

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 POULTRY FARMING

Mandatory Units

S/No /Unit No	Reference Number	NOS Title	Credit Value	Guided Learning Hours	Remark
1	AHP/PLF/001/L1	Demonstrate the knowledge of poultry production	3	30	NSQ Level 1
2	AHP/PLF/002/L1	Demonstrate the understanding of poultry housing systems	5	50	NSQ Level 1
3	AHP/PLF/003/L1	Demonstrate the knowledge of basic poultry husbandry practices	4	40	NSQ Level 1
4	AHP/PLF/004/L1	Adopt selection criteria for breeding in poultry	2	20	NSQ Level 1
5	AHP/PLF/005/L1	Demonstrate the understanding of feeds and feeding practices in poultry	4	40	NSQ Level 1
6	AHP/PLF/006/L1	Demonstrate the understanding of poultry meat production	3	30	NSQ Level 1
7	AHP/PLF/007/L1	Demonstrate the understanding of commercial poultry egg production	3	30	NSQ Level 1

Optional Units

S/No /Unit No	Reference Number	NOS Title	Credit Value	Guided Learning Hours	Remark

NOTE: This is a 24 credit qualification. To achieve this qualification; Learners are required to achieve 24 credits from the mandatory units. Each Credit is equivalent to approx. 10 Guided Learning Hours (GLH). The Total Learning Hours will therefore consist of the GLH *plus* the independent learning hours of the candidate, which is generally 50% – 150% of the GLH. ***The actual Total Learning Hours for each Credit will then be a minimum of 24 hours.***

Qualification

Purpose:

The qualification is designed to produce highly competent and skilled personnel capable of producing eggs and meat as well as their products and operating the activity as a veritable business enterprise along the poultry value chain.

GUIDE

Unit title	Provides a clear explanation of the content of the unit.
Unit number	The unique number assigned to the unit
Unit reference	The unique reference number given to each unit at qualification approval by NBTE
Unit level	Denotes the level of the unit within the National Skills Qualification framework NSQF.
Unit credit value	The value that has been given to the unit based on the expected learning time for an average learner. 1 credit = 10 learning hours

Unit aim	Provides a brief outline of the unit content.
Learning outcome	A statement of what a learner will know, understand or be able to do, as a result of a process of learning.
Assessment criteria	A description of the requirements a learner must achieve to demonstrate that a learning outcome has been met.
Unit assessment guidance	Any additional guidance provided to support the assessment of the unit.
Unit guided learning hours	The average number of hours of supervised or directed study time or assessment required to achieve a qualification or unit of a qualification.

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 POULTRY FARMING

Unit 1: Demonstrate the knowledge of poultry production

Unit Reference Number: AHP/PLF/001/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Unit Purpose: This unit standard specifies the competencies required to demonstrate the understanding of the concept, history and development of poultry production. It includes history and development of poultry farming, career opportunities and working conditions. This unit standard is intended for those who are interested in operating small scale poultry farms and carrying out associated production processes.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Work Product (WP)

5. Recognition of Prior Learning (RPL)

6. Other methods (O t), assignments.

UNIT 01

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
LO 1: Demonstrate the understanding of the history and development of poultry production	1.1	Describe the various terminologies used in poultry farming.								
	1.2	State the history and development of poultry production.								
	1.3	Explain the socio-economic importance of poultry production.								
	1.4	Explain factors that affect poultry farming								
	1.5	Identify relevant laws and regulations applicable to poultry production								
	1.6	Explain the geographical importance of poultry production								
	1.7	Identify the various breeds of poultry								
	1.8	Use a map of Nigeria to identify major poultry producing areas.								
	1.9	Using the same map, locate poultry breeds found in those areas.								
LO 2: Demonstrate the Understanding of the employment characteristics in poultry production	2.1	Outline the various career opportunities in poultry production								
	2.2	Explain the value chain of poultry production								
	2.3	List the major actors in poultry value chain								
	2.4	Describe the main forms of marketing used in poultry production								
Learners Signature:						Date:				

LEARNING OBJECTIVE (LO)	PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:	The learner can:		
Assessors Signature:		Date:	
IQA Signature (if sampled)		Date:	
EQA Signature (if sampled)		Date:	

LIST OF ITEMS FOR LEARNING

Charts

Visual arts

Posters

Multi-media projector

Live poultry birds: Shika Brown, FUNAAB Alpha, Rhode Island Red, White Leghorn, Indigenous scavenging types etc

Eggs and poultry meat products

Additional information about the unit	
Unit aim(s)	The unit equips the learner with knowledge and techniques in poultry production targeting small scale animal farms operation.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Poultry farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE

Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Poultry farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	30

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 POULTRY FARMING

Unit 2: Demonstrate the understanding of poultry housing systems

Unit Reference Number: AHP/PLF/002/L1

NSQ Level: 1

Credit Value: 5

Guided Learning Hours: 50

Unit Purpose: This unit specifies the competencies required to understand the basic principles of constructing and maintaining poultry houses depending on the environment.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Recognition of Prior Learning (RPL)
6. Other methods (O t), assignments.

UNIT 02

LEARNING OBJECTIVE (LO)	PERFORMANCE CRITERIA		Evidence Type				Evidence Ref. Page No.				
The learner will:	The learner can:										
LO 1: Demonstrate the knowledge of housing needs for poultry	1.1	Explain the unique housing need for poultry based on the following: their lack of sweat gland; feather coverage and floor space requirements									
	1.2	Explain the following specific needs of poultry birds in their houses: aeration, ventilation, feeding, watering, lighting, humidity									
	1.3	Explain the different types of poultry housing such as deep litter, battery cages, traditional cookoo or basket									
LO 2: Demonstrate the knowledge of deep litter housing type	2.1	Highlight types of deep litter housing									
	2.2	Explain the types of deep litter housing									
	2.3	Highlight floor spacing for the different classes of poultry on deep litter									
LO3: Demonstrate the knowledge of battery cage housing in poultry	3.1	Highlight types of Battery cage housing									
	3.2	State the peculiarities of battery cage housing type									
	3.3	State space provision for caged birds									
LO4: Demonstrate the knowledge of equipment peculiar to various poultry housing	4.1	Identify the various equipment peculiar to various poultry houses									
	4.2	Explain the various equipment peculiar to various poultry houses									
	4.3	Use the various equipment identified above									
Learners Signature:			Date:								
Assessors Signature:			Date:								
IQA Signature (if sampled)			Date:								
EQA Signature (if sampled)			Date:								

LIST OF TOOLS, EQUIPMENT AND ITEMS FOR LEARNING

Poultry housing equipment

Charts

Visual arts

Posters

Multi-media projectors

Cages

Feed troughs

Water troughs

Light sources

Thermo-hygrotherms etc

Additional information about the unit	
Unit aim(s)	The aim of this unit is about the learner's ability to understand the housing requirements for different classes of birds
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Poultry farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Poultry farming)

Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	50

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 POULTRY FARMING

Unit 3: Demonstrate the knowledge of basic poultry husbandry practices

Unit Reference Number: AHP/PLF/003/L1

NSQ Level: 1

Credit Value: 4

Guided Learning Hours: 40

Unit Purpose: This unit is about the basic husbandry practices in poultry production

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Recognition of Prior Learning (RPL)
6. Other methods (O t), assignments.

UNIT 03

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
LO 1: Demonstrate the knowledge of basic husbandry practices in poultry production	1.1	Explain the following basic husbandry practices: brooding, rearing, finishing, feeding, vaccination, medication, debeaking, cleaning, litter management etc								
	1.2	Describe the brooding, rearing and finishing process in the husbandry of poultry								
	1.3	Describe the feeding process in poultry husbandry practice								
	1.4	Describe the vaccination and medication process in poultry husbandry practice								
	1.5	Describe debeaking process in poultry husbandry practice								
	1.6	Describe cleaning and litter management in poultry husbandry practice								
	1.8	Identify the tools for each husbandry practice								
	1.9	Explain the use of the tools for each husbandry practice								
	1.10	Use the tools for each husbandry practice								
	Learners Signature:			Date:						
Assessors Signature:			Date:							
IQA Signature (if sampled)			Date:							
EQA Signature (if sampled)			Date:							

LIST OF TOOLS, EQUIPMENT AND ITEMS FOR LEARNING

Poultry birds

Poultry appliances

Electric Bulbs

Debeakers

Hovers

Feed troughs

Water troughs

Visual aids

Multi-media projectors etc

Additional information about the unit	
Unit aim(s)	The aim of this unit is to enable the learner to understand the husbandry practices involved in poultry production.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Poultry farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Poultry farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	40

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 POULTRY FARMING

Unit 4: Adopt selection criteria for breeding in poultry

Unit Reference Number: AHP/LSF/004/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Unit Purpose: This unit is on the methods of selecting poultry for breeding purpose

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Recognition of Prior Learning (RPL)
6. Other methods (O t), assignments.

