	By the end of the lesson, the learner should be able to Define land tenure State the types of land tenure Describe the collective tenure systems	Defining the term land tenure Stating the types of land tenure Describing the collective systems	Charts Students book Chalk board	KLB secondary Agriculture form 3 pg 140-141  Longhorn secondary Agriculture form 3 pg 123-125  Teachers guide pg 74  Gateway Agriculture revision paper 2 page 98-99  Access secondary	

							Agriculture Revision page 120 Golden tips agriculture page 125	
	2		Individual Tenure System	By the end of the lesson, the learner should be able to State the types of individual tenure system Describe individual tenure systems State advantages and disadvantages of this tenure system	Stating the individual tenure systems Describing individual tenure system Stating advantages and disadvantages of the system	Title deeds Charts Students book	KLB secondary Agriculture form 3 pg 143-145 Longhorn secondary Agriculture form 3 pg 123-125 Teachers guide pg 74 Gateway Agriculture revision paper 2 page 98-99 Golden tips agriculture page 124	
	3-4	Land tenure and reform	Land Reforms	By the end of the lesson, the learner should be able to Define land reforms Describe the various types of land reforms Explaining the various settlement schemes in Kenya	Defining land reforms Describing various types of land reforms Explaining the various settlement scenes in Kenya	Title deeds Students book Charts Chalk board	KLB secondary Agriculture form 3 pg 148-157 Longhorn secondary Agriculture form 3 pg 127-155 Teachers guide pg 75-76 Gateway Agriculture revision paper 2 page 99 Access secondary Agriculture Revision page 120-121 Golden tips agriculture page 125-126	
2	1	Soil and water conservation	Soil Erosion	By the end of the lesson, the learner should be able to Define soil erosion Explain factors that influence soil erosion	Defining soil erosion Explaining factors that influence soil erosion	Excavated areas School farm Photographs Diagrams on the students book	KLB secondary Agriculture form 3 pg 158-160 Longhorn secondary Agriculture form 3 pg 137-138 Teachers guide pg 80 Gateway Agriculture revision	

							paper 2 page 121 Access secondary Agriculture Revision page 120-121 Golden tips agriculture page 126	
	<b>2</b>	Soil and Water Conservation	Soil Erosion	By the end of the lesson, the learner should be able to Explain the various agents of erosion	Explaining various agents	Photographs School farm Excavated areas Students book	Longhorn secondary Agriculture form 3 pg 15-16 Teachers guide pg 38-39 Gateway Agriculture revision paper 2 page 24 Access secondary Agriculture Revision page 80 Golden tips agriculture page 26	
	<b>3-4</b>	Soil and Water Conservation	Soil Erosion	By the end of the lesson, the learner should be able to Describe the various types of soil erosion	Describing the various types of erosion	Photographs Students book School farm Excavated areas Diagrams in the students book	KLB secondary Agriculture form 3 pg 161-167 Longhorn secondary Agriculture form 3 pg 139-141 Teachers guide pg 80 Gateway Agriculture revision paper 2 page 24 Access secondary Agriculture Revision page 80-81 Golden tips agriculture page 27	
<b>3</b>	<b>1</b>		River bank erosion	By the end of the lesson, the learner should be able to Define river bank erosion Explain the effects of river bank erosion State the control measures	Defining riverbank erosion Explaining the effects of river Bank erosion Stating control measures	Photographs River bank Diagrams in the students book charts	KLB secondary Agriculture form 3 pg 167-168 Access secondary Agriculture Revision page 87 Golden tips agriculture page	

