

7

Lesson Exemplar for TLE

Quarter 2

Lesson

7

Lesson Exemplar for TLE Grade 7
Quarter 2: Lesson 7 (Week 5)
SY 2024-2025

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TLE/QUARTER 2/ GRADE 7

I. CURRICULUM CONTENT, STANDARDS, AND LESSON COMPETENCIES

A. Content Standards	The learners demonstrate an understanding of the concepts and skills in animal production.
B. Performance Standards	The learners illustrate the housing requirements for poultry and livestock based on industry standards.
C. Learning Competencies and Objectives	<p>Learning Competencies Determine the breeds of farm animals.</p> <p>Lesson Objectives:</p> <ol style="list-style-type: none"> 1. Identify the distinct physical characteristics of the poultry animals such as cattle, swine, goat, and rabbit; and 2. Identify the breeds of cattle, swine, goat, and rabbit.
D. Content	Breeds of Farm Animals: Cattle, Swine, Goat, and Rabbit
E. Integration	SDG 4: Quality Education, SDG 15: Life on Land, SDG 17: Partnership for the Goals, Environmental Education

II. LEARNING RESOURCES

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Profitable Agribusiness Ideas. (2020, August). Top 10 Dairy Cattle Breeds in the World | In terms of Sales Revenue in US Dollar per Cow [Video]. YouTube. <https://www.youtube.com/watch?v=wgjLhF5Lnko>







Profitable Agribusiness Ideas. (2021, February). Top 10 Cattle Beef Breeds | Highest Average Daily Gain the World from Weaning to Yearling Age [Video]. YouTube. https://www.youtube.com/watch?v=DpPL8fDX_J0





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Small, M. (2016). Selection common livestock breeds and characteristics. <https://www.uidaho.edu/-/media/UIDaho-Responsive/Files/Extension/4-H/Animal-Science-Lesson-Plans/Selection-Common-Livestock-Breeds-and-Characteristics-Level1-MSmall.pdf?la=en&hash=EFACB0F9925E7964E4AC34542952455140FC6805>

Small, M. (2014). *Common Livestock Breeds and Characteristics PowerPoint*. University of Idaho Extension.

Stewards Rabbitry. (2021, April). Top 10 Biggest Rabbit Breed [Video]. YouTube. <https://www.youtube.com/watch?v=9MPrvHIYyzQ>
 Tabs Rabbitry Farm Animal and Pets. (2021, February). Top 5 Breeds ng rabbit sa Pilipinas [Video]. YouTube. <https://www.youtube.com/watch?v=1bsjnMIXLXI>

III. TEACHING AND LEARNING PROCEDURE			NOTES TO TEACHERS								
A. Activating Prior Knowledge	DAY 1		The teacher may modify the strategy of short review.								
	1. Short Review Tumpakners: Find a partner for the game. A pair will be asked to answer the characteristics of a certain breed of poultry animals. At the count of three, the pair must give answer correctly at the same time.										
	Completing the KWLS Chart The students will accomplish the chart. On the K column , they will list down all what they KNOW about the lesson. On the W column, they will list down all what they WANT to know about the lesson. The L and S column will be reserved in the latter part of the lesson. The S column is an additional column in order for the students to have a critical understanding on the importance of the lesson.										
	<table><tr><th>Know</th><th>Want</th><th>Learned</th><th>So what?</th></tr><tr><td></td><td></td><td></td><td></td></tr></table>	Know	Want	Learned	So what?						
Know	Want	Learned	So what?								
											
	2. Feedback (Optional)										
B. Establishing Lesson Purpose	1. Lesson Purpose Asking like Socrates: The teacher will ask the following questions to establish the purpose of the lesson.		To establish the purpose of the lesson, the teacher will ask the questions to the students.								
	<ol style="list-style-type: none">1. Who among you have domesticated animals in the farm?2. Can you cite examples of farm animals?3. Do you know the breed of your farm animals?										