UNIT 04

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type					Evidence Ref. Page No.			
The learner will:		The learner can:									
LO 1: Demonstrate the knowledge of different selection criteria and methods in poultry production	1.1	Identify the different methods of selection of poultry birds e.g individual selection, family selection etc									
	1.2	Explain the different methods of selection of poultry birds									
	1.3	Explain the following poultry traits: body size, meat quality, egg number, egg size, fertility, hatchability, survivability, feather colour etc									

LEARNING OBJECTIVE (LO)	PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:	The learner can:		
Learners Signature:		Date:	
Assessors Signature:		Date:	
IQA Signature (if sampled)		Date:	
EQA Signature (if sampled)		Date:	

LIST OF ITEMS FOR LEARNING

Charts
Posters
Multimedia projectors

Additional information about the unit	
Unit aim(s)	The aim of this unit is to equip the learner with knowledge on the traits for selection and breeding in poultry.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Poultry farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)

Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Poultry farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	30

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 POULTRY FARMING

Unit 5: Demonstrate the understanding of feeds and feeding practices in poultry

Unit Reference Number: AHP/LSF/005/L1

NSQ Level: 1

Credit Value: 4

Guided Learning Hours: 40

Unit Purpose: This unit is about the feeds and feeding of poultry birds

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Recognition of Prior Learning (RPL)
6. Other methods (O t), assignments.

UNIT 05

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
LO 1: Demonstrate the knowledge of different feed categories of poultry birds	1.1	Identify common feed ingredients such as maize seed, maize bran, wheat chaff, sorghum seed, groundnut cake, bone meal, blood meal, feed additives etc								
	1.2	Explain the following feeds: chick mash, growers mash, layers mash, broiler finishers								
	1.3	Explain how to store feeds								
LO 2: Demonstrate the process of feeding poultry birds	2.1	Explain how to feed pullet chicks, growers, pre-layers, and egg producing pullets								
	2.2	Explain how to feed starter, grower and finisher broiler chicken								
	2.3	Explain how to feed breeder broiler, chicks, growers and cocks								
	2.4	Explain how to feed breeding pullet chicks, growers, pre-layers and laying hens								
Learners Signature:			Date:							
Assessors Signature:			Date:							
IQA Signature (if sampled)			Date:							
EQA Signature (if sampled)			Date:							

LIST OF TOOLS, EQUIPMENT AND ITEMS FOR LEARNING

Feed ingredients

Feed forms

Feed troughs

Water troughs

Charts

Visual aids

Multi-media projectors etc

Additional information about the unit	
Unit aim(s)	The aim of this unit is to assess the learner's understanding of poultry nutrition.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Poultry farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Poultry farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	40

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 POULTRY FARMING

Unit 6: Demonstrate the understanding of poultry meat production

Unit Reference Number: AHP/PLF/006/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Unit Purpose: This unit is about the production of good quality broiler meat

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Recognition of Prior Learning (RPL)
6. Other methods (O t), assignments.

UNIT 06

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
LO 1: Demonstrate the production and processing of broiler meat	1.1	Explain how to achieve uniform growing flocks								
	1.2	Explain the following meat processing procedures in poultry: <ul style="list-style-type: none"> • Stunning • Bleeding • Scalding • Defeathering • Cutting • Packaging 								
	1.3	Explain the importance of storing broiler meat								
	1.4	Explain broiler meat grading and factors that may affect meat quality								
Learners Signature:			Date:							
Assessors Signature:			Date:							
IQA Signature (if sampled)			Date:							
EQA Signature (if sampled)			Date:							

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

Charts

Visual arts

Posters

Brooding utensils

Deep freezers

Fridges

Knives

Slaughter slabs

Brooms

Collection containers

Weighing balance

Additional information about the unit	
Unit aim(s)	The unit aims at giving information on poultry meat processing and packaging.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Poultry farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Poultry farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	30

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 POULTRY FARMING

Unit 7: Demonstrate the understanding of commercial poultry egg production

Unit Reference Number: AHP/PLF/007/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Unit Purpose: This unit gives information on the production of high quality poultry eggs

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Work Product (WP)
5. Recognition of Prior Learning (RPL)
6. Other methods (O t), assignments.

UNIT 07

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
LO 1: Demonstrate the process of rearing poultry from day old to pullet/hen stage	1.1	Explain the processes involved in rearing egg producing birds from day old to pullet/hen stage								
	1.2	Explain appropriate floor feeding space and desirable morphology in growing pullets								
	1.3	Explain vaccination and medication schedule for the birds								
LO 2: Demonstrate the process of poultry eggs production	2.1	Describe egg collection, sorting, grading and storage								
	2.2	Explain egg glut, egg durability and egg sales								
	2.3	Explain importance of processing eggs before consumption								
Learners Signature:			Date:							
Assessors Signature:			Date:							
IQA Signature (if sampled)			Date:							
EQA Signature (if sampled)			Date:							

LIST OF ITEMS AND MATERIALS FOR LEARNING

Day old chicks

Pullets

Pullet husbandry utensils

Charts

Visual arts

Posters

Multimedia projectors

Eggs

Egg trays

Egg products etc

Additional information about the unit	
Unit aim(s)	The unit aim is to provide the learner skills to produce eggs and handle its products.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Poultry farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Poultry farming)

Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	30

National Vocational Qualification
LEVEL 2 POULTRY PRODUCTION

Unit 1: Poultry: Meaning, importance and tenets of producers

Unit Reference Number: **Unit Reference Number: ANP/PP/001/L2**

Credit Value: 2

NSQ Level: 2

Guided Learning Hours: 20

Unit Purpose: To emphasize the pertinence of poultry and poultry products to national development, health management, economic growth and development of Nigeria. To give needed impetus and boost the morale of poultry workers with the mindset of promoting dignity of labour as well as inculcating the thoughts of contributing significantly to national development.

Unit assessment requirements/evidence requirements: Assessment may be carried out in real workplace environment where learning and human activities are normally conducted. However, simulation techniques may also be adopted to replace or enhance real-life experiences.

Assessment methods to be used include:

1. Direct Observation/Oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal Statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Other methods, assignments, case study, essay, project, etc.

UNIT 1

LEARNING OUTCOME (LO)		PERFORMANCE CRITERIA	Evidence Type
The learner will:			

		The learner can:					
LO 1: Understand reasons for poultry production	1.1	Explain the meaning of poultry					
	1.2	Interpret demand-supply patterns for eggs, chicken meat and other poultry products in Nigeria					
	1.3	Identify key roles of poultry in national development					
LO 2: Understand prospects and risks involved in keeping poultry	2.1	Identify key selling points for egg and poultry meat production in Nigeria					
	2.2	Identify risks involved in egg and poultry meat production					
	2.3	Advice on prospects for keeping poultry in Nigeria					
LO 3: Understand the nature and relevance of egg and poultry meat to human nutrition and development	3.1	Explain the essence of wholesome poultry eggs and meat for humans					
	3.2	Explain nutritional and food value of meat and egg to human beings					
	3.3	Explain key roles of eggs and meat in mental development of infants					
	3.4	Identify direct and indirect contributions of poultry to national development					
LO 4: Recognize business opportunities and primary/secondary industries involved in poultry production	4.1	Identify business opportunities in the poultry-value-chain					
	4.2	Identify primary industries in poultry production					
	4.3	Identify secondary and support industries					

	4.4	Identify key players in the Nigerian poultry industry					
Learners Signature:							
Assessors Signature:							
EQA Signature (if sampled)							
Additional information about the unit							
Unit aim(s)				The aim of this unit is to assess the learner's demonstration of competence on processes involve management and value chain development.			
Unit expiry date				Dec. 2020			
Details of the relationship between the unit and relevant national occupational standards (if appropriate)				POULTRY PRODUCTION.			
Details of the relationship between the unit and other standards or curricula (if appropriate)							
Assessment requirements specified by a sector or regulatory body (if appropriate)							
Endorsement of the unit by a sector or other appropriate body (if required)				NIAS			
Location of the unit within the subject/sector classification system				POULTRY PRODUCTION.			
Name of the organisation submitting the unit				NIAS, Mafita			
Guided Learning Hours				20			

Unit number	The unique number assigned to the unit
Unit reference	The unique reference number given to each unit at qualification approval by NBTE
Unit level	Denotes the level of the unit within the National Skills Qualification framework NSQF.
Unit credit value	The value that has been given to the unit based on the expected learning time for an average learner. 1 credit = 10 learning hours
Unit aim	Provides a brief outline of the unit content.
Learning outcome	A statement of what a learner will know, understand or be able to do, as a result of a process of learning.
Assessment criteria	A description of the requirements a learner must achieve to demonstrate that a learning outcome has been met.
Unit assessment guidance	Any additional guidance provided to support the assessment of the unit.
Unit guided learning hours	The average number of hours of supervised or directed study time or assessment required to achieve a qualification or unit of a qualification.