							27	
	2		Mass wasting solifluction	By the end of the lesson, the learner should be able to Define mass wasting Explain factors influencing mass wasting Describing effects of mass wasting	Defining mass wasting Explaining factors influencing mass wasting Describing effects of mass wasting	Charts Photographs Diagrams in the students book	KLB secondary Agriculture form 3 pg 168-173 Access secondary Agriculture Revision page 87 Golden tips agriculture page 27	
	3-4	Soil and water conservation	Soil control Measures Biological and cultural control Physical and structural control measures	By the end of the lesson, the learner should be able to Describe the biological, cultural physical and structural control Measures on soil erosion	Describing the biological, cultural, physical and structural measures of controlling soil erosion Drawing diagrams	Mesh wire Poles Quarry chips School farm Photographs Excavated areas Students book Garden tools Diagrams in the students book	KLB secondary Agriculture form 3 pg 173-186 Longhorn secondary Agriculture form 3 pg 142-149 Teachers guide pg 81 Gateway Agriculture revision paper 2 page 122-124 Access secondary Agriculture Revision page 81-83 Golden tips agriculture page 28-30	
4	1-2	Soil and Water Conservation	Water Harvesting	By the end of the lesson, the learner should be able to Name methods used to harvest water Describe water harvesting and conservation techniques Explain the micro catchment and their uses	Naming methods used to harvest water Describing water harvesting and conservation Explaining micro catchment Stating their uses	Dams Tanks Reservoirs Wells Photographs School farm Garden tools Gutters Ponds	KLB secondary Agriculture form 3 pg 187-191 Longhorn secondary Agriculture form 3 pg 149-159 Teachers guide pg 81-82 Gateway Agriculture revision paper 2 page 124-125 Access secondary Agriculture Revision page 83-85 Golden tips agriculture page 30-31	
							KLB secondary Agriculture	



	3-4	Weeds and weed control	Weeds Definition Identification classification	By the end of the lesson, the learner should be able to define a weed identify the various weeds classify the weeds in various groups	defining weeds observation identifying the weeds classify the weeds	weed specimen school farm photographs students book diagrams in the students books	form 3 pg 192-201 Longhorn secondary Agriculture form 3 pg 161-164 Teachers guide pg 87-88 Gateway Agriculture revision paper 2 page 73-74 Golden tips agriculture page 63-64	
5	1-2	Weeds and weed control	Weeds Identification classification	By the end of the lesson, the learner should be able to identify the various weeds classify the various weeds	identifying the various weeds classifying the various weeds	weed specimen school farm photographs diagrams in the students book	KLB secondary Agriculture form 3 pg 193-200 Longhorn secondary Agriculture form 3 pg 161-164 Teachers guide pg 87-88 Gateway Agriculture revision paper 2 page 73-74 Access secondary agriculture page 89 Golden tips agriculture page 63-64	

	3-4	Weeds and weed control	Weeds competitive abilities of weeds Harmful effects of weeds	By the end of the lesson, the learner should be able to Identify the various weeds Classify the various weeds	Identify the various weeds Classifying the various weeds	Weed specimen School farm Photographs Diagrams in students book	KLB secondary Agriculture form 3 pg 200-202 Longhorn secondary Agriculture form 3 pg 159-161 Teachers guide pg 87-88 Gateway Agriculture revision paper 2 page 73-74 Access secondary agriculture page 89-90 Golden tips agriculture page 64-65	
6	1	Weeds and weed control	Weed control mechanical	By the end of the lesson, the learner should be able to Describe mechanical weed control	Describing mechanical weed control	weed specimen school farm photographs diagrams in the students book garden tools	KLB secondary Agriculture form 3 pg 209-210 Longhorn secondary Agriculture form 3 pg 169-170 Teachers guide pg 88-92 Gateway Agriculture revision paper 2 page 76 Golden tips agriculture page 64-65	
	2		Cultural and biological control	By the end of the lesson, the learner should be able to Describe biological and cultural weed control method	Describing the biological and cultural weed control method Note taking Asking and answering questions	Garden tools Students book Photographs School farm Farm specimen	KLB secondary Agriculture form 3 pg 210-211 Longhorn secondary Agriculture form 3 pg 178 Teachers guide pg 93-95 Gateway Agriculture revision paper 2 page 76 Golden tips agriculture page 65	
							KLB secondary Agriculture	

