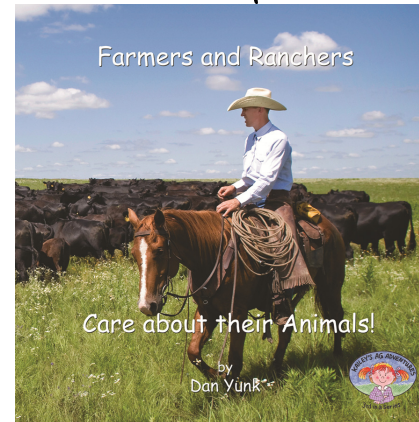


Farm Animal Circle of Care

A lesson based on the book, Farmers and Ranchers Care about their Animals!, by Dan Yunk.

America's food supply is safe, affordable and abundant but misunderstood by the public. Kansas Farm Bureau seeks to improve consumer knowledge of the importance of farming and ranching through the *Kailey's Ag Adventure Series*, of which this book is a part.



Level: Pre K - Grade 2

Subjects/Standards:

Science: K

Life Science

From Molecules to

Organisms: Structures and Processes

K-LS1-1

Use observations to describe patterns of what plants and animals (including humans) need to survive.

Standards may be adjusted to fit other grade levels.

Activity Description:

Students will connect ways in which farmers and ranchers provide for the 5 needs of animals with a concept web.

Student Learning

Outcomes:

Students will...

- Identify and categorize different ways farmers and ranchers provide for the needs of animals by completing a concept web.

Estimated Teaching

Time:

30 minutes

Background Information:

After reading Farmers and Ranchers Care about their Farm Animals!, we have discovered that farmers and ranchers do the right thing by properly caring for their animals. In what ways do they care for those animals? Before we can answer that question, let's explore the needs of living things!

Every living thing, including you and me, dogs and cats, pigs and horses, and even plants, has needs that have to be met in order to survive. What are these needs?

Make a list on the board of student responses to this question. Correct student responses should include: air, water, food, shelter, and care.

Activity:

Since we have now discovered what an animal needs to survive: air, water, food, shelter, and care. Let's explore some different ways farmers and ranchers provide for those needs for their animals.

A concept web is a type of graphic organizer that is used to visualize the relationships between or within concepts. Concepts are then connected with arrows or lines. Connecting concepts are then articulated with linking words or phrases, such as, "Farmers and ranchers provide animals with water." Webs can be created using words or pictures or a combination of words and pictures.

Move students into a large open area, with approximately 10 square feet of open floor space. Pass out the 17 pictures and 9 words to the students. Depending on the size of class, students may get more than one picture and/or word.

New Vocabulary:
Refer to Vocabulary
Handout

Students are then instructed to create a concept web about farm animal care with the pictures and pieces of yarn. When placing their picture, students should say their connecting phrase.

Materials Needed:
The Right Thing: Care and Feeding of Farm Animals
Copies of pictures and words
Yarn

Upon completion of the concept web, collect the pictures and yarn and guide students back to their seats.

After reading Farmers and Ranchers Care about their Farm Animals! and creating a concept web, we have discovered the needs of living things and ways in which farmers and ranchers meet those needs for animals on their farms!

Prepare Ahead:
Make copies of the pictures and words on cardstock. Laminate, if desired.

Notes to the Teacher regarding the Concept Web Activity:

The words are included to help younger students make the connections within the concept web. The words can be excluded for older students, if necessary.

Choose an open area with approximately 10 square feet of floor space.

Teachers may also opt to print pictures of different concepts on different colors of cardstock. For example, all types of water will be printed on blue cardstock, all food will be brown, and so on. This, too, will help younger students connect the concepts.

Another accommodation that can be made for younger students is to place the yarn in the appropriate places and have the students then place the pictures in the correct location. A teacher may opt to have older students place the pictures and then the connecting yarn.

Teachers may also choose to divide students into multiple groups to create their own concept webs. Remember to make the appropriate number of copies of the pictures and words, if using multiple groups.



Barns and Other Indoor Housing



Sheep



Animal Scientists



Ponds, Rivers, and Creeks



Horses

Fresh Air

Fresh Air



Hay

Ranchers





Shelter



Cows



Automatic Waterers



Grains and Other Feedstuffs



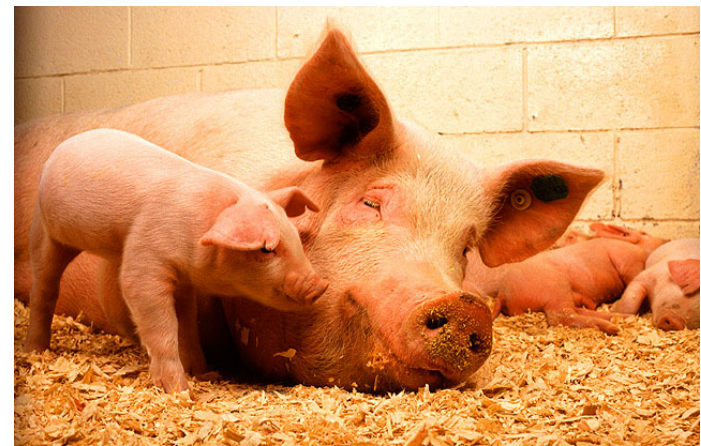
Fans and Ventilation Systems



Chickens



Veterinarian



Pigs

Farmers



Goats

air

provide

food

water

shelter

care

animals

Provided by:



KANSAS FARM BUREAU[®]
The Voice of Agriculture[®]