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 LIVESTOCK FARMING

Mandatory Units

S/No /Unit No	Reference Number	NOS Title	Credit Value	Guided Learning Hours	Remark
1	AHP/LSF/001/L1	Demonstrate knowledge of cattle, sheep and goat production	2	20	NSQ Level 1
2	AHP/LSF/002/L1	Demonstrate understanding of the principles of calf, lamb and kid rearing	4	40	NSQ Level 1
3	AHP/LSF/003/L1	Demonstrate knowledge of young stock management in cattle, sheep and goats	4	40	NSQ Level 1
4	AHP/LSF/004/L1	Adopt selection criteria for breeding in ruminants	3	30	NSQ Level 1
5	AHP/LSF/005/L1	Demonstrate understanding of heat detection in ruminants	2	20	NSQ Level 1
6	AHP/LSF/006/L1	Demonstrate the techniques of meat and milk handling	3	30	NSQ Level 1
7	AHP/LSF/008/L1	Demonstrate knowledge of feed production and utilization	3	30	NSQ Level 1
8	AHP/LSF/009/L1	Livestock product processing and marketing	3	30	NSQ Level 1

Optional Units

S/No /Unit No	Reference Number	NOS Title	Credit Value	Guided Learning Hours	Remark

NOTE: This is a 24 credit qualification. To achieve this qualification; Learners are required to achieve 24 credits from the mandatory units. Each Credit is equivalent to approx. 10 Guided Learning Hours (GLH). The Total Learning Hours will therefore consist of the GLH *plus* the independent learning hours of the candidate, which is generally 50% – 150% of the GLH. ***The actual Total Learning Hours for each Credit will then be a minimum of 24 hours.***

Qualification Purpose:

The qualification is designed to produce skilled and knowledgeable personnel capable of producing milk, meat and operating the activity as a business enterprise along the value chain.

GUIDE

Unit title	Provides a clear explanation of the content of the unit.
Unit number	The unique number assigned to the unit
Unit reference	The unique reference number given to each unit at qualification approval by NBTE
Unit level	Denotes the level of the unit within the National Skills Qualification framework NSQF.
	The value that has been given to the unit

Unit credit value	based on the expected learning time for an average learner. 1 credit = 10 learning hours
Unit aim	Provides a brief outline of the unit content.
Learning outcome	A statement of what a learner will know, understand or be able to do, as a result of a process of learning.
Assessment criteria	A description of the requirements a learner must achieve to demonstrate that a learning outcome has been met.
Unit assessment guidance	Any additional guidance provided to support the assessment of the unit.
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NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 LIVESTOCK FARMING

Unit 1: Demonstrate knowledge of cattle, sheep and goat production

Unit Reference Number: AHP/LSF/001/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 20

Unit Purpose: This unit standard specifies the competencies required to demonstrate the understanding of the concept, history and development of cattle, sheep and goat production. It includes history and development of cattle, sheep and goat farming, career opportunities and working conditions. This unit standard is intended for those who are interested in operating small scale animal farms and carrying out associated production processes.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

7. Direct Observation/oral questions (DO)
8. Question and Answer (QA)
9. Witness Testimony (WT)
10. Work Product (WP)
11. Recognition of Prior Learning (RPL)
12. Other methods (O t), assignments.

UNIT 01

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.				
LO 1: Understand the history and development of cattle, sheep and goat production	1.1	Describe the various terminologies used in animal husbandry.									
	1.2	State the history and development of cattle, sheep and goat production.									
	1.3	Explain the socio-economic importance of cattle, sheep and goat production.									
	1.4	Explain factors that affect animal husbandry									
	1.5	Identify relevant laws and regulations applicable to cattle, sheep and goat production									
	1.6	Explain the geographical importance of cattle, sheep and goat production									
	1.7	Identify the various breeds of cattle, sheep and goats									
	1.8	Use a map of Nigeria to identify major cattle, sheep and goats producing areas.									
	1.9	Using the same map, locate cattle, sheep and goat breeds found in those areas.									
LO 2: Understand the employment characteristics in cattle, sheep and goat production	2.1	Outline the various career opportunities in cattle, sheep and goat production									
	2.2	Explain the value chain of cattle, sheep and goat production									
	2.3	List the key role players in cattle, sheep and goat production									
	2.4	Describe the main forms of marketing used in cattle, sheep and goat									

LEARNING OBJECTIVE (LO)	PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:	The learner can:		
	production		
Learners Signature:		Date:	
Assessors Signature:		Date:	
IQA Signature (if sampled)		Date:	
EQA Signature (if sampled)		Date:	

LIST OF ITEMS FOR LEARNING

Charts

Multi-media projector

Live cattle: Bunaji, Sokoto Gudali, Red Bororo, N'Dama, Muturu etc

Live sheep: Yankasa, Uda, Balami, WAD.

Live goats: Red Sokoto, Kano Brown, Sahel, West African Dwarf (WAD),

Additional information about the unit	
Unit aim(s)	The aim of this unit is to equip the learner with knowledge and techniques in cattle, sheep and goat production targeting small scale animal farms operation.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (livestock farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE

Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	20

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 LIVESTOCK FARMING

Unit 2: Demonstrate understanding of the principles of calf, lamb and kid rearing

Unit Reference Number: AHP/LSF/002/L1

NSQ Level: 1

Credit Value: 4

Guided Learning Hours: 40

Unit Purpose: This unit specifies the competencies required to understand the principles of rearing calves, lambs and kids.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

7. Direct Observation/oral questions (DO)
8. Question and Answer (QA)
9. Witness Testimony (WT)
10. Work Product (WP)
11. Recognition of Prior Learning (RPL)
12. Other methods (O t), assignments.

UNIT 02

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
LO 1: Understand the principles of calf, lamb and kid housing	1.1	State the types of housing required for calves, lambs and kids								
	1.2	Identify the materials needed for the construction of each house								
	1.3	Identify and use the rearing equipment								

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
		needed within each house								
LO 2: Understand the methods of feeding calves, lambs and kids	2.1	State the nutrient requirements of calves, lambs and kids								
	2.2	Explain the process of feeding calves, lambs and kids								
	2.3	Explain the importance of colostrum in calf, lamb and kid feeding								
LO3: Understand the principles of calf, lamb and kid health management	3.1	Identify the basic health challenges of calves, lambs and kids								
	3.2	Explain the steps to take to make calves, lambs and kids healthy								
	3.3	Identify sick calves, lambs and kids								
Learners Signature:			Date:							
Assessors Signature:			Date:							
IQA Signature (if sampled)			Date:							
EQA Signature (if sampled)			Date:							

LIST OF TOOLS, EQUIPMENT AND ITEMS FOR LEARNING

Cribs

Drinkers

Materials for housing

Bedding materials

Thermometer

Heat source

Additional information about the unit

Unit aim(s)	The aim of this unit is to enable the learner to take care of calves, lambs and kids from day old to weaning.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Livestock farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	40

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 LIVESTOCK FARMING

Unit 3: Demonstrate knowledge of young stock management in cattle, sheep and goats

Unit Reference Number: AHP/LSF/003/L1

NSQ Level: 1

Credit Value: 4

Guided Learning Hours: 40

Unit Purpose: This unit is about the techniques involved in the management of young stock in cattle, sheep and goat production

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

7. Direct Observation/oral questions (DO)
8. Question and Answer (QA)
9. Witness Testimony (WT)
10. Work Product (WP)
11. Recognition of Prior Learning (RPL)
12. Other methods (O t), assignments.