	3-4		Chemical and legislative weed control methods	By the end of the lesson, the learner should be able to Explain ways in which chemicals kill weeds State the classification of herbicides Explaining factors affecting selectivity and effectiveness of herbicides Identifying the precautions in using chemicals Stating the advantages and disadvantages of herbicides	Explaining ways in which chemicals kill weeds Stating the classifications of herbicides Explaining factors affecting selectivity and effectiveness of herbicides Identifying the precautions in using chemicals Stating the advantages and disadvantages of herbicides	Garden tools Students book Photographs School farm Weed specimen	form 3 pg 203-208 Longhorn secondary Agriculture form 3 pg 170,172-175 Teachers guide pg 88-92 Gateway Agriculture revision paper 2 page 74 Golden tips agriculture page 90 Access secondary Agriculture page 65-66	
7	1	Crop pest and diseases	Crop Pests	By the of the end lesson, the learner should be able to Define a pest Explain harmful effects of crop pests	Defining a pest Explaining the harmful effects of crop pests Asking and answering questions	Students book Specimens of crop pests Crops attacked Pesticides Photographs	KLB secondary Agriculture form 3 pg 213-214 Longhorn secondary Agriculture form 3 pg 177-178 Teachers guide pg 93-95 Gateway Agriculture revision paper 2 page 76	
	2		Crop Pests	By the end of the lesson, the learner should be able to Classify pests based on mode of feeding Classify pests based on crop part attacked	Classifying pests based on mode of feeding Asking and answering questions	Crops attacked specimens of crop pests Photographs of pests Students book	KLB secondary Agriculture form 3 pg 214 Longhorn secondary Agriculture form 3 pg 177-178 Teachers guide pg 93-95 Gateway Agriculture revision paper 2 page 76 Golden tips agriculture page 67 Access secondary Agriculture page 97	
	3-4		Crop Pests	By the end of the lesson, the learner should be able to	Classify pests Asking and answering	Crops attacked Specimen of crop pests	KLB secondary Agriculture form 3 pg 214-215	

				Classify pest on the basis of stage of growth classification (scientific) Level of damage and place where they are found of habitat	questions Note taking	Photographs of pests Students book	Longhorn secondary Agriculture form 3 pg 177-178  Teachers guide pg 93-95  Gateway Agriculture revision paper 2 page 76  Golden tips agriculture page 67  Access secondary Agriculture page 97	
<b>8</b>	<b>1-2</b>	Crop pests and diseases	Crop pests Identification	By the end of the lesson, the learner should be able to identify common pests describe the various pests and the stage, part of the crop attacked	Identifying common pests Describing the various pests on the various basics Asking and answering questions Note making	Diagrams in the students book Photographs of pests Pesticides Crops attacked Specimens of crop pests Students book	KLB secondary Agriculture form 3 pg 215-226  Longhorn secondary Agriculture form 3 pg 179-184  Teachers guide pg 93-95  Gateway Agriculture revision paper 2 page 77-79  Golden tips agriculture page 67-69  Access secondary Agriculture page 97-98	
	<b>3-4</b>		Crop pests identification	By the end of the lesson, the learner should be able to identify common pests describe the various pests and the stage part of the crop attacked	Identifying common pests Describing the various pests Asking and answering questions Note making	Crops attacked Specimens of crop pests Photographs of pests Pesticides Diagrams in the students book	KLB secondary Agriculture form 3 pg 215-226  Longhorn secondary Agriculture form 3 pg 179-184  Teachers guide pg 93-95  Gateway Agriculture revision paper 2 page 77-79  Golden tips agriculture page 67-69	
<b>9</b>	<b>1</b>	Crop Pests and	Crop pests	By the end of the lesson, the	Describing the effects of	Students book	KLB secondary Agriculture	

		disease control		learner should be able to Describe harmful effects of pests Identify pest control measures	pests Identifying pests control measure	Specimens of crop pests Crops attacked Pesticides Photography Pests	form 3 pg 213-226 Longhorn secondary Agriculture form 3 pg 83-86 Teachers guide pg 60-63 Gateway Agriculture revision paper 2 page 88 Golden tips agriculture page 70-75 Access secondary Agriculture page 97-98	
	2		Crop pests control cultural	By the end of the lesson, the learner should be able to Describe the cultural pest control measures	Describing the cultural pest Control measures Note taking Asking and answering questions	Students book Crops attacked Pesticides Photographs of pests School farm Specimen of crop pests	KLB secondary Agriculture form 3 pg 228-230 Longhorn secondary Agriculture form 3 pg 185-186 Teachers guide pg 63-70 Gateway Agriculture revision paper 2 page 79 Golden tips agriculture page 71-72	
	3	Crop pest and diseases	Crop pests	By the end of the lesson, the learner should be able to Describe the mechanical pest control	Describing mechanical pest control Asking and answering questions Note taking	Students book Specimen of crop pests Crops attacked Photographs of pests	KLB secondary Agriculture form 3 pg 226-227 Longhorn secondary Agriculture form 3 pg 186-188 Teachers guide pg 95 Gateway Agriculture revision paper 2 page 80 Golden tips agriculture page 7	
	4		Crop pests	By the end of the lesson, the learner should be able to Describe the biological pest	Describing biological pest control Asking and answering	Photographs of pests Crops attacked Specimens of crop pests	KLB secondary Agriculture form 3 pg 232 Longhorn secondary	