	<p>4. Why do we need to know and to have various breeds of farm animals?</p> <p>2. Unlocking Content Area Vocabulary</p> <ul style="list-style-type: none"> • Livestock- These are various domesticated farm animals raised to provide employment and produce various products for human consumption. • Breeds- These are specific groups of domestic animals having similar appearance and characteristics distinct from other animals of the same species. • Breeding- It is a science of producing another species of livestock through inbreeding, line breeding, outbreeding, outcrossing, grading up, cross breeding, and species hybridization. 	<p>Also, the teacher will ensure that vocabulary terms are presented before beginning the lesson.</p>
<p>C. Developing and Deepening Understanding</p>	<p>DAY 2</p> <p>SUB-TOPIC 1: Different Breeds of Farm Animals</p> <p>1. Explication</p> <p>Farm Benchmarking: The students will watch a video clip on the different breeds of farm animals such as cattle, swine, goat, and rabbit. After which, the students will answer the questions that follow.</p> <div style="display: flex; justify-content: space-around;"> <div style="text-align: center;">  <p>Top 10 Cattle Beef Breeds</p> <p>Source: https://www.youtube.com/watch?v=DpPL8fDX_J0</p> </div> <div style="text-align: center;">  <p>Top 10 Dairy Cattle Breeds</p> <p>Source: https://www.youtube.com/watch?v=wgiLhF5Lnko</p> </div> </div> <div style="display: flex; justify-content: space-around; margin-top: 20px;"> <div style="text-align: center;">  <p>Top 10 Pig Breeds in the Philippines</p> <p>Source: https://www.youtube.com/watch?v=Wbt3DYQ_bEO</p> </div> <div style="text-align: center;">  <p>Major Goat Breeds in the Philippines</p> <p>Source: https://www.youtube.com/watch?v=3nkj5CmMXQM</p> </div> </div>	<p>The teacher will have the students watch video clips, documentaries or reports on the various breeds of farm animals.</p> <p>After viewing, students will summarize what they learned by completing the activity sheet. The teacher will ensure that students are guided well in accomplishing the activity.</p>



Top 10 Highest Goat Meat Breeds in the World

Source: <https://www.youtube.com/watch?v=oZ4sRhuaVYI>



Top 5 Rabbit Breeds in the Philippines

Source: <https://www.youtube.com/watch?v=1bsjnMIXLX>



Top 10 Biggest Rabbit Breed

Source: <https://www.youtube.com/watch?v=9MPrvHIYyzQ>

Guide Questions

What are the different breeds of farm animals shown in the video? Identify at least five of each type of farm animals and list their distinct characteristics. Use the activity sheet below.

Swine

Name	Characteristics

Cattle

Name	Characteristics

Goat

Name	Characteristics

Rabbit

Name	Characteristics

DAY 3

2. Worked Example: Livestock Scoop

Group the students into six. Each group will be assigned to a particular livestock. They will present the different breeds of farm animals through new casting (reporting). Assign each group with news anchors, reporter, audience, cameraman, script writer, and other personnel needs in newscasting. The report of the newscast




should include the breeds of the assigned farm animal and characteristics of each breed. Students will be encouraged to present the newscast in a creative way.

Reading Resources

Breeds are a specific group of domestic animals having similar appearance and characteristics that differentiate from the other animals of the same species. To improve the livestock or farm animals, several systems of breeding are being done. This includes inbreeding, line breeding, outbreeding, outcrossing, grading up, cross breeding, and species hybridization.

The different breeds of domesticated farm animals known as livestock are raised in order to provide employment and produce different forms of products for human consumption such as meat, eggs, milk, fur, leather, and wool. In this lesson, livestock to be covered are: cattle, swine, goat, and rabbit.

Cattle

Breed	Characteristics
 <p>Source: https://cdn.globalagmedia.com/uploads/files/breeds/friesiancow.jpg</p>	<p>Friesian is the world's highest production of dairy animals. The mature body weight of male is 580 kg while females are 360 kg. There are black and white distinct patches on their skin. Though it has high milk production, it has a low fat content of 3.4%.</p>
 <p>Source: https://cdn.britannica.com/25/525-050-2C177308/Ayrshire-cow.jpg?w=400&h=300&c=crop</p>	<p>Ayrshire is distinct from its red or brown color with varying amounts of white. It has large horns with an upward curve. The matured body weight of the male breed is 900 kg while 600 kg for female. It is also good for the production of milk. It has moderate fat content of 4% though it contains high protein.</p>
 <p>Source: https://cdn.britannica.com/22/522-050-25222A61/Jersey-cow.jpg</p>	<p>Jersey is a small breed of dairy cattle. Its body weight ranges from 400-500 kg. Its body color is fawn or light brown. It is estimated that the fat content of its body is 4.8%</p>

For the worked sample, the teacher will give a brief background of what newscasting is about. The teacher will provide ample time for the students to prepare their presentation. In grading their output, the teacher will use scoring rubric. This activity will proceed as a product of benchmarking through video clip viewing.

