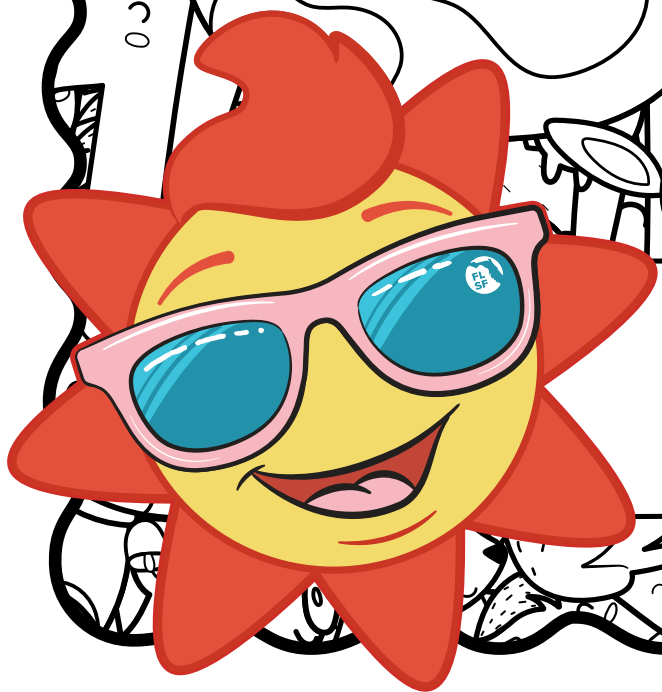


SUNNY'S AG ALMANAC



**FLORIDA
STATE FAIR**



ALMANAC:

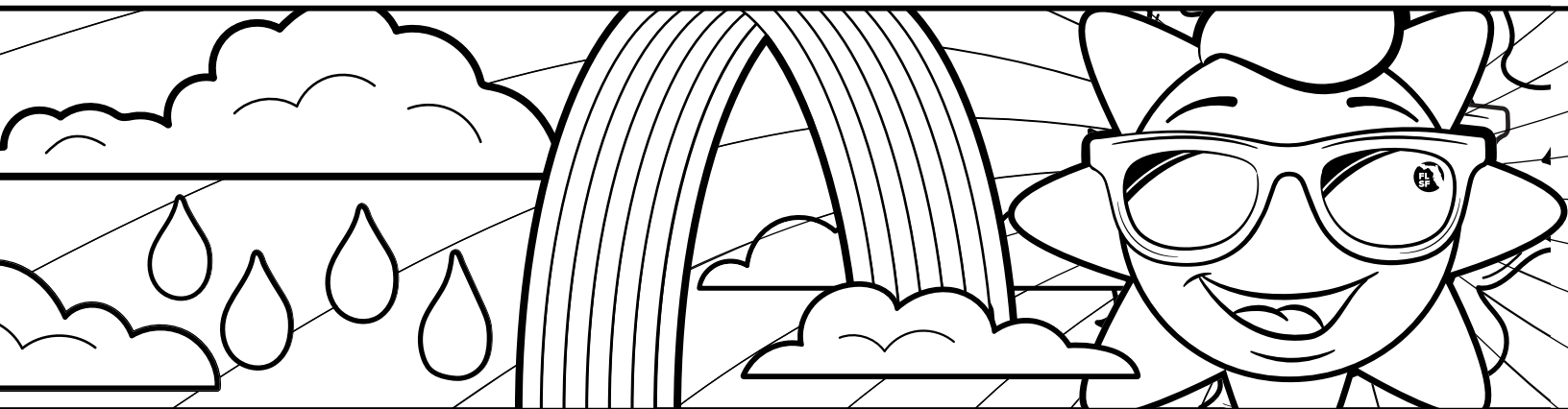
An almanac is a book , often published annually, containing practical information on a particular subject.

USE OF THIS ALMANAC:

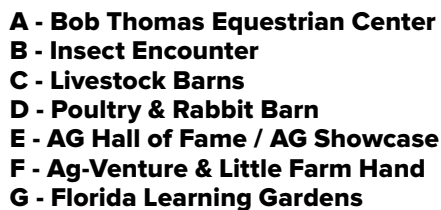
This almanac has been developed to enhance your visit to the Florida State Fair as an educational activity.

YOU CAN USE THE ALMANAC:

- Before your trip as an introduction to what you will see at the Fair.
- At the Fair as a workbook, we suggest you use a string to hang books around student's necks.
- After the Fair, use this workbook as a follow-up on what you saw and learned.