UNIT 03

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
LO 1: Understand the principles of managing young cattle, sheep and goats	1.1	State the types of housing required for young cattle, sheep and goats								
	1.2	Identify the materials needed for the construction of each house								
	1.3	Identify the rearing equipment needed within each house								
	1.4	Explain the use of the rearing equipment needed within each house								
LO 2: Understand the methods of feeding young cattle, sheep and goats	2.1	State the nutrient requirements of young cattle, sheep and goats								
	2.2	Explain the process of feeding young cattle, sheep and goats								
	2.3	Carry out the feeding of cattle, sheep and goats								
LO3: Understand the principles of health management of young cattle, sheep and goats	3.1	Identify the basic health challenges of young cattle, sheep and goats								
	3.2	Explain the steps to take to make young cattle, sheep and goats healthy								
	3.3	Identify sick cattle, sheep and goats								
Learners Signature:						Date:				
Assessors Signature:						Date:				
IQA Signature (if sampled)						Date:				
EQA Signature (if sampled)						Date:				

LIST OF TOOLS, EQUIPMENT AND ITEMS FOR LEARNING

Feeders

Drinkers

Materials for housing

Bedding materials

Thermometer

Light source

Additional information about the unit	
Unit aim(s)	The aim of this unit is to enable the learner to take care of young cattle, sheep and goats from weaning to adult stage.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Livestock farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	40

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 LIVESTOCK FARMING

Unit 4: Adopt selection criteria for breeding in ruminants

Unit Reference Number: AHP/LSF/004/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Unit Purpose: This unit is about the methods of selecting cattle, sheep and goats for breeding purpose

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

7. Direct Observation/oral questions (DO)
8. Question and Answer (QA)
9. Witness Testimony (WT)
10. Work Product (WP)
11. Recognition of Prior Learning (RPL)
12. Other methods (O t), assignments.

UNIT 04

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type					Evidence Ref. Page No.			
The learner will:		The learner can:									
LO 1: Understand the different selection criteria and methods in cattle, sheep and goat production	1.1	Identify the different methods of selection of cattle, sheep and goats e.g individual selection, family selection etc									
	1.2	Explain the different methods of selection of cattle, sheep and goats									
	1.3	Identify the following selection criteria: sire to dam indices, rump angle, body size, fertility, survivability, teat placement, leg positions, udder texture etc									
Learners Signature:			Date:								
Assessors Signature:			Date:								
IQA Signature (if sampled)			Date:								
EQA Signature (if sampled)			Date:								

LIST OF ITEMS FOR LEARNING

Charts
Posters
Multimedia projectors

Additional information about the unit	
Unit aim(s)	The aim of this unit is to equip the learner with knowledge on the traits for selection in cattle, sheep and goats.
Unit expiry date	Dec. 2020

Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Livestock farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	30

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 LIVESTOCK FARMING

Unit 5: Demonstrate understanding of heat detection in ruminants

Unit Reference Number: AHP/LSF/005/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 20

Unit Purpose: This unit is about the process of detecting heat in cattle, sheep and goats

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

7. Direct Observation/oral questions (DO)
8. Question and Answer (QA)
9. Witness Testimony (WT)
10. Work Product (WP)
11. Recognition of Prior Learning (RPL)
12. Other methods (O t), assignments.

UNIT 05

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.				
LO 1: Understand heat detection in ruminants	1.1	Describe heat detection in adult female cattle, sheep and goats									
	1.2	State reasons for heat detection in adult female cattle, sheep and goats									
	1.3	Identify heat period cattle, sheep and goats									
LO 2: Show signs of heat in cattle, sheep and goats	2.1	Explain the signs of heat in adult female cattle, sheep and goats									
	2.2	Explain the AM/PM rule in heat detection									
	2.3	Explain the use of gadgets for heat detection									
Learners Signature:			Date:								
Assessors Signature:			Date:								
IQA Signature (if sampled)			Date:								
EQA Signature (if sampled)			Date:								

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

Charts

Heat detection Gadgets

Multi-media projector

Additional information about the unit	
Unit aim(s)	The aim of this unit is to assess the learner's understanding of heat detection process.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Livestock farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	20

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 LIVESTOCK FARMING

Unit 6: Demonstrate the techniques of meat and milk handling

Unit Reference Number: AHP/LSF/006/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Unit Purpose: This unit is about the techniques of handling the meat and milk of cattle, sheep and goats

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

7. Direct Observation/oral questions (DO)
8. Question and Answer (QA)
9. Witness Testimony (WT)
10. Work Product (WP)
11. Recognition of Prior Learning (RPL)
12. Other methods (O t), assignments.

UNIT 06

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.				
LO 1: Understand meat and milk handling techniques	1.1	Identify meat and milk handling techniques in cattle, sheep and goat production									
	1.2	Explain the working principles of the equipment used in processing and storage of meat and milk									
	1.3	Explain the maintenance procedure of the equipment									
	1.4	State the performance specification for the equipment									
LO 2: Understand hygiene in meat and milk handling	2.1	State reasons for hygiene in the meat and milk industry									
	2.2	Explain the hygiene process while handling meat and milk									
	2.3	Identify hygiene materials needed for handling meat and milk									
Learners Signature:			Date:								
Assessors Signature:			Date:								
IQA Signature (if sampled)			Date:								
EQA Signature (if sampled)			Date:								

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

Charts

Live cattle, sheep and goats

Rope

Milking parlours

Milking machine

Milking can

Deep freezers

Fridges

Spatula

Knife

Slaughter slab

Broom

Collection containers

Sieve

Weighing balance

Additional information about the unit	
Unit aim(s)	The unit aims at enabling the understanding of meat and milk handling by the learner.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Livestock farming)

Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	30

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 1 LIVESTOCK FARMING

Unit 7: Demonstrate knowledge of feed production and utilization

Unit Reference Number: AHP/LSF/008/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Unit Purpose: This unit gives information on the different forms of feed and their utilization by cattle, sheep and goats

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

7. Direct Observation/oral questions (DO)
8. Question and Answer (QA)
9. Witness Testimony (WT)
10. Work Product (WP)
11. Recognition of Prior Learning (RPL)
12. Other methods (O t), assignments.

UNIT 07

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
LO 1: Understand feed production for ruminants	1.1	Identify different forms of feeds required by cattle, sheep and goats <ul style="list-style-type: none"> - Concentrates - Roughages - Minerals 								
	1.2	Explain the methods of hay and silage making								
	1.3	Explain the concept of Total Mixed Ration (TMR): A combination of Concentrates, Roughages and Minerals								
LO 2: Understand feed and water utilization by ruminants	2.1	Describe how feed is utilized by cattle, sheep and goats								
	2.2	Describe the process of water utilization by cattle, sheep and goats								
	2.3	State the importance of feeds and water in cattle, sheep and goat production								
Learners Signature:			Date:							
Assessors Signature:			Date:							
IQA Signature (if sampled)			Date:							

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
EQA Signature (if sampled)			Date:	

LIST OF ITEMS AND MATERIALS FOR LEARNING

Charts

Concentrates

Roughages

Minerals

Hay Baler

Silage pit

Additional information about the unit	
Unit aim(s)	The unit enables the learner to correctly feed cattle, sheep and goats.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Livestock farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)

Location of the unit within the subject/sector classification system	Animal Husbandry Practice (Livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	30

ANIMAL HUSBANDRY SECTOR
NSQ LEVEL 1 LIVESTOCK FARMING

Unit 8: Livestock products processing and marketing

Unit Reference Number: AHP/LSF/009/L1

NSQ Level: 1

Credit Value: 3

Guided Learning Hours: 30

Unit Purpose: This unit gives information on the different processing and marketing methods of cattle, sheep and goat products

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is not allowed* in this unit and level.

Assessment methods to be used include:

13. Direct Observation/oral questions (DO)
14. Question and Answer (QA)
15. Witness Testimony (WT)
16. Work Product (WP)
17. Recognition of Prior Learning (RPL)
18. Other methods (O t), assignments.

