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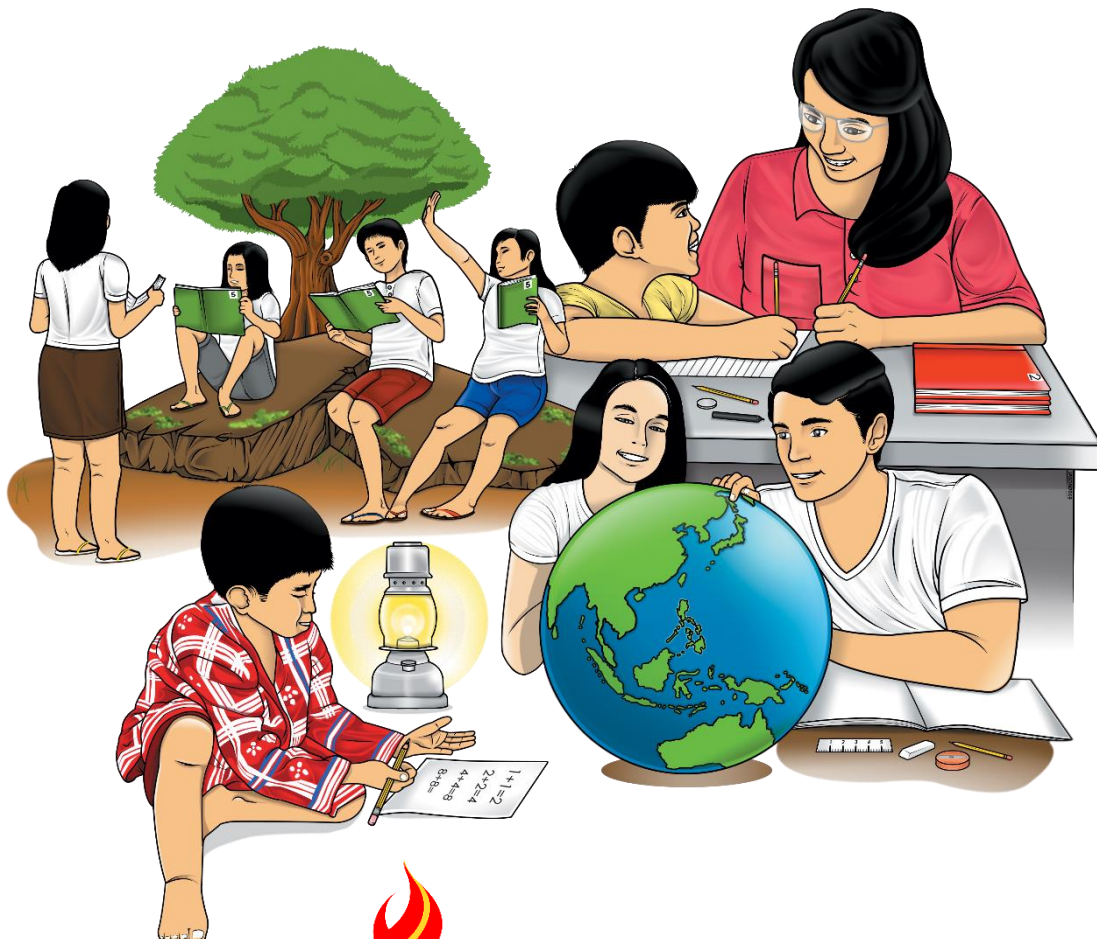# Technology and Livelihood Education
Agri-Fishery Arts
Module 12: Implements Plan on Animal Raising

ALTERNATIVE DELIVERY MODE

ADM

TLE – Agri-Fishery Arts – Grade 6
Alternative Delivery Mode
Module 12: Implements Plan on Animal Raising
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Technology and Livelihood Education

Agri-Fishery Arts

Module 12: Implements Plan on Animal Raising

DepED

DEPARTMENT OF EDUCATION

Introductory Message

This Self-Learning Module (SLM) is prepared so that you, our dear learners, can continue your studies and learn while at home. Activities, questions, directions, exercises, and discussions are carefully stated for you to understand each lesson.