Describe today's weather at the Fairgrounds: _____



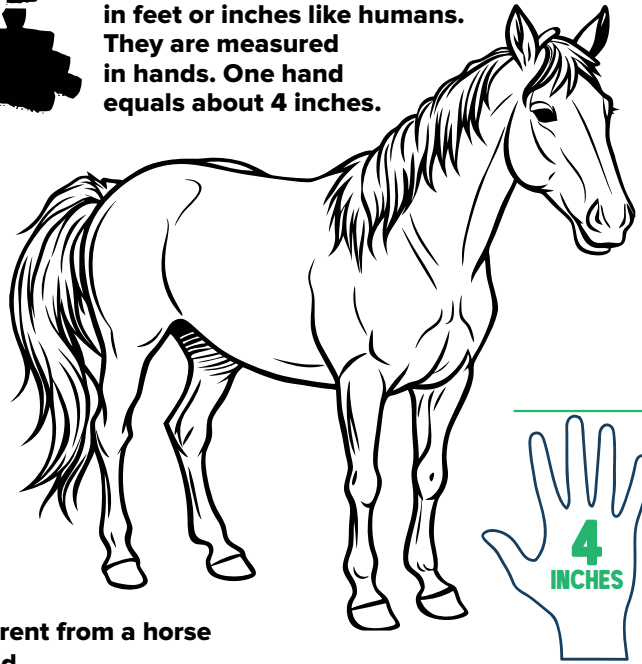
H - Creative Living
I - FL Fish & Wildlife Exhibit
J - Cracker Country
K - Steam Engines
L - FL Cattle Ranching Exhibit
M - FL Forest Discovery Center

The Mosaic logo, featuring the word "Mosaic" in a bold, black, sans-serif font. Below the text is a stylized graphic consisting of four overlapping rectangular blocks in teal, yellow, orange, and light green, arranged in a staggered, mosaic-like pattern.

BOB THOMAS EQUESTRIAN CENTER

DID YOU KNOW?

Horses are not measured in feet or inches like humans. They are measured in hands. One hand equals about 4 inches.



E•QUINE

/ˈekwɪn, ē,kwɪn/

What does equine mean?

Equine is the connection to horses or appearing similar to a horse. The category of animals includes horses, ponies, donkeys and zebras.

EQUINE TERMINOLOGY

Match the correct word to the definition

- | | |
|----------------|--|
| _____ Foal | A. Adult male horse |
| _____ Colt | B. Part of the equine family; different from a horse |
| _____ Filly | C. A young equine up to a year old |
| _____ Gelding | D. A male donkey |
| _____ Stallion | E. Adult male horse used for breeding |
| _____ Mare | F. Female horse under the age of 4 |
| _____ Pony | G. A female donkey |
| _____ Donkey | H. Male horse under the age of 4 |
| _____ Jenny | I. Offspring of a male donkey and a female horse |
| _____ Jack | J. Mature horse that measures less than 14.2 hands |
| _____ Mule | K. Adult female horse |

Answers: C-H-F-A-E-K-J-B-G-D-I

DID YOU KNOW?!

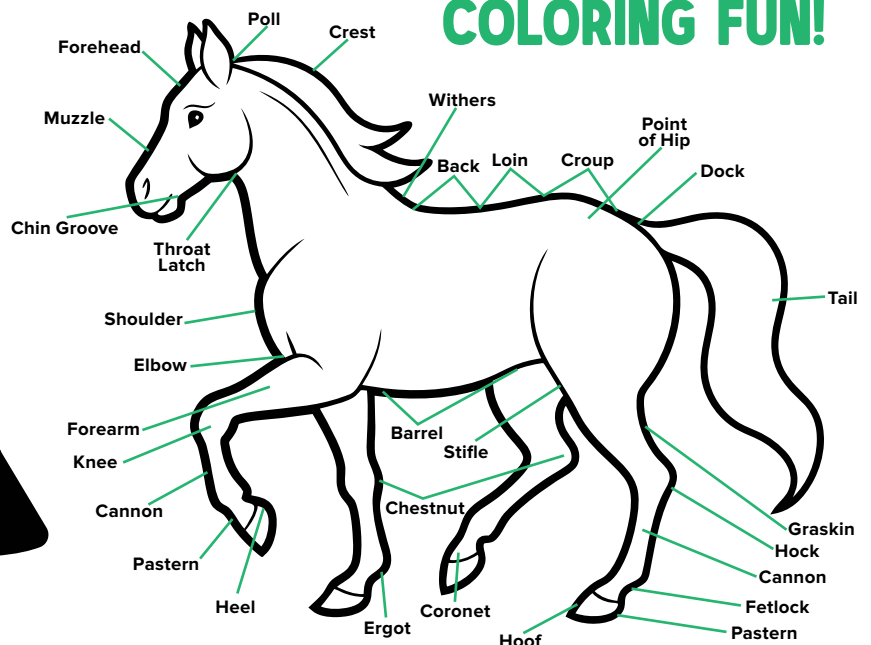
The triangular shaped area on the underside of a horse's hoof is called a "frog" & serves as a sort of shock absorber when its feet hit the ground.