UNIT 08

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
LO 1: Understand livestock products processing methods	1.1	Identify various cattle, sheep and goat marketable products such as: <ul style="list-style-type: none"> - Cheese - Yoghurt - Hide and skin - Horns and hooves - Manure 								
	1.2	Describe the process of making cheese and yoghurt								
	1.3	Describe the process of making hides and skin								
	1.4	Describe the utilisation of horns, hooves and manure								
	1.5	Describe the utilisation of manure								
LO 2: Understand livestock products marketing	2.1	Explain the marketing strategies for cheese and yoghurt								
	2.2	Explain the marketing strategies for Hides and skin								
	2.3	Explain the marketing strategies for horns and hooves								
	2.4	Explain the marketing strategies for manure								
Learners Signature:			Date:							

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:		The learner can:		
Assessors Signature:			Date:	
IQA Signature (if sampled)			Date:	
EQA Signature (if sampled)			Date:	

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

Charts

Multi-media projector

Livestock skins

Starter culture

Thermometer

Heater

Milk containers

Boiling pots

Refrigerator

Additional information about the unit	
Unit aim(s)	The unit aim is to enable the learner to prepare and market some cattle, sheep and goat products.
Unit expiry date	Dec. 2020

Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (Livestock farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	30

NATIONAL SKILLS QUALIFICATION

ANIMAL HUSBANDRY SECTOR

NSQ LEVEL 2 IN LIVESTOCK FARMING

Mandatory Units

S/No /Unit No	Reference Number	NOS Title	Credit Value	Guided Learning Hours	Remark
1	AHP/LSF/001/L1	Demonstrate knowledge of cattle, sheep and goat production	2	20	NSQ Level 1
2	AHP/LSF/002/L1	Demonstrate understanding of the principles of calf, lamb and kid rearing	5	50	NSQ Level 1
3	AHP/LSF/003/L1	Demonstrate knowledge of young stock management in cattle, sheep and goats	5	50	NSQ Level 1
4	AHP/LSF/004/L1	Adopt selection criteria for breeding in ruminants	4	40	NSQ Level 1
5	AHP/LSF/005/L1	Demonstrate understanding of heat detection in ruminants	3	30	NSQ Level 1
6	AHP/LSF/006/L1	Demonstrate the Principles of artificial insemination in cattle, sheep and goats	5	50	NSQ Level 1
7	AHP/LSF/007/L1	Demonstrate the techniques of meat and milk handling	4	40	NSQ Level 1
8	AHP/LSF/008/L1	Demonstrate understanding of basic meat and milk testing procedures	6	60	NSQ Level 1
9	AHP/LSF/009/L1	Demonstrate knowledge of feed production and	6	60	NSQ Level 1

		utilization			
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Optional Units

S/No /Unit No	Reference Number	NOS Title	Credit Value	Guided Learning Hours	Remark
1	AHP/LSF/001/L1	Demonstrate knowledge of herd structure in cattle, sheep and goats	2	20	NSQ Level 1
2	AHP/LSF/002/L1	Demonstrate understanding of Feed formulation in ruminants	5	50	NSQ Level 1

NOTE: This is a 47 credit qualification. To achieve this qualification; Learners are required to achieve 40 credits from the mandatory units and at least 2 credits from optional units. Each Credit is equivalent to approx. 10 Guided Learning Hours (GLH). The Total Learning Hours will therefore consist of the GLH *plus* the independent learning hours of the candidate, which is generally 50% – 150% of the GLH. ***The actual Total Learning Hours for each Credit will then be a minimum of 47 hours.***

Qualification Purpose: The qualification is designed to produce skilled and knowledgeable personnel capable of producing milk, meat and operating the activity as a business enterprise along the value chain.

GUIDE

Unit title	Provides a clear explanation of the content of the unit.
Unit number	The unique number assigned to the unit
Unit reference	The unique reference number given to each unit at qualification approval by NBTE

Unit level	Denotes the level of the unit within the National Skills Qualification framework NSQF.
Unit credit value	The value that has been given to the unit based on the expected learning time for an average learner. 1 credit = 10 learning hours
Unit aim	Provides a brief outline of the unit content.
Learning outcome	A statement of what a learner will know, understand or be able to do, as a result of a process of learning.
Assessment criteria	A description of the requirements a learner must achieve to demonstrate that a learning outcome has been met.
Unit assessment guidance	Any additional guidance provided to support the assessment of the unit.
Unit guided learning hours	The average number of hours of supervised or directed study time or assessment required to achieve a qualification or unit of a qualification.

National Vocational Qualification
LEVEL 1 ANIMAL HUSBANDRY SECTOR

Unit 1: Demonstrate knowledge of cattle, sheep and goat production

Unit Reference Number: AHP/LSF/001/L1

NSQ Level: 1

Credit Value: 2

Guided Learning Hours: 20

Unit Purpose: This unit standard specifies the competencies required to demonstrate the understanding of the concept, history and development of cattle, sheep and goat production. It includes history and development of cattle, sheep and goat farming, career opportunities and working conditions. This unit standard is intended for those who are interested in operating small scale animal farms and carrying out associated production processes.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. ***Simulation is not allowed*** in this unit and level.

Assessment methods to be used include:

13. Direct Observation/oral questions (DO)
14. Question and Answer (QA)
15. Witness Testimony (WT)
16. Work Product (WP)
17. Recognition of Prior Learning (RPL)
18. Other methods (O t), assignments.

UNIT 01

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
LO 1: Understand the history and development of cattle, sheep and goat production	1.1	Describe the various terminologies used in animal husbandry.								
	1.2	State the history and development of cattle, sheep and goat production.								
	1.3	Explain the socio-economic importance of cattle, sheep and goat production.								
	1.4	Explain factors that affect animal husbandry								
	1.5	Identify relevant laws and regulations applicable to cattle, sheep and goat production								
	1.6	Explain the geographical importance of cattle, sheep and goat production								
	1.7	Identify the various breeds of cattle, sheep and goats								
	1.8	Use a map of Nigeria to identify major cattle, sheep and goats producing areas.								
	1.9	Using the same map, locate cattle, sheep and goat breeds found in those areas.								
LO 2: Understand the employment characteristics in cattle, sheep and	2.1	Outline the various career opportunities in cattle, sheep and goat production								
	2.2	Explain the value chain of cattle, sheep and goat production								

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type					Evidence Ref. Page No.			
The learner will:		The learner can:									
goat production	2.3	List the key role players in cattle, sheep and goat production									
	2.4	Describe the main forms of marketing used in cattle, sheep and goat production									
Learners Signature:							Date:				
Assessors Signature:							Date:				
IQA Signature (if sampled)							Date:				
EQA Signature (if sampled)							Date:				

LIST OF ITEMS FOR LEARNING

Chart

Visual aids

Cattle: Bunaji, Sokoto Gudali, Red Bororo, N'Dama, Muturu etc

Goats: Red Sokoto, Kano Brown, Sahel, West African Dwarf (WAD),

Sheep: Yankasa, Uda, Balami, WAD.

Additional information about the unit	
Unit aim(s)	The aim of this unit is to assess the learner's knowledge and techniques in cattle, sheep and goat production targeting small scale animal farms operation.
Unit expiry date	Dec. 2020

Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (livestock farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	47

Unit 2: Demonstrate understanding of the principles of calf, lamb and kid rearing

Unit Reference Number: AHP/LSF/002/L1

NVQ Level: 1

Credit Value: 5

Guided Learning Hours: 50

Unit Purpose: This unit specifies the competencies required to understand the principles of rearing calves, lambs and kids.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. ***Simulation is not allowed*** in this unit and level.

Assessment methods to be used include:

13. Direct Observation/oral questions (DO)
14. Question and Answer (QA)
15. Witness Testimony (WT)
16. Work Product (WP)
17. Recognition of Prior Learning (RPL)
18. Other methods (O t), assignments.