Each SLM is composed of different parts. Each part shall guide you step-by-step as you discover and understand the lesson prepared for you.

Pre-tests are provided to measure your prior knowledge on lessons in each SLM. This will tell you if you need to proceed on completing this module or if you need to ask your facilitator or your teacher's assistance for better understanding of the lesson. At the end of each module, you need to answer the post-test to self-check your learning. Answer keys are provided for each activity and test. We trust that you will be honest in using these.

In addition to the material in the main text, Notes to the Teacher are also provided to our facilitators and parents for strategies and reminders on how they can best help you on your home-based learning.

Please use this module with care. Do not put unnecessary marks on any part of this SLM. Use a separate sheet of paper in answering the exercises and tests. And read the instructions carefully before performing each task.

If you have any questions in using this SLM or any difficulty in answering the tasks in this module, do not hesitate to consult your teacher or facilitator.

Thank you.

What I Need to Know

Venturing into animal raising can be a challenge. There are a lot of factors to keep in mind which can make or break the future of the farm and its animals, and a farmer needs all help he can get. Monitoring and keeping an updated record of the growth and progress of animal raising is very important. It can help you check whether you are doing a good job in implementing your plan on animal raising. Moreover, with the use of the internet, one's knowledge on animal raising may be expanded or may be enhanced.

This module will guide you in implementing plan on animal raising.

After going through this module, you are expected to:

1. Implement plan on animal raising.
    a. Monitor growth and progress of animal raising.
    b. Keep an updated record of growth and progress of animal raising.
    c. Expand/enhance your knowledge on animal raising using the internet.

What I Know

Let us determine how much you already know about implementing plan on animal raising. Take this test.

I. Directions: Read each statement below and determine where it belongs in the choices found inside the box. Write the letter only in a separate sheet of paper.

> a. monitors growth and progress
> b. keeps an updated record of growth and progress
> c. expands/enhances one's knowledge of animal raising using

1. Regularly check the growth and progress of the animal.
2. Watching instructional videos online about raising animals.
3. Listing of the weight gain of the animal weekly/monthly.
4. Checking time of feeding and amount of feeds for each animal. bathing, cleaning of housing and surrounding from time to time.
5. Visiting online websites for current trends in animal raising.
6. Inspect the cleanliness of the pens of animals from time to time.
7. If problems occur regarding the health and progress of animals, search online.

II. Directions: Study the chart of the Pig in Tinog's Piggery below and answer the questions that follows. Write your answer on a separate sheet of paper.

Chart of the Pig's Growth and Progress in Tinog's Piggery

Age		Date of Weighing	Weight (kg)	Weight gain
Week	**Day**			
0	1	March 3, 2019	1.2	0
1	7	March 8, 2019	2.7	1.5
2	14	March 15, 2019	4.1	1.4
3	21	March 22, 2019	6.7	2.6
4	28	March 29, 2019	9.2	2.5
5	36	April 5, 2019	11.3	2.1
6	42	April 12, 2019	13.5	2.2
7	49	April 19, 2019	15.7	2.2
8	56	April 26, 2019	17.2	1.5
9	63	May 2, 2019	20.7	3.6
10	70	May 9, 2019	24.3	3.6
11	77	May 16, 2019	27.4	3.1
12	84	May 23, 2019	30.3	2.9
13	91	May 30, 2019	38.6	8.3
14	98	June 6, 2019	45.4	6.8
15	105	June 13, 2019	50.6	5.2
Disposing/Harvesting Period				

8. How many weeks does it take before the disposing/harvesting period?

9. In what date of weighing period has the lowest weight gain of the pig?

10. What is the disposing/harvesting weight of the pig of Mr. Tinog?

Module 12

Agriculture: Implements Plan on Animal Raising

Many Filipino families choose to raise animals as a source of income. To the right people, it can prove financially rewarding if done the right way. The animal raising industries can lead to different entrepreneurial endeavors ranging from the sale of live animals to the production of by-products including meat.