				control	questions Note taking Explanations		Agriculture form 3 pg 186-188 Teachers guide pg 95 Gateway Agriculture revision paper 2 page 88 Golden tips agriculture page 73-74	
10	1		Crop pests	By the end of the lesson, the learner should be able to Describe chemical methods of pest control	Describing the chemical methods of pest control Note taking Asking and answering questions	Photographs of pests Crops attacked Specimens of crop pests	KLB secondary Agriculture form 3 pg 230-232 Longhorn secondary Agriculture form 3 pg 188-190 Teachers guide pg 95 Gateway Agriculture revision paper 2 page 88	
	2	Crop pests and disease	Crop diseases	By the end of the lesson, the learner should be able to Define a plant disease Classify plant diseases Explain harmful effects of crop diseases	Defining a plant diseases Classifying plant diseases Explaining the harmful effects of crop diseases	Students book Specimens of diseases crops Photographs Fungicides	KLB secondary Agriculture form 3 pg 233-236 Longhorn secondary Agriculture form 3 pg 190-191 Teachers guide pg 96-99 Gateway Agriculture revision paper 2 page 88	
	3-4	Crop pest and diseases	Crop diseases	By the end of the lesson, the learner should be able to Identify common crop diseases	Identifying common crop diseases Asking questions and answering Note taking	Students book Specimens of diseased crops Photographs Fungicides	KLB secondary Agriculture form 3 pg 233-241 Longhorn secondary Agriculture form 3 pg 191-197 Teachers guide pg 96-99 Gateway Agriculture revision paper 2 page 82-84	
11	1-2		Crop diseases	By the end of the lesson, the learner should be able to	Classifying plant Diseases	Specimen of diseased crops Photographs	KLB secondary Agriculture form 3 pg 233-238	

				classify plant diseases	Asking and answering questions Explanations	Fungicides Students book Diagrams in the students books	Longhorn secondary Agriculture form 3 pg 191-197 Teachers guide pg 96-99 Gateway Agriculture revision paper 2 page 82-84 Golden tips agriculture page 74-77 Access secondary Agriculture page 97-98	
	3-4		Crop diseases	By the end of the lesson, the learner should be able to Describe the disease control crops Carry out crop diseases control	Describing the disease control in crops Carrying out crop disease control	Students book Specimen of disease crops Photographs Fungicides Diagrams in the students book	KLB secondary Agriculture form 3 pg 239-240 Longhorn secondary Agriculture form 3 pg 182-184 Teachers guide pg 95 Gateway Agriculture revision paper 2 page 84 Golden tips agriculture page 77-78 Access secondary Agriculture page 104-106	
12		<b>TOPICAL REVISION</b>						
13		<b>END OF TERM EXAMS</b>						
14								

## AGRIC, F3, 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	Crop Production (VI)	Production of maize	By the end of the lesson, the learner should be able to Name hybrids, composites of maize State the ecological requirement of maize Describe, field establishments, management and harvesting maize & marketing	Naming hybrids composites Stating the ecological requirements Describing management harvesting and field establishment Note making Asking and answering questions	Garden tools Samples of maize School farms Student book	KLB secondary Agriculture form 3 pg 242-250 Longhorn secondary Agriculture form 3 pg 200-202 Teachers guide pg 101-102 Gateway Agriculture revision paper 2 page 52,54,55 Golden tips agriculture page	