(The teacher may opt to have a ruminant portfolio.)

After the presentation of each group, the teacher will ask questions to the other groups if they understood what has been presented. If there are misconception/s, the teacher will redirect students. The teacher will summarize the concepts being presented.

After all groups finish presenting, the teacher will again ask the students about the presentation, especially on the content focus of the presentation. After which, the



Source:
https://en.wikipedia.org/wiki/File:Hereford_bull_large.jpg

Hereford is first introduced in the United States. It is noted for its luxuriant grasses. It is bred for beef and draft purposes. The characteristic color is red with a white face and white markings.



Source:
<https://images.app.goo.gl/cMSEzSSfUP5T9dDG7>

Devon originated in England. It has a red color. In good working condition, the mature bull weighs 770 to 1000 kg.



Source:
<https://images.app.goo.gl/vfAuNxoHAfutnSa57>


Black Angus is developed from cattle native to Scotland. It is a naturally polled horn. Its body color is solid black or red. Some are white color. This is the most common beef breed of cattle.



Source:
<https://images.app.goo.gl/QeGH2t5WYgSTbuTx5>

Simmental is originally found in Switzerland. It is a red and white and horned breed. It is extensively used for crossbreeding.

Swine

Breed	Characteristics
 <p>Source: https://images.app.goo.gl/K5E8BXt9qcFg8rDa6</p>	<p>American Yorkshire is an American breed of large domestic pig. It is derived from the pigs of Yorkshire breed from the United Kingdom or Canada. This is a bacon breed type. It is the most widely distributed breed of pigs in the world.</p>

teacher will integrate the various concepts relevant to the topic such as environmental education and sustainable development goals.



Source:
<https://images.app.goo.gl/SukVB3TBKVge6D3t5>

Berkshire is originated in the United Kingdom. It has a short head, curved face, and erected ears. It can have as many as 9 litters. Its meat is pork.



Source:
<https://images.app.goo.gl/pgpTH6LpFmtKaWvb9>

Large White is originated in the United Kingdom. It has erect ears. It can produce a good meat intended for bacon. It is considered as a good mother and good milker that can have litter as much as 11.



Source:
<https://images.app.goo.gl/RHVqPtsfKMui19Uq56>

Chester White is originated in Chester Country, Pennsylvania. It is white swine with droopy, medium-sized ears. It is known for its good mothering ability, durability, and soundness.



Source:
<https://images.app.goo.gl/SBzwQTrofqwDqMZV8>

Duroc Jersey is originated in the United States of America. It is a good meat type because it has good muscle quality, low back fat. However, it has a poor mothering ability though it can have litters ranging from 9-10.



Source:
<https://images.app.goo.gl/H7X4bmC2KToKu67w5>

Hampshire is known for its black color with a white belt that covers across the front legs around its body. It has erect ears, a heavily muscled, lean meat breed.



Source:
<https://images.app.goo.gl/CYCEwmfeXcfd5XkR9>

Poland China is an excellent feeder and gains readily under good conditions of care and management. It is known for having a very substantial bone and for being sound in its feet and legs.



Source:
<https://images.app.goo.gl/Cw7TsZVhZovgP3tV8>

Landrace is originated in Denmark. It has a droopy ear. Its meat can be a good source of bacon and less black fat. It is considered to have the characteristics of a good mother because it can have litter as much as 11.



Source:
<https://images.app.goo.gl/68cabqSKgg3f5CreA>

Middle White is native to the United Kingdom. It has a short nose suited for grazing. Its meat has an outstanding eating quality with a good taste and flavor.