A person's decision to go into the animal raising business can be affected by a wide variety of factors including but not limited to the following: personal interest; family background; educational background; environment; and available resources.

[1] Punya, Free Royalty, Cropped, https://commons.wikimedia.org/wiki/File:Cow_Farming_in_Arghakhachi,_Nepal_02.JPG
[2] Pixabay, Free Royalty, https://www.pexels.com/photo/domestic-goat-farm-goats-kid-326972/
[3] Kuszapo, Free Royalty, https://pixabay.com/photos/chicken-hen-poultry-livestock-410146/
[4] Free Royalty, https://pxhere.com/en/photo/1160567

Let's try how far your learnings are with the previous module. Take this activity.

Directions: Read the following questions. Form the word out of the scrambled letters to be able to identify the animals to be raised as an alternative source of income for the family as being described. Write your answer in a separate sheet of paper.

1. A type of animal that can be sold live or as meat or meat products. Some of its breeds include: Duroc, Landrace, Hypor, Hampshire, etc.

(N) (S) (E) (I) (W)

2. This animal meat is relatively expensive than chicken, pork or beef. Nubian, Jumma Pari, Alpine and Saanen are some of its breed.

(T) (O) (G) (A)

3. Brahman, Ongole, and Banteng are some of the breed of this animal. This animal requires a substantially larger area to roam around.

(T) (A) (C) (L) (E) (T)

4. Its meat is rich in protein and is a healthier alternative to animal meat. Tilapia, Milkfish, Carp and Catfish are some of its species.

(S) (H) (I) (F)

5. This animal when raised for eggs are known as layers, while when raised for meat are called broilers.

(K) (I) (N) (H) (E) (C) (C)

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What's New

Read the story very well then find out how much you can remember and how much you understand by answering the guide questions.

A Growing Gift

Once there was a boy named Rolando who was given a birthday gift by his father. Rolando's father owned a small piggery and had received from him a piglet as a birthday present. He was very happy when he received his gift. He spent much of his time taking care and monitoring the growth and progress of his piglet to ensure faster growth and healthier according to his plan.

To monitor the growth and progress of his pig, he always kept an updated record of the weight and health of the pig. But on the following month, he had observed that his pig did not gain enough weight unlike with the previous month. So, he decided to surf the internet on the proper ways to raise his pig. He was overjoyed that he found so many useful information on how to raise his pig faster and healthier and his knowledge on how to raise animals expanded.

A few months passed, his pig reached a marketable size and weight, so he decided to sell his pig. He was very happy with himself to have earned money from the pig he sold that he decided to buy again two piglets to raise. He eagerly shared the remaining money he earned with his family. He was really satisfied with the idea that if he would properly care the animals by regularly monitoring and keeping records of the growth and progress of the animals, one could become a successful animal raiser.

After reading the story, answer the following questions to deepen your understanding:

1. What animal did Rolando raise?
2. What did he do to ensure that his pig grow faster and healthier?
3. How did he monitor the growth and progress of his piglet?
4. How did he find solution to his problem and able to expands his knowledge in raising the pig?

![magnifier icon] *What is It*

In this activity, you are going to learn the content of this module to better understand the lesson on how to implement a plan for animal raising; monitor growth and progress; keep an updated record of growth and progress; and expand/enhance one's knowledge of animal raising using the internet.

Starting to operate a farm, like any other business endeavor, requires research, critical thinking, educational background or technical know-how, and enough funding. Proper execution of the business plan equates to a sound daily farm operation.

