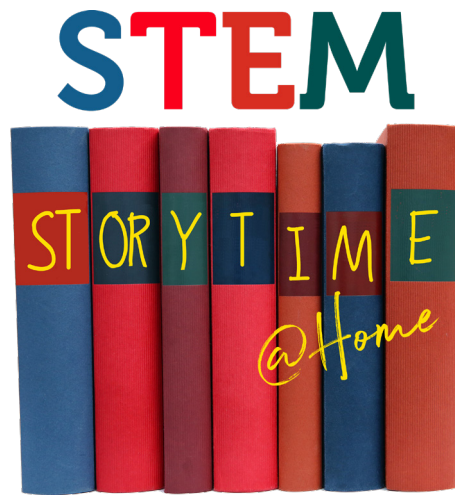


STEM




**north
museum**
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Welcome to STEM Storytime @ Home!

Welcome to STEM Storytime @ Home! STEM Storytime is a program for preschool aged children and their caretakers. Like our other Early Childhood programs, STEM Storytime introduces important elements of prekindergarten learning with and a live story presentation from a member of the museum's education team. This program provides preschoolers with new science and nature based concepts and vocabulary using the familiar tools of storytime and hands on activities to further enhance new learning opportunities.

This month's story and activities are focused on farming and agriculture using the book is *Dinosaur Farm* by Frann Preston-Gannon.



ACTIVITY #1

Buttermilk Painting

Set aside your watercolors and finger paints with this fun new take on painting at home!

What is buttermilk? Buttermilk is a fermented dairy drink. Although it is mostly cultured today, traditionally, it was the liquid left behind after churning butter out of cultured cream.

If you don't have buttermilk at home, you can make a quick buttermilk substitute by adding a tablespoon of white vinegar to a cup of regular milk. Let the mixture sit for five minutes before using.

Supplies You Will Need

- Small Containers or Cups. *Cupcake tins work well!
- Paper
- Colored chalk
- Buttermilk
- Paintbrush
- Newspaper-covered work area

Directions

1. Place a sheet of paper on your work area.
2. Drop some colored chalk into small containers
3. Now pour a small amount of buttermilk into each cup. *You could also dip each chalk piece in a cup before you paint.
4. Allow chalk to sit for a minute to take on some of the buttermilk. As the chalk sits in the buttermilk it will get smoother and semi soft.
5. When your chalk is ready, begin to create your picture. Notice how the chalk
6. glides on the paper.
7. Allow the chalk art to dry completely. Now hang the artwork on the wall for all to admire!

ACTIVITY #2

Compare and Contrast

How are cows and pigs different? In what ways are they the same?

Use the venn diagram below to map out what we know about these two farm animals. Can you think of any other characteristics to include in the diagram?