							57-58	
	2		Production of millet	By the end of the lesson, the learner should be able to Name hybrids, composites and cutting of millet State the ecological requirement of millet Describe field establishment, management, harvesting and marketing	Stating the ecological requirements Describing field establishment management harvesting and marketing Note making Asking and answering questions Naming the hybrids, composites cultwas	Garden tools School farm Sample of millet Diagrams on the students book charts	KLB secondary Agriculture form 3 pg 250-255 Longhorn secondary Agriculture form 3 pg 201-214 Teachers guide pg 101-102 Gateway Agriculture revision paper 2 page 56 Golden tips agriculture page 82-84 Access secondary Agriculture page 58	
	3		Production of sorghum	By the end of the lesson, the learner should be able to Name composites, hybrids, cultivar of sorghum State the ecological requirements of sorghum Describe the field establishment, management marketing and harvesting	Naming the hybrids, composite cultivars Stating the ecological requirement of sorghum Describing the field establishment management, harvesting and marketing Asking and answering questions	Charts samples of sorghum Garden tools Diagrams on the students book	KLB secondary Agriculture form 3 pg 250-255 Longhorn secondary Agriculture form 3 pg 201-204 Teachers guide pg 101-102 Gateway Agriculture revision paper 2 page 56 Golden tips agriculture page 84-85 Access secondary Agriculture page 59-60	
	4	Production Crop	Production of Beans	By the end of the lesson, the learner should be able to State the varieties of beans grown Describe the varieties of beans grown Explaining the ecological requirements of maize Describe field establishment management and harvesting marketing	Stating the varieties Explaining the ecological requirements of maize Describing field establishment, harvesting and marketing Note making Asking and answering questions	School farm Garden tools Seed samples Students book	KLB secondary Agriculture form 3 pg 250-255 Longhorn secondary Agriculture form 3 pg 214-215 Teachers guide pg 101-102 Gateway Agriculture revision paper 2 page 56-58 Golden tips agriculture page 85-87	

							Access secondary Agriculture page 59-60	
2	1-2	Crop production	Gross Margin of Crop enterprises	By the end of the lesson, the learner should be able to Compare and contrast the gross margin of maize/millet, sorghum and beans	Comparing and contrasting gross margins of maize, millet, sorghum and beans	Charts Receipts Tables Chair Farm records Students book	KLB secondary Agriculture form 3 pg 243-268  Longhorn secondary Agriculture form 3 pg 218-219  Teachers guide pg 101-102  Gateway Agriculture revision paper 2 page 56-58  Golden tips agriculture page 85-87,79-90  Access secondary Agriculture page 57-63	
	3-4	Crop production	Harvesting of cotton, sugarcane, pyrethrum	By the end of the lesson, the learner should be able to describe the harvesting of cotton, pyrethrum and sugarcane	describing the harvesting of cotton, pyrethrum and sugarcane	photographs diagrams in the students book school farm farm harvesting tools	KLB secondary Agriculture form 3 pg 263-264  Longhorn secondary Agriculture form 3 pg 221-224  Teachers guide pg 102-103  Gateway Agriculture revision paper 2 page 58-59  Golden tips agriculture page 85-87,79-90  Access secondary Agriculture page 57-63	
3	1	Crop Production	Harvesting of cotton, sugarcane, pyrethrum	By the end of the lesson, the learner should be able to Describe the harvesting of cotton, pyrethrum and sugar cane	Describing the harvesting of cotton, pyrethrum and sugarcane	Photographs Diagrams in the students book School farm Farm harvesting tools	KLB secondary Agriculture form 3 pg 264-266  Longhorn secondary Agriculture form 3 pg 224-226  Teachers guide pg 103-105  Gateway Agriculture revision paper 2 page 59	
	2	Crop production	Harvesting of tea and	By the end of the lesson, the	Describing the harvesting of	Diagrams in the students	KLB secondary Agriculture form 3 pg 226-268	

			coffee	learner should be able to Describe the harvesting of tea and coffee	tea and coffee	book Photographs Harvesting tools Charts	Longhorn secondary Agriculture form 3 pg 226-228 Teachers guide pg 103-105 Gateway Agriculture revision paper 2 page 59-60 Golden tips agriculture page 88-89	
	3-4	Crops forage	Pastures classifications	By the end of the lesson, the learner should be able to Define pastures and forage crops Classify pastures	Defining pastures and forage crops Classifying pastures & forage crops	Students book Specimens of pastures Photographs of forage crops charts	KLB secondary Agriculture form 3 pg 269-272 Longhorn secondary Agriculture form 3 pg 230-234 Teachers guide pg 106-107 Gateway Agriculture revision paper 2 page 59-60 Golden tips agriculture page 108 Access secondary revision page 72	
4	1		Pastures establishment management	By the end of the lesson, the learner should be able to Describe pasture establishment Describe pasture management	Describing pasture establishment Describing pasture management note taking	Specimens of pastures Photographs of forage crops Garden tools	KLB secondary Agriculture form 3 pg 272-276 Longhorn secondary Agriculture form 3 pg 234-236 Teachers guide pg 106-107 Golden tips agriculture page 109 Access secondary revision page 72	
	2		Pastures utilizations	By the end of the lesson, the learner should be able to Describe various methods of pasture utilization	Describing various methods of pastures Utilization Asking and answering questions	Specimens of pastures Photographs of forage crops Students book	KLB secondary Agriculture form 3 pg 277-280 Longhorn secondary Agriculture form 3 pg 326-340 Teachers guide pg 107 Gateway Agriculture revision	