I.   Implementing the Plan for Family's Animal Raising Project

Implementing means putting into action what has been planned by following every step or process in it. Successful implementation needs control, suspension, and guidance in the care of animals. Here are a few things to follow:

1. Be systematic in raising and caring for your animals. Follow your schedule of work including preparation of feeds, time for feeding, amount of feeds for each animal, bathing, cleaning of housing and surrounding, recording, immunization, visit to the veterinarian and actual weighing.

2. Use a chart to record the growth and progress of each animal. Have a specific period (weekly/ monthly) when to record weight. The chart should contain age of animal, date of weighing, weight taken weekly or monthly, and weight gained.

3. Monitor regularly the growth and progress of animals using the chart.

4. If problems occur regarding the health and progress of animals, consult other experienced animal growers.

5. Surf the internet to gain more knowledge of animals raising and be updated of recent studies.

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[5] Hog Confinement Barn, Free Royalty,
https://commons.wikimedia.org/wiki/File:Hog_confinement_barn_interior.jpg

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A. Monitoring Growth and Progress

Animal raising project is expected to gain as an additional source of family income. By this, you need to maintain the records of all your transaction. Assuming that business is good, farm products are abundant and daily operations are at its peak, you should be able to set standards for all aspects of production. For example, the quantity of milk produced every day, the number of young born every breeding cycle, the number of animals sold every selling season, growth and progress of the animal weekly/monthly, etc. Some of the important records to keep for monitoring are:

1. Litter Records
   - Birth weight (1.5 kg is good)
   - Weaning weight (18kg is good)

2. Dams/Sow Record
   - Number of piglets weaned per year (18 is good)

3. Marketing
   - Number of Animals, age and weight

4. Feed Conversion Rate
   - A satisfactory conversion ratio should be 1 kg live weight gain for 3 to 5 kg of feed consumed by an animal.

5. Costs and Returns of Production
   - All expenses and sales recorded for one year to compute the returns on your investment (ROI) at the end of the year.

B. Keeping an updated Record of Growth/Progress

Raising animals must be given ample time and careful thought. Keeping an updated record is a way to achieve your goals in livestock raising. Most importantly, recording every detail of the progress and growth of farm animals must be done all the time. Records will serve as a future reference for improving the business.
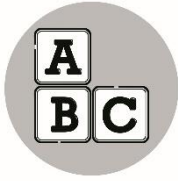
Sample Chart of the Growth and Progress of a Pig

Age		Date of Weighing	Weight (kg)	Weight gain
Week	Day			
0	1	March 3, 2019	1.2	0
1	7	March 8, 2019	2.7	1.5
2	14	March 15, 2019	4.1	1.4
3	21	March 22, 2019	6.7	2.6
4	28	March 29, 2019	9.2	2.5
5	36	April 5, 2019	11.3	2.1
6	42	April 12, 2019	13.5	2.2
7	49	April 19, 2019	15.7	2.2
8	56	April 26, 2019	17.2	1.5
9	63	May 2, 2019	20.7	3.6
10	70	May 9, 2019	24.3	3.6
11	77	May 16, 2019	27.4	3.1
12	84	May 23, 2019	30.3	2.9
13	91	May 30, 2019	38.6	8.3
14	98	June 6, 2019	45.4	6.8
15	105	June 13, 2019	50.6	5.2
Disposing/Harvesting Period				

C. Expanding/Enhancing One's Knowledge on Animal Raising through Internet

It is best to keep learning and take new ideas and practices that can help improve your daily operations. The internet is a good source of free information not only from local but international sources as well. This information must be validated fully including its source to ensure its correctness. Because of the advanced technology, we can expand or enhance our knowledge of animal/fish raising. There are numerous agricultural websites dedicated to animal raising which aim to spread information to all who are willing to learn. Foreign and local instructional videos can also be accessed through video sharing websites.