HORSE ANATOMY

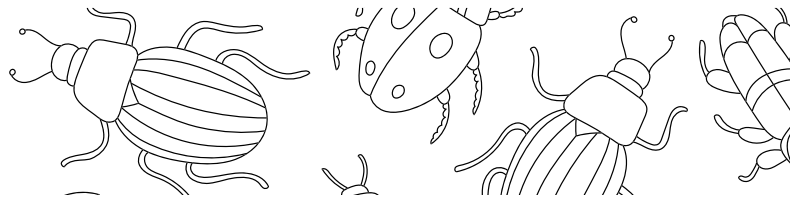
How much do you know about horse anatomy? With parts named withers, croup, chestnut & cannon, horses are quite different from people. How weird would it be if our elbows and knees were both on our legs?

COLORING FUN!



FLORIDA STATE FAIR

INSECT ENCOUNTER



Find the insect / butterfly display & describe what you see

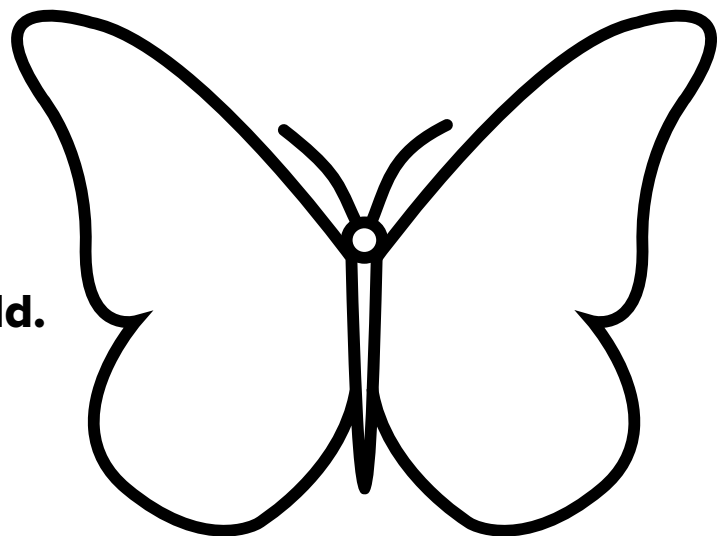
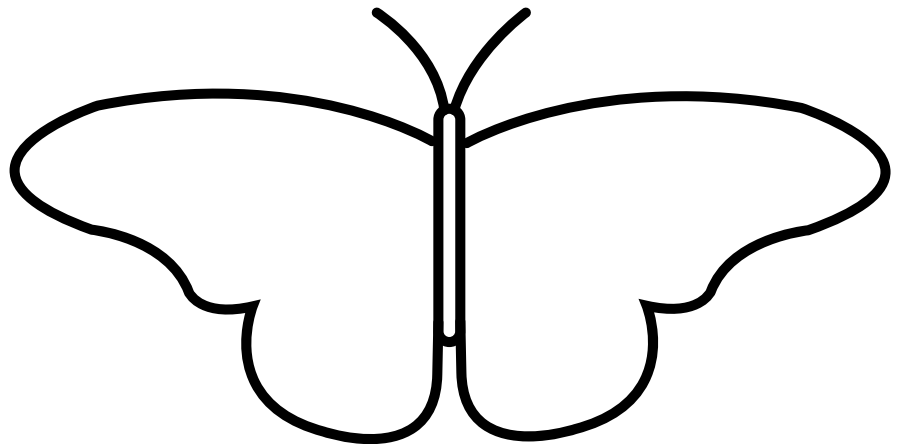
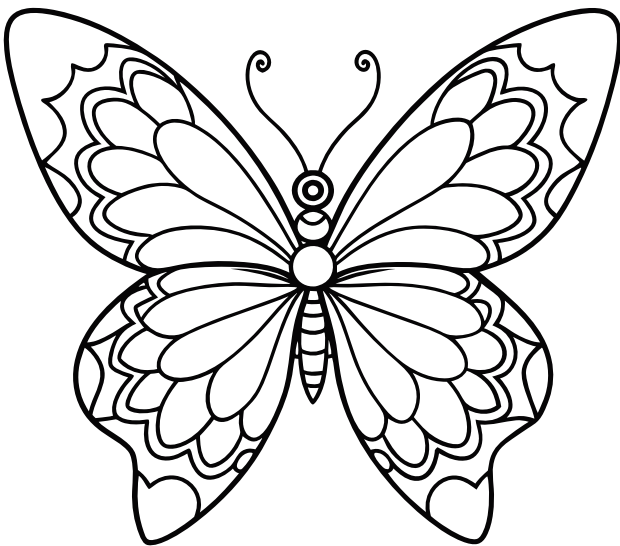
List three fun facts that you learned about insects.

