



Republic of the Philippines
DEPARTMENT OF EDUCATION



K to 12 BASIC EDUCATION CURRICULUM

TECHNOLOGY AND LIVELIHOOD EDUCATION

CURRICULUM GUIDE

Exploratory Course on
ANIMAL PRODUCTION

K to 12 TECHNOLOGY AND LIVELIHOOD EDUCATION

AGRICULTURE/FISHERY - ANIMAL PRODUCTION (Exploratory)

Curriculum Guide for the Exploratory Course on Animal Production

For you to get a complete picture of the complete TLE exploratory course on Animal Production, you are hereby provided with the Curriculum Guide on Animal Production.

Content Standard	Performance Standard	Learning Competencies	Project/ Activities	Assessment	Duration
LESSON 1: USE FARM TOOLS AND EQUIPMENT					
<i>Demonstrate understanding of/on:</i> <ul style="list-style-type: none"> Farm tools <ul style="list-style-type: none"> ➤ Power tools ➤ Handheld tools Safety practices while using farm tools 	<ol style="list-style-type: none"> Appropriate farm tools are identified according to requirements/use. Farm tools are checked for faults and defective tools are reported in accordance with farm procedures. Appropriate tools are safely used according to job requirements and manufacturers' conditions. 	LO1. Select and use farm tools.	Pictorial report on: <ol style="list-style-type: none"> Identifying farm power tools and handheld tools and their uses. Observing farm and taking pictures regarding safety practices in using poultry and livestock tools. Checking of tools for possible defects and faults, including the reporting procedures. 	<ul style="list-style-type: none"> Written test Performance Test 	4 hours
<ul style="list-style-type: none"> Manual of farm equipment and specifications Parts and functions of farm equipment Facilities in poultry and livestock farm Pre-operation and check-up Safety practices in using 	<ol style="list-style-type: none"> Appropriate farm equipment and facilities are identified Instructional manual of farm equipment are carefully read prior to operation. Pre-operation check-up is conducted in line with manufacturers' manual. Faults in farm equipment and facilities are identified and reported in line with farm 	LO2. Select and operate farm equipment.	Pictorial report on: <ol style="list-style-type: none"> Identifying farm equipment run by electricity and motorized equipment; including the how to operate properly with safety measures. Conducting pre-operation check-up Identifying faults in farm equipment and facilities. 	<ul style="list-style-type: none"> Written test Performance Test 	4 hours

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farm equipment	procedures. 5. Farm equipment are used according to its function. 6. Safety procedures are followed.				
<i>Demonstrate understanding of/on:</i> <ul style="list-style-type: none"> Preventive maintenance Safety measures and practices in cleaning and storing for different farm tools, equipment and facilities. Upkeep of equipment 	1. Tools and equipment are cleaned immediately after use in line with farm procedures. 2. Routine check-up and maintenance are performed. 3. Tools and equipment are stored in designated areas in line with farm procedures.	LO3. Perform preventive maintenance.	Make a feeding and drinking trough.	<ul style="list-style-type: none"> Written Examination Performance Test 	4 hours
LESSON 2: PERFORM ESTIMATION AND BASIC CALCULATION					
<ul style="list-style-type: none"> Problem solving procedures Basic mathematical operations 	1. Job requirements are identified . 2. Quantities of materials and resources required to complete a work task are estimated. 3. Time needed to complete a work activity is estimated. 4. Accurate estimate for work completion are made. 5. Estimate of materials and resources are reported to appropriate person/s.	LO1. Perform estimation.	Assignment on advantages and disadvantages of different feeding system of hogs.	<ul style="list-style-type: none"> Written Examination Performance Test 	4 hours

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<ul style="list-style-type: none"> Basic mathematical operations Systems of measurement Units of measurement <p><i>Demonstrate understanding of/on:</i></p> <ul style="list-style-type: none"> Conversion of units Fractions and decimals Percentages and ratios Basic record keeping 	<ol style="list-style-type: none"> Calculations to be made are identified according to job requirements. Correct method of calculation is determined. Systems and units of measurement to be followed are ascertained. Calculations needed to complete work task are performed using the four basic mathematical operations. Appropriate operations are used to comply with the instructions. Results obtained are reviewed and thoroughly checked. 	LO2. Perform basic workplace calculations.	Project proposal on broiler production	<ul style="list-style-type: none"> Written Examination Performance Test 	4 hours
LESSON 3: INTERPRET PLANS AND DRAWINGS					
<ul style="list-style-type: none"> Identifying types of housing for poultry and livestock production. Different components of housing of poultry and livestock production Illustrating the different types of housing for poultry and livestock. 	<ol style="list-style-type: none"> Types of housing and their components used in poultry and livestock are identified Designs of different housing used in poultry and livestock are drawn. 	LO1. Draw lay-out plan of different types of housing.	Drawing typical house of poultry and livestock (pig).	<ul style="list-style-type: none"> Written Examination Performance Test 	4 hours

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<i>Demonstrate understanding of/on:</i> <ul style="list-style-type: none"> Basic building codes in constructing poultry and livestock houses. Signs and symbols on building codes 	<ol style="list-style-type: none"> Building codes in constructing poultry and livestock houses are discussed. Signs and symbols of building codes are interpreted 	LO2. Enumerate the Building Codes in Constructing Poultry and Livestock Houses.	Application of model codes of practice for the welfare of poultry and livestock housing	<ul style="list-style-type: none"> Written Examination Performance Test 	4 hours
LESSON: APPLY SAFETY MEASURES IN FARM OPERATIONS					
<ul style="list-style-type: none"> Using chemicals in farm works. Personal protective equipment (PPE) used in farms Basic first aid Farm emergency procedures regarding safety working environment 	<ol style="list-style-type: none"> Safety measures are applied based on work requirement and farm procedures. Tools and materials are utilized in accordance with specification and procedures. Outfit is worn in accordance with farm requirements. Shelf life and or expiration of materials are effectively checked against manufacturer's specifications. Hazard in the workplace are identified and reported in line with farm guidelines. 	LO1. Apply appropriate safety measures.	Report on Hazards in the Farm.	<ul style="list-style-type: none"> Written Examination Performance Test 	6 hours

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<ul style="list-style-type: none"> Procedure in cleaning outfits Technique in storing materials and chemicals <p><i>Demonstrate understanding on:</i></p> <ul style="list-style-type: none"> Government requirement regarding farm waste disposal Waste management system 	<ol style="list-style-type: none"> Used tools and outfit are cleaned stored in line with farm procedures. Unused materials are labeled and stored according to manufacturers recommendation and farm requirements. Waste materials are disposed according to manufacturers, government and farm requirements. 	LO2. Safely keep/ dispose materials and outfit.	<p>Demonstration on:</p> <ol style="list-style-type: none"> Performing proper cleaning, storing and labeling and record keeping of tools, materials and chemicals. Identifying waste materials in your farm and perform proper disposal according to manufacturer's procedures and government requirement. 	<ul style="list-style-type: none"> Written Examination Performance Test 	6 hours
					40 hours