In the Philippines, there are farming cooperatives and associations which are willing to share new farming information and technology with those who are interested. The government, through the Department of Agriculture and other government and non-government organizations, is implementing countless programs that aim to assist farmers in every way possible from training to financial, technical, and infrastructure development and assistance.

What's More

Independent Activity 1

Direction: Write a letter or note to another person, character, political figure, etc. telling him/her something you know or think about implementing plan on animal raising. You may write your letter on a separate sheet of paper.

Dear _____,

_____

_____

_____

_____

_____

Truly yours,

_____
(Your Name)

Independent Assessment 1:

1. How many persons did you send your letter to?
2. Who are these personalities and their contribution to the community?
3. What is your purpose for sending them your letter about animal raising?
4. What means of sending communication did you use?
5. Who many responses did you receive from all the letters you sent?

Independent Activity 2

You are to search the words in the crossword puzzle, then list all the words you will find to serve as your hints in answering the Independent Assessment. Use a separate sheet of paper for your answers.

I	S	T	M	O	N	I	T	O	R
U	N	R	O	D	O	Y	A	G	J
R	U	T	R	K	R	U	O	A	T
S	T	U	E	T	T	X	G	R	D
A	S	R	C	R	E	E	R	T	A
P	O	T	O	D	N	D	O	N	M
X	A	U	R	U	T	E	W	Y	I
A	C	H	D	U	L	O	T	H	O
O	N	I	C	K	L	D	H	O	F
D	A	N	I	M	A	L	S	E	G
B	G	O	S	E	R	T	I	M	F

Independent Assessment 2:

After searching and listing the words you found in the crossword puzzle, it's time for you to fill in the blanks.

1. Surf the _____ to gain more knowledge of animals raising and be updated of recent studies.

2. Use a chart to record the _____ and progress of each animal.

3. It is important to keep an updated _____ to assess whether your farm business yields income or not.

4. _____ regularly the growth and progress of animals using the chart.

5. Raising _____ must be given ample time and careful thought.

What I Have Learned

Try this activity by filling the blanks to process what you have learned from the lesson.

1. _____ means putting into action what has been planned. Follow well you have planned. Do not change your mind in the middle of the project.

2. Be _____ in raising and caring for your animals. Follow your schedule of work including preparation of feeds, time for feeding, amount of feeds for each animal, bathing, cleaning of housing and surrounding, recording, immunization, visit to the veterinarian, actual weighing and weight.

3. Use a _____ to record the growth and progress of each animal. Have a specific period (weekly/ monthly) when to record weight. The chart should _____, _____, and _____.

4. _____ regularly the growth and progress of animals using the chart.

5. Surf the _____ to gain more knowledge of animals raising and be updated of recent studies.

What I Can Do

How Do You Apply What You Have Learned?

Show that you learned something by doing this activity.

Direction: After learning the things you need to do in the implementation of plan on animal raising:

1. Create a chart to record the growth and progress of animals raised by your parents, neighbor, or other animal farmers in your locality, to be used in their monitoring.
2. Convince them of the importance of record keeping and monitoring of the growth and progress of their animal raising project.

How Well Did You Perform?

Find out by accomplishing the Performance Criteria Checklist honestly and sincerely. Remember it is your learning at stake!

Performance Criteria Checklist

Did you…….	YES	NO
1. Understand the things to follow on how to implement plan on animal raising?		
2. Understand the importance of monitoring of the growth and progress of the animal?		
3. Able to construct a chart for keeping an updated record of the growth and progress of the animal?		
4. Include all the necessary variables/data in your chart?		
5. Did you convince your parents, neighbors, other animal raisers the importance of record keeping and monitoring in animal raising?		
6. Seek help in constructing your chart?		
7. Surf the internet to gain more knowledge in constructing your chart?		
8. Enjoy constructing your chart in monitoring the growth and progress of the animals?		

![Pencil icon] ***Assessment***

Multiple Choice. Choose the letter of the best answer. Write the chosen letter on a separate sheet of paper.