UNIT 02

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
		The learner will:	The learner can:							
LO 1: Understand the principles of calf, lamb and kid housing	1.1	State the types of housing required for calves, lambs and kids								
	1.2	Identify the materials needed for the construction of each house								
	1.3	Identify and use the rearing equipment needed within each house								
LO 2: Understand the methods of feeding calves, lambs and kids	2.1	State the nutrient requirements of calves, lambs and kids								
	2.2	Explain the process of feeding calves, lambs and kids								
	2.3	Explain the importance of colostrum in calf, lamb and kid feeding								
LO3: Understand the principles of calf, lamb and kid health management	3.1	Identify the basic health challenges of calves, lambs and kids								
	3.2	Explain the steps to take to make calves, lambs and kids healthy								
Learners Signature:			Date:							
Assessors Signature:			Date:							
IQA Signature (if sampled)			Date:							
EQA Signature (if sampled)			Date:							

LIST OF TOOLS, EQUIPMENT AND ITEMS FOR LEARNING

Cribs

Drinkers

Bedding materials

Thermometer

Light source

Additional information about the unit	
Unit aim(s)	The aim of this unit is to assess the learner's ability to take care of calves, lambs and kids from day old to weaning.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Practice (livestock farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE
Endorsement of the unit by a sector or other appropriate body (if required)	Nigerian Institute of Animal Science (NIAS)
Location of the unit within the subject/sector classification system	Animal Husbandry Practice (livestock farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	0

National Vocational Qualification
LEVEL 2 ANIMAL HUSBANDRY SECTOR

Unit 3: Demonstrate knowledge of the tools, equipment and materials in animal husbandry

Unit Reference Number: AHP/LSF/003/L2

NVQ Level: 2

Credit Value: 4

Guided Learning Hours: 40

Unit Purpose: This unit standard specifies the competencies required to understand tools, equipment and consumables in animal husbandry. The unit refers to competency in understanding the different tools, equipment and consumables used in animal husbandry. It includes drinker, feeders, drenching gun, dehorner, ear tag applicator, ear tags, burdizzor castrator, hoof trimmer, knapsack sprayer, shove/spade, thermometer, etc in animal husbandry. This unit standard is intended for those interested in operating small scale animal farms and carrying out associated processes.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. **Simulation is/or is not allowed** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Other methods (O t), assignments, case study, essay, project, etc.

UNIT 03

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
LO 1: Identify equipment, tools and consumables used in animal husbandry in Nigeria	1.1	List the various tools, equipment and materials in animal husbandry								
	1.2	Explain the uses and functions of tools, equipment and materials in animal husbandry								
	1.3	Explain the maintenance practices of different equipment and tools in animal husbandry.								
	1.4	Describe the safety precautions in the use of equipment and tools								
	1.5	List some of the consumables in animal husbandry								
	1.6	Demonstrate the use of tools, equipment and materials in animal husbandry								
	1.7	Demonstrate the maintainance and storage of tools, equipment and materials in accordance with manufacturer's specifications.								

LEARNING OBJECTIVE (LO)	PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:	The learner can:		
Learners Signature:		Date:	
Assessors Signature:		Date:	
IQA Signature (if sampled)		Date:	
EQA Signature (if sampled)		Date:	

LIST OF TOOLS, EQUIPMENT AND ITEMS FOR LEARNING

Range

Equipment and tools includes but not limited to: Drinkers, feeders, thermometer, rake, head pan, wheel barrow, torch light, weighing scale / measuring tape and rain boot.

Materials include but not limited to: Torch light, thermometer, stethoscope, rain boot, and protective clothing, apron, and face mask, goggle.

Additional information about the unit	
Unit aim(s)	The aim of this unit is to assess the learner's technical ability on the safe use of tools and equipments in livestock farming.
Unit expiry date	Dec. 2022
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Sector (Livestock Farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	NBTE

Endorsement of the unit by a sector or other appropriate body (if required)	NIAS
Location of the unit within the subject/sector classification system	Animal Husbandry Sector (Livestock Farming)
Name of the organisation submitting the unit	NIAS, MAFITA
Guided Learning Hours	30

National Vocational Qualification
LEVEL 2 ANIMAL HUSBANDRY SECTOR

Unit 4: Demonstrate understanding of nutrition in animal husbandry

Unit Reference Number: ~~Unit Reference Number: AHP/LSF/004/L2~~

NVQ Level: 2

Credit Value: 6

Guided Learning Hours: 60

Unit Purpose: This unit standard specifies the competencies required to understand the concept of livestock nutrition in Nigeria. The unit refers to competency in understanding the basic ingredients used in formulating livestock feeds and the different types of feeds used in livestock feeding in Nigeria. It includes concentrates and roughages for sheep and goats at different stages of production. This unit standard is intended for those interested in operating small scale animal farms.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. ***Simulation is not allowed*** in this unit and level.

Assessment methods to be used include:

13. Direct Observation/oral questions (DO)
14. Question and Answer (QA)
15. Witness Testimony (WT)
16. Personal statement (PS) or Reflective Practice (RP)
17. Work Product (WP)

18. Recognition of Prior Learning (RPL)

19. Other methods (O t), assignments, case study, essay, project, etc.

UNIT 04

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.				
The learner will:		The learner can:									
LO 1: Understand livestock nutrition in Nigeria	1.1	Explain the nutritional contents of concentrates and roughages in Nigeria.									
	1.2	List the different grasses and legumes (pasture) used in feeding livestock in Nigeria.									
	1.3	State the nutritional composition of grasses and legumes used in feeding livestock in Nigeria.									
	1.4	Identify the different varieties of feed ingredients used in formulating livestock feeds									
	1.5	. Identify the concentrates and roughages used in feeding livestock .									
	1.6	Establish and maintain grass, legumes and mixed pasture during raining and dry seasons in Nigeria.									
	1.7	Develop pasture album of grasses and legumes in Nigeria									
Understand the techniques in	2.1	Describe the process of formulating feeds for the fattening of livestock									

LEARNING OBJECTIVE (LO) The learner will:	PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
formulating livestock feeds using locally available ingredients	(sheep and goats) in Nigeria								
	2.2 Explain the Pearson square method of formulating livestock (sheep and goats) feeds								
	2.3 List the tools and equipment required to produce livestock (sheep and goats) feeds								
	2.4 Describe the equipment used in mixing livestock (sheep and goats) feeds								
	2.5 Formulate concentrate feeds for fattening livestock (sheep and goats) using locally available ingredients								
	2.6 Apply the safety precautions in compounding livestock feeds								
	2.7 Use the Pearson square method to formulate livestock feeds								
	2.8 Demonstrate the techniques in mixing livestock feeds								
	2.9 identify place where livestock feeds								

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.				
The learner will:		The learner can:									
		are compounded									
LO 3: Understand the different methods of processing and storage livestock feeds in Nigeria	3.1	State the benefits in processing livestock feeds in Nigeria									
	3.2	Describe equipment used in livestock feed processing									
	3.3	Explain methods of storage of feed raw materials and finished feeds products									
	3.4	Demonstrate how to carry out hay making									
	3.5	Demonstrate the procedure involved in grinding grains for livestock feeding									
	3.6	Demonstrate the procedure involved in maintaining equipment for processing livestock feeds									
	3.7	Demonstrate how moisture is added in livestock feeds									
	3.8	Follow health and safety precautions in formulating livestock feeds									
	3.9	Identify feed raw materials and									

LEARNING OBJECTIVE (LO)	PERFORMANCE CRITERIA	Evidence Type	Evidence Ref. Page No.
The learner will:	The learner can:		
	finished products		
Learners Signature:	Date:		
Assessors Signature:	Date:		
IQA Signature (if sampled)	Date:		
EQA Signature (if sampled)	Date:		

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

Lo1 Range:

Varieties of feed ingredients include but not limited to: maize, sorghum, millet, soybean, groundnut cake, wheat offals, salt lick, *Different grasses* include but not limited to: *Digitaria, Bracharia, lab lab, cowpea hay, groundnut hay, pennisetum species.*

Lo2Range:

Various sheep and goat feeds include but not limited to: grasses, legumes, concentrates roughages.

Lo3Range:

Different methods of processing livestock feeds include but not limited to: moisture addition (dust control), moisture removal (hay making), grinding (particle size reduction and exposure of the starch) and flaking.

Additional information about the unit	
Unit aim(s)	The aim of this unit is to assess the learner's knowledge on the various feed materials, feed formulation and processing for utilisation by Cattles, sheep and goats.

Unit expiry date	Dec. 2022
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry Sector (Livestock Farming)
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	
Endorsement of the unit by a sector or other appropriate body (if required)	NIAS
Location of the unit within the subject/sector classification system	Animal Husbandry Sector (Livestock Farming)
Name of the organisation submitting the unit	NIAS, Mafita
Guided Learning Hours	60

National Vocational Qualification
LEVEL 2 ANIMAL HUSBANDRY SECTOR

Unit 5: Demonstrate understanding of common diseases and parasites of livestock

Unit Reference Number: **Unit Reference Number: AHP/LSF/005/L2**

Credit Value: 5

Guided Learning Hours: 50

Unit Purpose: This unit standard specifies the competencies required to know the common diseases and parasites of livestock in Nigeria. It includes bacterial diseases, viral diseases, protozoan diseases, fungal diseases etc. This unit standard is intended for those who are interested in operating small scale livestock farms and to carry out associated rearing processes.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. ***Simulation is/or is not allowed*** in this unit and level.