Source:
<https://images.app.goo.gl/tFeuYFMwqSpwmyY9DA>

Large Black is a large swine breed which originated in Britain. It is entirely black in color. It can be considered as a grazing breed because of its foraging ability. It can be useful for extensive farming.



Source:
<https://images.app.goo.gl/pkNbfsKkZ6vbDeRDA>

Wild Boar is very small in size but a ferocious and devastating breed. It has high genetic potential. The fat content is less compared to other breeds.

Goat

Breed	Characteristics
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Source:
https://en.wikipedia.org/wiki/File:Angora_002.jpg

Angora is a Turkish breed of domesticated goat. Mohair is the lustrous fiber it produces. It is a moderately small goat, slender, elegant, and light-framed. In other parts of the world, it is reared for human consumption.



Source:
<https://images.app.goo.gl/6qWobPcHqiZA5gTA>

Spanish Boer is a breed intended for meat production. It is highly resistant to diseases and can adapt well to hot, dry semi-desert. It has white body and distinctive brown/black heads. It has the tendency to gain weight rapidly and develop heavy muscle.



Source:https://en.wikipedia.org/wiki/File:Kiko_goat_with_kid_USA_2011.jpg

Kiko is a breed of meat goat originated in New Zealand. It is a cross-bred of Anglo-Nubian, Saanen, and Toggenburg breeds.



Source:<https://images.app.goo.gl/f6JpMWb2CA1yvV9q6>

Nubian is a British breed of domestic goat. It is a cross-breed between native British goats and a mix of large lop-eared goats imported from India, Middle East, and North Africa. It is characterized by large, pendulous ears and a convex profile.



LaMancha is an American breed of dairy good known for its much-reduced external ears. It has a short and glossy coat with numerous color variations and patterns. It is considered a docile

Source:<https://cdn.britannica.com/33/53/3-050-2ED3D8DF/LaMancha-goat.jpg>

breed and is an excellent producer of milk, high in fiber and protein.



Source:https://en.wikipedia.org/wiki/File:Troupeau_ch%C3%A8vres_alpines201.jpg

Alpine is a medium to large-sized breed of domestic goat. It is known for its very good milking ability. They have no markings, have horns, a straight profile and erect ears. It can range from white or gray to brown to black. Mature does weigh around 61 kg and 76 cm tall at the shoulder.



Source:<https://en.wikipedia.org/wiki/File:Saanenziege.jpg>

Saanen is distinct in its white or cream body color. It is easy to manage and performs best in cooler conditions. It is the largest milk producer of goat breeds.



Source:<https://en.wikipedia.org/wiki/File:NigerianDwarfDairyGoat.jpg>






Nigerian Dwarf is taken from its origin, Nigeria. It is small but well-proportioned. It may be horned or hornless. Its common colors are gold, chocolate, and black with white markings. Its average weight is 35kg white maximum height is 60 cm.



Source:<https://images.app.goo.gl/3iKApW9wv5WhsJUn9>

Jamnapari is originated in the Indian subcontinent. This is intended for both milk and meat. Its coat color is white with patches of tan on the neck and head. The mature body weight of male is 65-90 kg while female is 40-60kg.

Rabbit

Breed	Characteristics
 <p>Source: https://en.wikipedia.org/wiki/File:Hasekaninchen.jpg</p>	<p>Belgian Red is a fancy breed of domestic rabbit. It is selectively bred that resemble the wild European hare. Its weight averaged 2.7-4.1 kg. It is known for its slender and wiry frame and its long and powerful legs.</p>
 <p>Source: https://en.wikipedia.org/wiki/File:Kr%C3%B3liki_kalifornijski_666.jpg</p>	<p>Californian White is originally developed for fur and meat. It is recognized for its color variety of white with dark points. Its weight ranges from 3.4 to 4.3kg. It has dense, plush coats.</p>
 <p>Source: https://en.wikipedia.org/wiki/File:Giant_des_flandres_101.JPG</p>	<p>Flemish giant is the largest breed of domestic rabbit. It is historically bred for their fur and meat. It is often kept as pets known for being docile and patient when being handled.</p>
 <p>Source: https://en.wikipedia.org/wiki/File:Kaninchen1.jpg</p>  <p>Source: https://en.wikipedia.org/wiki/File:NewZealandWhiteRabbit.jpg</p>	<p>Red (white) New Zealand is originated in America but possibly imported from New Zealand. Its weight averaging 4.5-5.4kg with the does being slightly larger than bucks. It is bred for meat, pelts, show, and laboratory uses.</p>



Source: https://en.wikipedia.org/wiki/File:Fluffy_white_bunny_rabbit.jpg

Angora is one of the oldest types of domestic rabbit. It is bred for the long fibers of coat, known as Angora wool.