1. Why do we need to keep an updated record of the growth and progress of the animal in animal raising?
    a. to monitor the growth and progress of the animal
    b. to monitor the growth and progress of the animal raiser
    c. to monitor the growth and progress of the animal buyers
    d. to monitor the growth and progress of the animal buyers
2. What will you use to record the growth and progress of your animal?
    a. chart
    b. diagram
    c. pie graph
    d. thermometer
3. Which of the following will you do if problems occur regarding the health and progress of animals?
    a. give a dose of medicine of your own
    b. keep the problem and sell the animal
    c. consult other experienced animal growers
    d. ignore the problem and continue to feed them
4. Which of the following data is NOT needed in the chart for monitoring the growth and progress of your animal?
    a. age of animal
    b. price when sold
    c. date of weighing
    d. weekly/monthly weight
5. Which of the following statement is NOT true about implementing plan on animal raising?
    a. Computes income earned from marketed products of other animal raisers.
    b. Expands/enhances knowledge on animal raising using the internet.
    c. Keeps an updated record of growth and progress of animal.
    d. Monitors regularly the growth and progress of animals using the chart.
6. Which of the following statements shows benefit of using the internet in a business?
    a. Downloading of different multimedia applications and entertainment.
    b. Surfing the internet to gain more knowledge of animals raising and be updated of recent studies.
    c. Using of internet for searching pictures of modern farms.
    d. Watching movies online and live streaming.

7. What is the right thing you should do in using the internet as a source of information?
  a. Gathering fake news/data in the internet.
  b. Copy the sources without giving credits to the owner.
  c. Getting information from unauthorized websites or blogs.
  d. Make sure to validate information and check different sources.

Direction: Study the chart below and answer the questions that follows. (8-10)

Chart of the Pig's Growth and Progress in Valde's Piggery

Age		Date of Weighing	Weight (kg)	Weight gain
Week	Day			
0	1	July 7, 2019	1.3	0
1	7	July 14, 2019	2.5	1.2
2	14	July 21, 2019	3.8	1.3
3	21	July 28, 2019	5.6	1.8
4	28	August 4, 2019	8.6	3
5	36	August 11, 2019	9.7	1.1
6	42	August 18, 2019	12.4	2.7
7	49	August 31, 2019	14.6	2.2
8	56	September 1, 2019	16.3	1.7
9	63	September 8, 2019	20.7	4.4
10	70	September 17, 2019	22.5	1.8
11	77	September 24, 2019	25.6	3.1
12	84	October 1, 2019	30.3	4.7
13	91	October 8, 2019	35.6	5.3
14	98	October 17, 2019	44.5	8.9
15	105	October 25, 2019	51.4	6.9
Disposing/Harvesting Period				

8. How many days does it take before the disposing/harvesting period?
  a. 15
  b. 50
  c. 100
  d. 105
9. In what date of weighing period has the biggest weight gain of the pig?
  a. July 14, 2019
  b. August 4, 2019
  c. October 17, 2019
  d. October 25, 2019
10. What is the disposing/harvesting weight of Mr. Valde's pig?
  a. 30.3 kg.
  b. 35.6 kg.
  c. 44.5 kg.
  d. 51.4 kg.

Additional Activities

Monitor progress of any animal raising farm in your locality for one week. Use the chart you had created to record growth and progress. Then use the rubric below to know if the owner implements plan for animal raising.

Rubrics for Animal and Fish Raising

Indicators	Excellent (5 points)	Good (3-4)	Poor (1-2)
He or she monitors the growth and progress of the project.			
He or she keeps an updated record of the growth and progress of the project.			
He or she expands/enhances his or her knowledge of animal and fish raising using the internet and other sources of information.			
Total			

References

Learning and Living in the 21st Century 6, pp. 157.

Life Skills through TLE 6, pp. 83, 92-93.

The Basics of Better Family Living 6

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