							paper 2 page 59-60 Golden tips agriculture page 109	
	3	Forage Crops	Grazing methods	By the end of the lesson, the learner should be able to Explain the two grazing methods State the advantages and disadvantages of each	Explaining the two grazing methods Stating the advantages and disadvantages of each	Diagrams in the students book Photographs charts	KLB secondary Agriculture form 3 pg 280-283 Gateway Agriculture revision paper 2 page 59-60 Access secondary agriculture page 73-74 Golden tips agriculture page 110-111	
	4		Folder crops Napier grass	By the end of the lesson, the learner should be able to State the ecological requirements of Napier grass Describe the field establishment, management and utilization	Describing the field production of Napier grass	Samples of folder crop School farm Photographs Charts Students book	KLB secondary Agriculture form 3 pg 283-287 Longhorn secondary Agriculture form 3 pg 241-242 Teachers guide pg 107 Gateway Agriculture revision paper 2 page 88 Access secondary revision page 94	
5	1	Forage crops	Sorghum Guatemala grass	By the end of the lesson, the learner should be able to Describe the production of Guatemala grass under ecological requirements, establishment, management and utilization Describe the production of sorghum under ecological requirements establishment, management and utilization	Describing the field production of sorghum and Guatemala grass	Students book Specimens of fodder crops Photographs of forage crops School farm	KLB secondary Agriculture form 3 pg 269-272 Longhorn secondary Agriculture form 3 pg 242-244 Teachers guide pg 108 Gateway Agriculture revision paper 2 page 89	
	2		Kales Edible Canaa	By the end of the lesson, the learner should be able to describe the production of kales under ecological requirements	Explanations Note taking	School farm Photographs of folder Specimen of fodder crops	KLB secondary Agriculture form 3 pg 291-292 Longhorn secondary Agriculture form 3 pg 244-245 Teachers guide pg 108	

							Gateway Agriculture revision paper 2 page 89-90 Golden tips agriculture page 108 Access secondary revision page 75-76	
	<b>3-4</b>		Fodder crops Lucerne Kenya white clover	By the of the end of the lesson, the learner should be able to Describe the production of Lucerne under ecological requirements, establishment and utilization Describe the production of Kenya white clover under ecological, requirement establishment, management and utilization	Describing the production of Lucerne, Kenya white clover Note making Asking and answering questions	Students book Specimens of Fodder crops Photographs of Forage crops	KLB secondary Agriculture form 3 pg 269-272 Longhorn secondary Agriculture form 3 pg 230-234 Teachers guide pg 106-107 Gateway Agriculture revision paper 2 page 59-60 Golden tips agriculture page 108 Access secondary revision page 72	
<b>6</b>	<b>1</b>	Forage Crops	Fodder crops Disodium Marigold	By the end of the lesson, the learner should be able to Describe the production of disodium under ecological requirements establishment, management and utilization Describe the production of marigold under ecological requirements and utilization	Describing the field production of disodium and marigold	Students book Specimens of fodder crops Photographs of fodder crops School farm	KLB secondary Agriculture form 3 pg 295-297 Longhorn secondary Agriculture form 3 pg 247-248 Teachers guide pg 108 Golden tips agriculture page 112 Access secondary revision page 77	
	<b>2</b>	Forage Crops	Agroforestry	By the end of the lesson, the learner should be able to Describe agroforestry under ecological requirement, management and utilization	Describing agro forestry tree/bushes Asking and answering questions Note making	Student's book Specimens of fodder crops Photographs of forage crops School farm	KLB secondary Agriculture form 3 pg 297-299 Longhorn secondary Agriculture form 3 pg 248-249 Teachers guide pg 108 Golden tips agriculture page 86,99	