Farmers

Ranchers



provide



animals



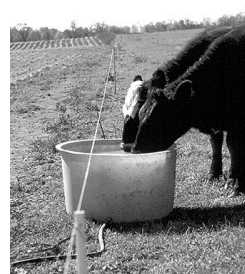
shelter

food

water

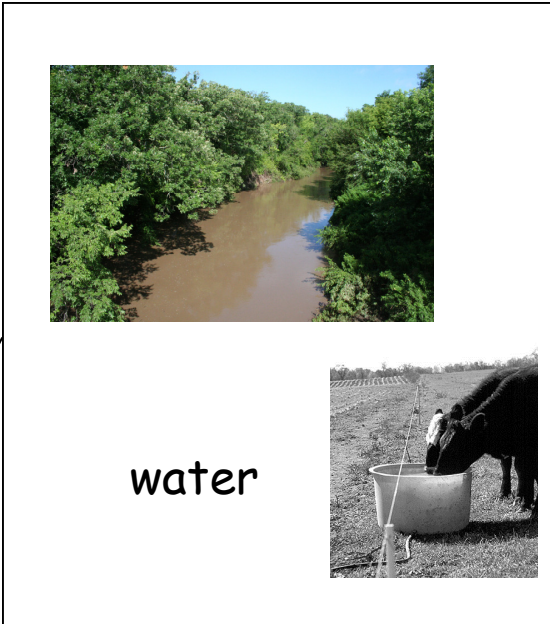
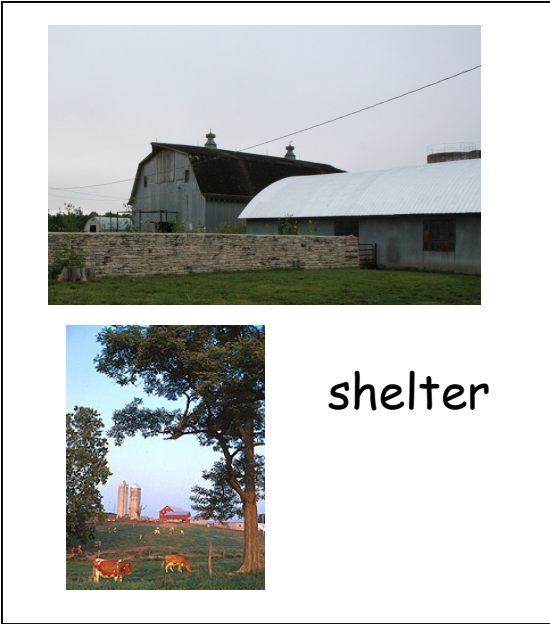
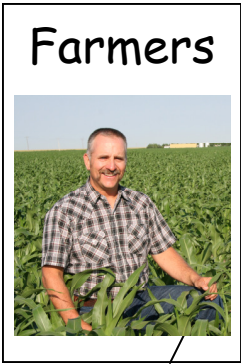
air

care

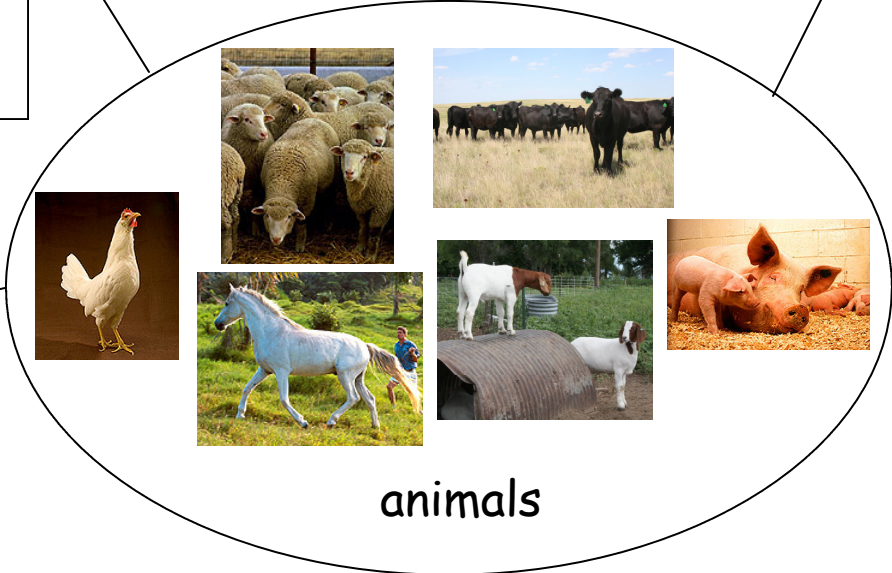


Fresh Air





provide



How Farmers and Ranchers Care for Animals *defined*

Shelter:

Many animals are best cared for in an indoor environment, such as barns and other indoor housing, where farmers and ranchers can carefully monitor their care. Grazing animals, such as cattle, sheep, and horses, can be kept in pastures with pole barns for protection from the weather.

Food:

Farmers carefully choose the correct grains and other feedstuffs for specific animals based on the protein and nutrient content needed. Different ages of the same animal even require different amounts and even types of food! Some animals on the farm are given hay as a part of their diet.

Care:

In addition to the daily care provided by the farmers and ranchers, veterinarians, or doctors educated to treat animals, play a role in maintaining healthy animals. Animal scientists, or people who conduct research about animals, help farmers and ranchers care for their animals by publishing their research.

Air:

Animals need air to breathe just like you! Farmers are certain the animals have enough fresh air by providing pasture to graze on, by opening windows in barns, and by using fans and ventilations systems in barns.

Water:

Animals on a farm drink lots of water! Farmers provide clean water by using ponds, rivers, and creeks. In indoor living, automatic waterers, or sources of constant access to fresh water, are provided for the animals to drink from.