3. Lesson Activity

Livestock Inventory: The students will form a triad. The students will be asked to visit a farm adjacent to their residence. They will conduct an inventory of the farm animals present in the farm. The students will seek permission from the farm owner and must be accompanied by adults. Their livestock inventory should be presented in the form of a portfolio and must include the following:

- Type of farm animals
- Breeds of different farm animals
- Distinct characteristics of the breeds of farm animals
- Photo documentation
- Reflection



This activity may serve as an extended activity (homework). The teacher provides ample time for the students to accomplish this activity.

D. Making Generalizations

DAY 4

1. Learners' Takeaways

The students will revisit their initial work on the KWLS chart. This time, they will accomplish the **L** and **S** section. On the **L column**, students will list down all the things they learned on the lesson while on the **So what** column, students will list down the importance of knowing the different breeds of farm animals.

Know	Want	Learned	So what?
			

The teacher will ensure that the students still have the copy of their KWLS chart used in the previous activity.

The teacher may now integrate SDG 4: Quality Education, SDG 15: Life on Land, SDG 17: Partnership for the Goals, Environmental Education

The teacher will have the students accomplish the weekly learning log. The teacher may wish to have his/her students present their reflection in a more creative way.

2. Reflection on Learning

The students will accomplish this weekly reflection log.

Weekly Reflection Log		
My most favorite activity this week was:	This week, I learned:	Next week, I want to improve on:
	This week, I am proud of:	

IV. EVALUATING LEARNING: FORMATIVE ASSESSMENT AND TEACHER'S REFLECTION

NOTES TO TEACHERS

A. Evaluating Learning

1. Formative Assessment

Identify Me: Identify the breed of the poultry animal being described in each of the following. Write your answer on the space provided before the number.

1. This is a small breed of dairy cattle with body color of fawn or light brown.
2. It has the world's highest production of dairy animals with black and white distinct patches on their skin.
3. This is the most common beef breed of cattle.
4. This is a native of American breed of large domestic pig derived from UK or Canada.
5. It is originated in US with an erect ears and can produce good meat for bacon.
6. This is a Turkish breed of domesticated goat which produces lustrous fiber.

Answer Key:

1. Jersey
2. Freisian
3. Black Angus
4. American Yorkshire
5. Large White
6. Angora
7. Spanish Boer
8. Alpine
9. Belgian red
10. Angora

	<div><div></div><div></div><div></div><div></div></div> <div>7. This goat breed is intended for meat production with white body and brown/black heads.</div> <div>8. This is a medium to large-sized breed of domestic goat, known for its very good milking ability.</div> <div>9. This is a fancy breed of domestic rabbit that resembled a wild European hare.</div> <div>10. It is one of the older types of domestic rabbit for the production of wool.</div>			
	2. Homework (Optional)			
B. Teacher's Remarks	Note observations on any of the following areas:	Effective Practices	Problems Encountered	The teacher may take note of some observations related to the effective practices and problems encountered after utilizing the different strategies, materials used, learner engagement and other related stuff. Teachers may also suggest ways to improve the different activities explored/ lesson exemplar.
	strategies explored			
	materials used			
	learner engagement/ interaction			
	others			
C. Teacher's Reflection	Reflection guide or prompt can be on: <ul style="list-style-type: none">principles behind the teaching What principles and beliefs informed my lesson? Why did I teach the lesson the way I did?students What roles did my students play in my lesson? What did my students learn? How did they learn?ways forward What could I have done differently? What can I explore in the next lesson?			Teacher's reflection in every lesson conducted/ facilitated is essential and necessary to improve practice. You may also consider this as an input for the LAC/Collab sessions.