	<b>3-4</b>		Forage Conservation	By the end of the lesson, the learner should be able to Define lay making Describe silage making Describe standing lay	Defining lay making Describing the making of lay silage and standing lay Asking and answering questions Drawing diagrams	Tools used School farm Specimens of lay Silage School farm Diagrams in the students book	Longhorn secondary Agriculture form 3 pg 250-253 Teachers guide pg 114-116 Gateway Agriculture revision paper 2 page 66-67 Golden tips agriculture page 112-113	
<b>7</b>	<b>1</b>	Health Livestock Diseases (III)	Terms used in livestock diseases Protozoan diseases E.C.F (East Coast Fever)	By the end of the lesson, the learner should be able to Define terms used in livestock diseases Describe cause symptoms and control	Defining terms Describing the East Coast Fever Asking and answering questions Note making	School farms Photographs of animals with the disease Diagrams in the students book Cattle dip	KLB secondary Agriculture form 3 pg 308-312 Longhorn secondary Agriculture form 3 pg 114-116 Teachers guide pg 106-107 Gateway Agriculture revision paper 2 page 66-67	

	2		Anaplasmosis	By the end of the lesson, the learner should be able to Describe the cause, symptoms and control of anaplasmosis	Describing anaplasmosis	School farm Photograph of animal with the disease Diagrams in the students book Students book	KLB secondary Agriculture form 3 pg 312 Longhorn secondary Agriculture form 3 pg 256-257 Teachers guide pg 114-116 Gateway Agriculture revision paper 2 page 66-67 Golden tips agriculture page 316 Access secondary revision page 204	
	3	Livestock diseases	Protozoan diseases Coccidiosis	By the end of the lesson, the learner should be able to Describe cause, symptoms and control of coccidiosis	Describing coccidiosis Note making Asking and answering questions	Photographs of animals with the disease School farm Diagrams in the students book	KLB secondary Agriculture form 3 pg 312-313 Longhorn secondary Agriculture form 3 pg 257-258 Teachers guide pg 114-116 Gateway Agriculture revision paper 2 page 66-67 Golden tips agriculture page 316 Access secondary revision page 204	
	4		Trypanosomiasis	By the end of the lesson, the learner should be able to Describe cause, symptoms and control of Trypanosomiasis	Describing trypanosomiasis Note taking Asking and answering questions	Photographs of animals with the disease School farm Diagrams in the students book	KLB secondary Agriculture form 3 pg 314 Longhorn secondary Agriculture form 3 pg 257-258 Teachers guide pg 114-116 Gateway Agriculture revision paper 2 page 66-67 Golden tips agriculture page 317	

							Access secondary revision page 204-205	
8	1		Bacteria diseases Fowl typhoid	By the end of the lesson, the learner should be able to Describe cause, symptoms and control of fowl typhoid	Describing fowl typhoid Note making Answering and asking questions	Farm Photographs of the affected animals Diagrams in the students books School farm	KLB secondary Agriculture form 3 pg 317-318 Longhorn secondary Agriculture form 3 pg 259-260 Teachers guide pg 116-117 Gateway Agriculture revision paper 2 page 67-71	
	2		Foot rot	By the end of the lesson, the learner should be able to Describe cause, symptoms and control of foot rot	Describing foot rot Disease Note making Asking and answering questions	School farm Students book Photographs of animal affected Diagrams in the students book	KLB secondary Agriculture form 3 pg 318-319 Longhorn secondary Agriculture form 3 pg 260-261 Teachers guide pg 116-117 Gateway Agriculture revision paper 2 page 67-71 Access secondary revision page 205-206	
	3	Livestock Health (III) diseases	Bacterial diseases Contagious abortion	By the end of the lesson, the learner should be able to Describe the causes, symptoms and control of contagious abortion	Describing contagious abortion Note making	Photographs of affected students book Farm (Livestock) School farm Diagrams in the students book	KLB secondary Agriculture form 3 pg 319-320 Longhorn secondary Agriculture form 3 pg 261-262 Teachers guide pg 116-117 Gateway Agriculture revision paper 2 page 67-71 Access secondary revision page 206	
	4		scours	By the end of the lesson, the learner should be able to Describe the causes, symptoms and the control of scours	Describing scours Note taking Asking and answering questions	Photographs of animals with the disease Students book Farm (Livestock) Diagrams in the students	KLB secondary Agriculture form 3 pg 320-321 Longhorn secondary Agriculture form 3 pg 261-262	