Assessment methods to be used include:

13. Direct Observation/oral questions (DO)
14. Question and Answer (QA)
15. Witness Testimony (WT)
16. Personal statement (PS) or Reflective Practice (RP)
17. Work Product (WP)
18. Recognition of Prior Learning (RPL)
19. Other methods (O t), assignments, case study, essay, project, etc.

UNIT 05

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.				
LO 1: Understand common livestock diseases in Nigeria	1.1	Identify laws and regulations that deal with the treatment of diseases in livestock in Nigeria									
	1.2	Classify livestock diseases									
	1.3	Identify signs of diseases in livestock management									
	1.4	Describe the treatment of any specific livestock diseases you have known									
	1.5	Explain the risk factors in treatment/handling of diseased animals									
	1.6	Explain factors that influence animal resistance to diseases									
	1.7	Demonstrate the treatment of various livestock diseases in Nigeria									
	1.8	Identify the early signs of ill-health in									

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
		animals								
	1.9	Identify diseased animals in the flock								
	1.20	Demonstrate the preventive and control measures for the various types of animal diseases								
	1.21	Apply health and safety precautions in handling infected animals.								
LO 2: Understand common livestock parasites in animal husbandry	2.1	Define the word parasite in animal husbandry.								
	2.2	Explain the risk factors in dealing with animals infested by parasites in Nigeria								
	2.3	Identify various livestock parasites in Nigeria								

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
	2.4	Demonstrate treatment methods of various livestock parasitic diseases in Nigeria								
	2.5	Demonstrate the prevention and control measures for the various types of livestock parasites								
Learners Signature:			Date:							
Assessors Signature:			Date:							
EQA Signature (if sampled)			Date:							

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

LO1: Range:

- *Various disease classes* include but not limited to: bacteria, virus, protozoa, and fungi
- *Various livestock diseases* include but not limited to: foot rot, brucellosis, foot and mouth disease, streptothricosis (*kirchi*), anthrax etc.
- *Various clinical signs of diseases* include but not limited to: off feed, emaciation, diarrhea, unthriftiness, running nose, inflammation, limping, swelling, bloat, lagging behind, unusual appearance of coat color etc.
- *Factors that influence animal resistance to diseases* include but not limited to: specific immunity (passive and active), non-specific (macrophages and leucocytes), poor nutrition etc.

LO2: Range:

- There are two groups of parasites. We have the Endoparasites (e.g worms) and the Ectoparasites (e.g ticks, flees, mange, lice)
- Various livestock parasitic diseases include but not limited to: cowdriosis (heart water), trypanosomiasis/sleeping sickness, dermatophilosis/Kirchi

Additional information about the unit	
Unit aim(s)	The aim of this unit is to assess the learner's understanding and demonstration of competence, and minimum understanding of common livestock diseases and parasites in Nigeria.
Unit expiry date	Dec. 2022
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry (Livestock Farming).
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	
Endorsement of the unit by a sector or other appropriate body (if required)	NIAS
Location of the unit within the subject/sector classification system	Animal Husbandry (Livestock Farming).
Name of the organisation submitting the unit	NIAS,Mafita
Guided Learning Hours	50

**National Vocational Qualification
LEVEL 2 ANIMAL HUSBANDRY SECTOR**

Unit 6: Assist with care and movement of animals in livestock farming

Unit Reference Number: ~~Unit Reference Number:~~ **AHP/LSF/006/L2**

Credit Value: 3

Guided Learning Hours: 30

Unit Purpose: This unit standard specifies the competencies required to understand care and movement of animals in Nigeria. It includes health care, feeding and watering of the animals, the types of feeders and drinkers, safe restraint of the animals and their establishment in a new place. This unit standard is intended for those interested in operating small scale animal farms and to carry out associated husbandry practices.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. ***Simulation is/or is not allowed*** in this unit and level.

Assessment methods to be used include:

20. Direct Observation/oral questions (DO)
21. Question and Answer (QA)
22. Witness Testimony (WT)
23. Personal statement (PS) or Reflective Practice (RP)
24. Work Product (WP)
25. Recognition of Prior Learning (RPL)

26. Other methods (O t), assignments, case study, essay, project, etc.

UNIT 06

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type					Evidence Ref. Page No.			
LO 1: Assist with monitoring and caring for the health and wellbeing of animals	1.1	Describe how to promote the health and wellbeing of animals and minimise any stress and injury									
	1.2	State the responsibility of herders under the health and safety and animal welfare legislation									
	1.3	State why animals need exercise and how the type and amount of this varies between different species, breeds and individual animals									
	1.4	State how animals optimise their own physical functioning and appearance									
	1.5	Describe the signs of health in different animal species in relations to their natural behaviour									
	1.6	State the signs which indicate the potential problems with an animal's health and wellbeing and state appropriate actions to be taken									
	1.7	Give examples of preventive care which is designed to maintain the health and wellbeing of animals									
	1.8	State how the environment may be adjusted to maintain animal health									
	1.9	State how to recognise an animal health emergency and the possible actions									

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
	1.10	State the importance of reporting unusual signs in animals								
	1.11	Treat animals according to relevant legislation								
	1.12	Minimise any likelihood of stress and injury to the animals								
	1.13	Optimise the health and wellbeing of animals during their work								
	1.14	Provide animals with the necessary opportunity to display natural behaviour								
	1.15	Monitor and report physical condition, behaviour and the general health and wellbeing of animals clearly and accurately to others								
	1.16	Monitor and report on the animal's environment								
	1.17	Maintain health, safety and the welfare of animals during work								
LO 2:	2.1	State the appropriate methods								

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.				
Understand assistance in feeding and watering animals/ Assist with providing food and water for animals		and systems of feeding two types of animals (sheep and goats)									
	2.2	Describe the normal feeding habits of the animals									
	2.3	State the hygiene requirements for feeding and watering of animals									
	2.4	State the responsibility for safe and effective animal handling under the relevant legislations and codes of practices									
	2.5	State why wastes should be disposed off in a safe manner and place									
	2.6	Feed animals in accordance with instructions									
	2.7	Supply water to the animals from the correct sources, in the correct quantities and using the system in accordance with instructions									
	2.8	Monitor and report on the animal's feeding and drinking habits									
	2.9	Clean and maintain equipment ready for use and store it safely and securely in an appropriate place									
	2.10	Dispose of wastes from feeding in the correct manner and place									
	2.11	Maintain health, safety and the									

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
		welfare of the animals during work								
LO :3 Assist with the movement of animals	3.1	State the correct approach in handling and restraining animals								
	3.2	Describe the process of moving and establishing animals in a new area								
	3.3	State how to maintain health and safety while moving animals								
	3.4	State which problems should be reported, when and to whom								
	3.5	Outline how to identify and respond to concerns about animal health and behaviour								
	3.6	Describe the maintenance of animal wellbeing								
	3.7	State provisions to be provided in transporting animals to a new area								
	3.8	Outline the procedure for preparing animals for loading and unloading								
	3.9	Describe the procedures for preparing the transport vehicle for moving animals								

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
	3.10	State the correct procedure for loading and unloading animals								
	3.11	List the relevant legislation which applies to loading and unloading animals								
	3.12	Approach animals quietly, calmly and confidently								
	3.13	Handle and restrain animals								
	3.14	Move animals to the correct place and re-establish them as instructed								
	3.15	Maintain health and safety among themselves and others at all times								
	3.16	Maintain the wellbeing of animals at all times								
	3.17	Report any problems to the appropriate person								
Learners Signature:			Date:							
Assessors Signature:			Date:							
EQA Signature (if sampled)			Date:							

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

LO1: Range:

- **Range:**

- *Natural behaviour* may include but are not limited to: appearance, posture and movement (*gait*), behaviour, bodily functions, social interaction.

LO2: Range:

Different animals feeds include but not limited to: Concentrates and roughages

Different feeders and drinkers include but not limited to: bucket feeder, half a drum, and quarter of a drum

LO 3: Range:

Preparation of transport vehicle includes but are not limited to cleaning, health and safety, security and removal of hazards

Additional information about the unit	
Unit aim(s)	The aim of this unit is to assess the learner's understanding and demonstration of competence, and understanding of health care and movement of animals to adopt new place.
Unit expiry date	Dec. 2022
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry (Livestock Farming).
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	
Endorsement of the unit by a sector or other appropriate body (if required)	NIAS
Location of the unit within the subject/sector classification system	Animal Husbandry (Livestock Farming).
Name of the organisation submitting the unit	NIAS, Mafita

Guided Learning Hours	30
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National Vocational Qualification
LEVEL 2 ANIMAL HUSBANDRY SECTOR

Unit 7: Demonstrate understanding of preparing, maintaining and monitoring livestock accommodation

Unit Reference Number: ~~Unit Reference Number:~~ **AHP/LSF/007/L2**

Credit Value: 6

Guided Learning Hours: 60

Unit Purpose: This unit standard specifies the competencies required to understand principles of preparing, maintaining and monitoring of livestock accommodation in Nigeria. It includes preparing, maintaining, and monitoring livestock accommodation. This unit standard is intended for those interested in operating small scale animal farms and to carry out associated husbandry practices.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. ***Simulation is/ or is not allowed*** in this unit and level.