Supplies You Will Need

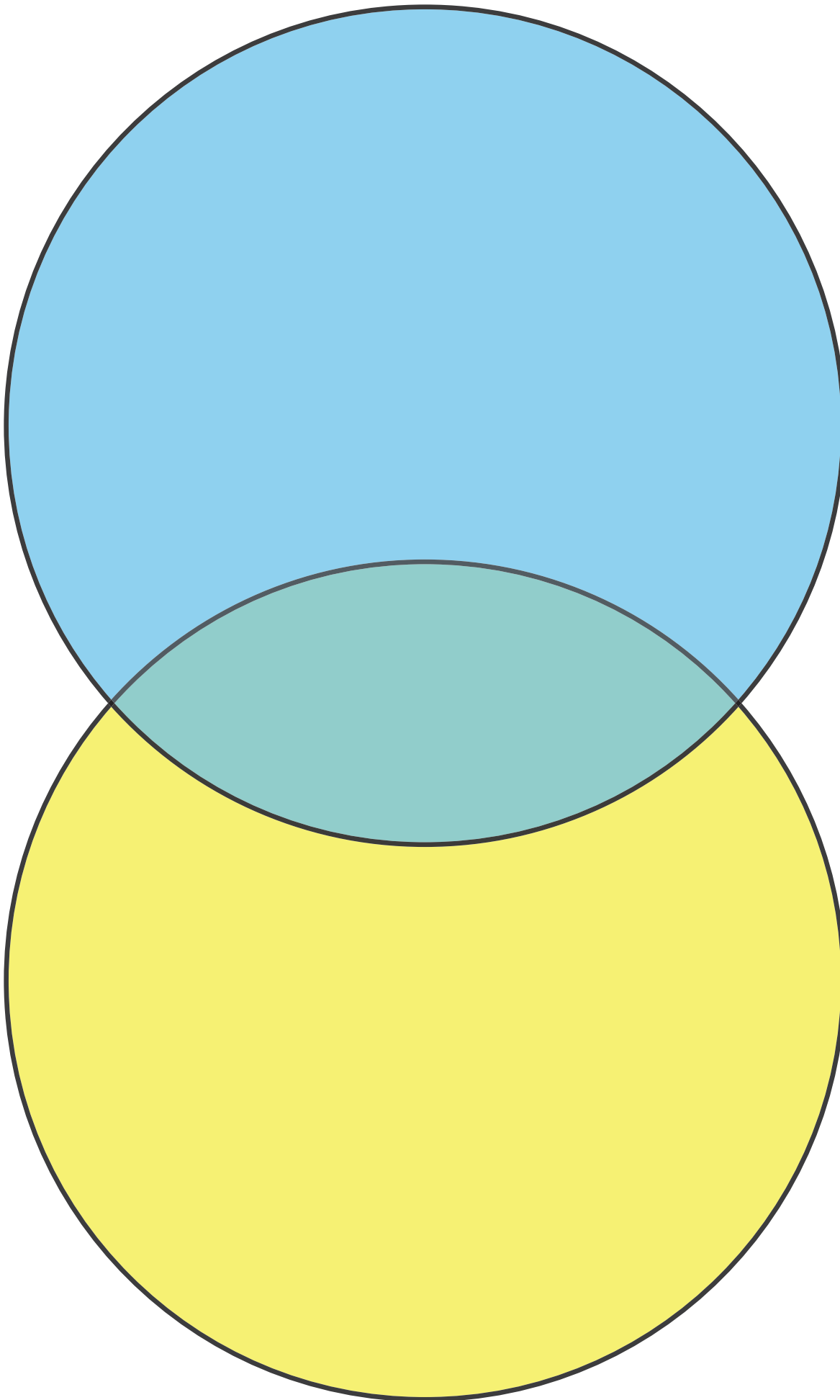
- Scissors
- Glue Stick
- Venn Diagram page

Directions

1. Start by cutting out the characteristic boxes below.
2. Review what is listed in each box and start to consider which animal it describes.
3. One by one place a characteristic in the circle of the animal it describes. If it describes both, place it in the center where the circles overlap.
4. Review what you have learned!



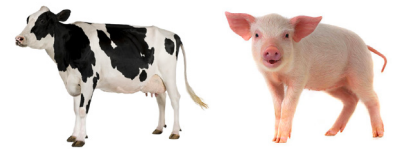
Farmed for meat	Has 4 legs	Babies are called piglets
Produces milk for humans	Stays cool in mud patches	Can chew for up to eight hours a day



COWS

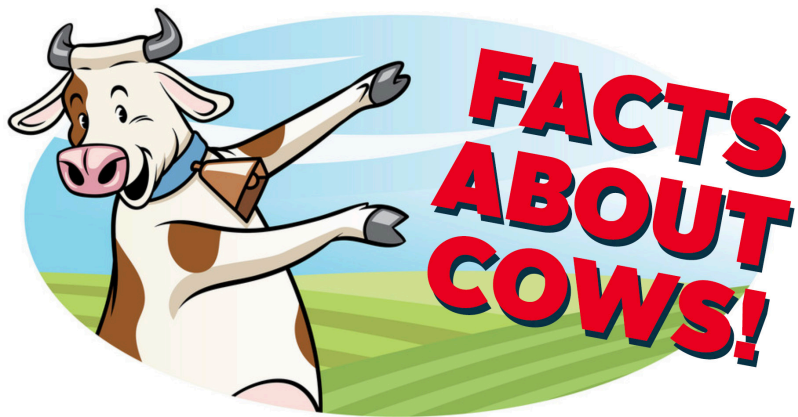


COWS & PIGS



PIGS





- Cows have a special type of stomach- one stomach with four different compartments. What would fill your 4 stomach compartments with?
- One dairy cow can produce around 8 gallons of milk per day.
- Cows are red and green colorblind, which means green and reds look the same to them!



- Want to teach a pig to play fetch or shake hands? Pigs are among the smartest of all domesticated animals and are even smarter than dogs!
- Much like humans, pigs actually find music soothing and love playing ball.
- Dinosaur pigs?
Enteledonts were pig-like creatures that existed around 16 million years ago.



ACTIVITY #3

Farm Coloring Page.

What kind of farmer would you be?

Color in the farm picture and add fruit and vegetable crops and animals to show what type of farm you would like to have!