						book	Teachers guide pg 116-117 Gateway Agriculture revision paper 2 page 314 Access secondary revision page 206-207
9	1		Bacterial Black quarter Mastitis	By the end of the lesson, the learner should be able to Describe the cause, symptoms and control of mastitis Describe the cause, symptoms and control of black quarter	Describing the mastitis Describing the black quarter Note making drawings	school farm diagrams in the students book Photographs of affected animals Students book	KLB secondary Agriculture form 3 pg 321-322,315-317 Longhorn secondary Agriculture form 3 pg 263-264 Teachers guide pg 116-117 Golden tips agriculture page 314 Access secondary revision page 207
	2		Anthrax Pneumonia	By the end of the lesson, the learner should be able to Describe cause, symptoms and control of anthrax Describe cause, symptoms and control of pneumonia	Describing the Anthrax Describing the pneumonia Asking and answering questions	Photographs of animal with the disease School farm Livestock farm Diagrams on the students books	KLB secondary Agriculture form 3 pg 312 Longhorn secondary Agriculture form 3 pg 256-257 Teachers guide pg 116-117 Gateway Agriculture revision paper 2 page 67-71 Golden tips agriculture page 314 Access secondary revision page 208-209
	3-4	Livestock Diseases	Viral Diseases Foot & Mouth Rinderpest	By the end of the lesson, the learner should be able to Describe cause, symptom and control of foot and mouth Describe cause, symptom and control of Rinderpest	Describing foot and mouth and Rinderpest Asking and answering questions Note making	Photographs of the animal with the disease Students book Chalk board School farm Livestock farm Diagrams in the students book Charts	KLB secondary Agriculture form 3 pg 325-326 Longhorn secondary Agriculture form 3 pg 267-269 Teachers guide pg 116-117 Gateway Agriculture revision paper 2 page 71-74

							Access secondary revision page 209-210	
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10	1		New castle	By the end of the lesson, the learner should be able to Describe cause, symptoms and control a new castle	Describing new castle Asking and answering questions	Photographs of animal with the disease School farm Livestock farm Diagrams in the students book	KLB secondary Agriculture form 3 pg 326-327 Longhorn secondary Agriculture form 3 pg 269-270 Teachers guide pg 117-118 Gateway Agriculture revision paper 2 page 71-74 Golden tips agriculture page 316 Access secondary revision page 210	
	2		Fowl Pox	By the end of the lesson, the learner should be able to Describe cause, symptoms and control of fowl pox	Describing fowl pox disease Asking and answering questions	Livestock farm School farms Students book Photographs of the affected animal	KLB secondary Agriculture form 3 pg 327-329 Longhorn secondary Agriculture form 3 pg 269-270 Teachers guide pg 117-118 Golden tips agriculture page 315 Access secondary revision page 211	
	3		Gumboro	By the end of the lesson, the learner should be able to Describe cause, symptoms and control of Gumboro	Describing Gumboro Asking and answering questions Note making	Photograph of affected animal Livestock farm School farm Students book	KLB secondary Agriculture form 3 pg 329 Longhorn secondary Agriculture form 3 pg 271-272 Teachers guide pg 117-118 Golden tips agriculture page 315 Access secondary revision page 211	
	4	Livestock Diseases	African Swine Fever	By the end of the lesson, the learner should be able to	Describing African Swine Fever	Photograph of animals with the disease	KLB secondary Agriculture form 3 pg 330-332	

				Describe cause, symptom and control of African Swine Fever	Note taking Asking and answering questions	Diagrams in the students book School farm Livestock farm	Longhorn secondary Agriculture form 3 pg 272-273 Teachers guide pg 118-119 Gateway Agriculture revision paper 2 page 66-67 Golden tips agriculture page 317 Access secondary revision page 212
<b>11</b>	<b>1</b>		Nutritional disorders Milk fever	By the end of the lesson, the learner should be able to Describe causes, symptoms and control, treatment of milk fever	Describing milk fever Note making Asking and answering questions	Photographs of animals with the disease Diagrams in the students book School farm Livestock farm	KLB secondary Agriculture form 3 pg 330-332 Longhorn secondary Agriculture form 3 pg 272-273 Teachers guide pg 118-119 Gateway Agriculture revision paper 2 page 66-67 Golden tips agriculture page 317 Access secondary revision page 212
	<b>2</b>		Bloat	By the end of the lesson, the learner should be able to Describe the cause, symptom and the control of bloat	Describing bloat diseases Drawing the process of control using surgical means Asking and answering questions	Troca and canular Photographs of the animals with the disease Diagrams in the students book School farm	KLB secondary Agriculture form 3 pg 332-333 Longhorn secondary Agriculture form 3 pg 272-273 Teachers guide pg 118-119 Gateway Agriculture revision paper 2 page 66-67 Golden tips agriculture page 317 Access secondary revision page 212