Assessment methods to be used include:

27. Direct Observation/oral questions (DO)
28. Question and Answer (QA)
29. Witness Testimony (WT)
30. Personal statement (PS) or Reflective Practice (RP)
31. Work Product (WP)
32. Recognition of Prior Learning (RPL)
33. Other methods (O t), assignments, case study, essay, project, etc.

UNIT 06

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.				
LO 1: Understand preparations of livestock accommodation	1.1	Describe the different livestock welfare									
	1.2	State the different materials used for livestock accommodation									
	1.3	Explain the hazards involved in livestock accommodation									
	1.4	Demonstrate biosecurity measures in livestock accommodation									
	1.5	Demonstrate maintenance of livestock accommodation									
LO 2: Understand maintenance practices in livestock Housing	2.1	Carry out sanitation practices in livestock houses									
	2.2	Carry out maintenance of livestock building structures									
	2.3	Provide bedding materials in livestock houses									
	2.4	Carry out floor/roofing maintenance of									

LEARNING OBJECTIVE (LO)		PERFORMANCE CRITERIA	Evidence Type				Evidence Ref. Page No.			
The learner will:		The learner can:								
		livestock houses								
LO :3	3.1	State stages in preparing outdoor sites								
Understand outdoors monitoring of livestock	3.2	Explain how to manage outdoor sites								
	3.3	State types of outdoor monitoring of livestock								
Learners Signature:			Date:							
Assessors Signature:			Date:							
EQA Signature (if sampled)			Date:							

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

LO1: Range:

- *Different animals' welfare* includes but not limited to: proper handling of animals, provision of proper accommodation, cleanliness, etc.
- *Biosecurity* include but not limited to: fencing, use of rodenticide, **fumigants**, use of antiseptics, disinfectants, and use of PPE etc.

LO2: Range:

Bedding materials include but not limited to: dried grasses, millet or sorghum stovers, groundnut shells, rice husk etc.

Additional information about the unit	
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Unit aim(s)	1. The aim of this unit is to assess the learner's understanding and demonstration competence, on understanding of the livestock Housing for two types of small ruminants at different stages of production.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry (Livestock Farming).
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	
Endorsement of the unit by a sector or other appropriate body (if required)	NIAS
Location of the unit within the subject/sector classification system	Animal Husbandry (Livestock Farming).
Name of the organisation submitting the unit	NIAS, Mafita
Guided Learning Hours	30

National Vocational Qualification
LEVEL 2 ANIMAL HUSBANDRY SECTOR

Unit 8: Demonstrate knowledge of animal biology in livestock farming

Unit Reference Number: Unit Reference Number: AHP/LSF/008/L2

Credit Value: 4

Guided Learning Hours: 40

Unit Purpose: This unit standard specifies the competencies required to understand the concept of livestock biology. The unit refers to competency in livestock digestive systems and their functions, anatomy and physiology of animal cell rather than the theoretical knowledge. This unit standard is intended for those interested in operating small scale livestock farms as their career opportunity.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. *Simulation is/or is not allowed* in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)

2. Question and Answer (QA)
3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Other methods (O t), assignments, case study, essay, project, etc.

UNIT 08

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.			
LO 1: Understand body parts and organs in animal husbandry	1.1	Describe body systems of small ruminant animals								
	1.2	Differentiate the various parts and organs of body systems in ruminants								
	1.3	Explain the functions of parts and organs of ruminant animals								
	1.4	Dissect and identify various parts and organs of body systems of ruminants								
LO 2: Understand the structure and functions of animal cells	2.1	Identify the components of an animal cell								
	2.2	Describe the functions of the main organelles								
	2.3	Identify a specified organism using an identification key								
	2.4	View animal cell under light microscope								

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.				
LO :3 Understand the requirements for nutrition and growth of animals in livestock farming	3.1	Identify the requirements for nutrition for growth in animals									
	3.2	Describe the sources of nutrition for animals									
LO :4 Understand the processes of reproduction and heredity in animals	4.1	Describe the life cycle of animals									
	4.2	State how characteristics are inherited									
Learners Signature:			Date:								
Assessors Signature:			Date:								
EQA Signature (if sampled)			Date:								

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

LO1: Range:

Livestock parts and organs include but not limited to: digestive system, circulatory system, skeletal system, respiratory system, nervous system, reproductive system

LO2: Range:

Various components of a cell include but not limited to: plasma/cell membrane, cytoplasm, nucleus, mitochondria, ribosomes, lysosomes, endoplasmic reticulum

Additional information about the unit	
Unit aim(s)	2. The aim of this unit is to assess the learner's understanding and demonstration competence, on understanding of the different functions of parts and organs of two types of small ruminants
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry (Livestock Farming).
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	
Endorsement of the unit by a sector or other appropriate body (if required)	NIAS
Location of the unit within the subject/sector classification system	Animal Husbandry (Livestock Farming).
Name of the organisation submitting the unit	NIAS, Mafita
Guided Learning Hours	40

National Vocational Qualification
LEVEL 2 ANIMAL HUSBANDRY SECTOR

Unit 9: Adopt biosecurity practices in livestock farming

Unit Reference Number: **Unit Reference Number: AHP/LSF/009/L2**

Credit Value: 2

Guided Learning Hours: 20

Unit Purpose: This unit standard specifies the competencies required to understand the importance of adopting biosecurity practices in livestock farms in Nigeria. It includes restrictions in rude entry into livestock farms, fencing to provide security, use of antiseptics and disinfectants, use of anti rodents and so on. This unit standard is intended for those interested in operating small scale animal farms and to carry out associated husbandry practices.

Unit assessment requirements/evidence requirements:

Assessment must be carried out in real workplace environment in which learning and human development is carried out. ***Simulation is/or is not allowed*** in this unit and level.

Assessment methods to be used include:

1. Direct Observation/oral questions (DO)
2. Question and Answer (QA)

3. Witness Testimony (WT)
4. Personal statement (PS) or Reflective Practice (RP)
5. Work Product (WP)
6. Recognition of Prior Learning (RPL)
7. Other methods (O t), assignments, case study, essay, project, etc.

UNIT 09

LEARNING OBJECTIVE (LO) The learner will:		PERFORMANCE CRITERIA The learner can:	Evidence Type				Evidence Ref. Page No.				
LO 1: Understand biosecurity practices in livestock farms	1.1	Describe requirements for biosecurity in livestock farms									
	1.2	State the importance of fencing in livestock farms									
	1.3	State the importance of restricting people for rampant entry into livestock farms									
	1.4	State why wild birds, rodents and ants have to be controlled in farms									
	1.5	Demonstrate how to use antiseptic, disinfectants, anti-rodents and traps in livestock farms									
Learners Signature:						Date:					
Assessors Signature:						Date:					
EQA Signature (if sampled)						Date:					

LIST OF ITEMS AND EQUIPMENT FOR LEARNING

LO1: Range:

requirements for biosecurity include but not limited to: Cleaning of foot wears, cleaning of houses/rooms, proper disposal of wastes/carcasses, use of chemicals etc

Additional information about the unit	
Unit aim(s)	3. The aim of this unit is to assess the learner's understanding and demonstration competence, on understanding of biosecurity in livestock farms and application of biosecurity practices in two types of small ruminants' farms.
Unit expiry date	Dec. 2020
Details of the relationship between the unit and relevant national occupational standards (if appropriate)	Animal Husbandry (Livestock Farming).
Details of the relationship between the unit and other standards or curricula (if appropriate)	
Assessment requirements specified by a sector or regulatory body (if appropriate)	
Endorsement of the unit by a sector or other appropriate body (if required)	NIAS
Location of the unit within the subject/sector classification system	Animal Husbandry (Livestock Farming).
Name of the organisation submitting the unit	NIAS, Mafita
Guided Learning Hours	20