1.

2.

3.

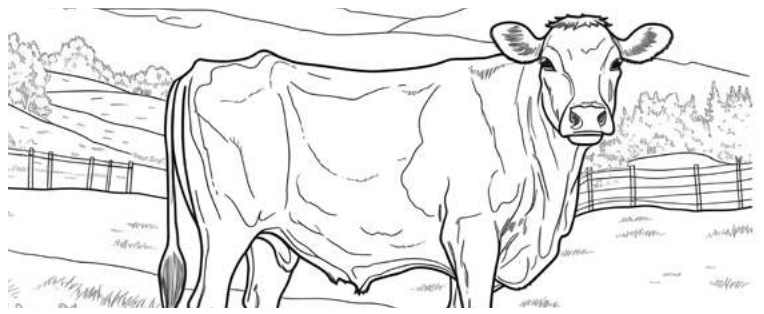
DESIGN YOUR OWN BUTTERFLY



DID YOU KNOW?

- Butterflies can't fly if they're cold.
- Butterflies taste with their feet.
- There are almost 20,000 species of butterfly.
- Butterflies have four wings,
- not two as you may think.

LIVESTOCK BARN



Learn About Beef Cattle

Cattle are _____ that are able to _____ into food & fiber.

_____ first chew their food to soften it, swallow it, and then return it to their mouth for continued chewing. This is called _____.

Cows will spent up to _____ hours a day Chewing their cud.

Answers:

EIGHT

CONVERT ROUGHAGE

RUMINANT ANIMALS

RUMINANTS

CHEWING THE CUD

Learn About Pigs

Pork is the _____ consumed animal worldwide.

_____ insulin, skin & _____ are used in _____.

_____ in the U.S. convert _____ into an _____.

Answers:

ENERGY SOURCE
HUMANS

#1
PIG FARMERS

HEART VALVES

PIG MANURE

PIG

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

LIVESTOCK TERMINOLOGY WORD SEARCH

Livestock
Rancher
Farmer
Calf
Barrow
Swine

Sow
Herd
Bull
Cow
Pig
Gilt

MILKING DEMONSTRATION



**Watch the cow milking demonstration.
Find out how many gallons of milk an average cow
will produce in one day.**

_____ gallons

One gallon = _____ oz

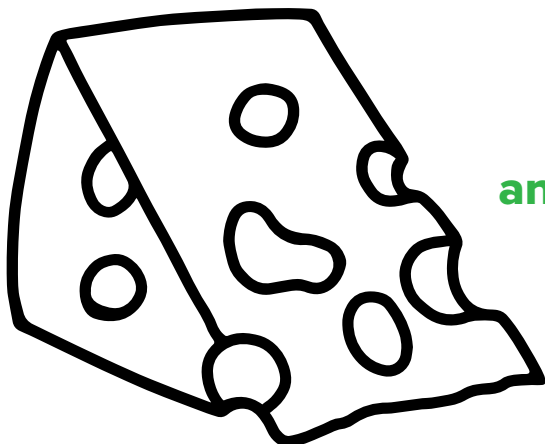
**How many 8 oz glasses of milk will an average cow
produce in one day?**

How many in one week?

How many in one year?

Number the steps of the milking process in order.

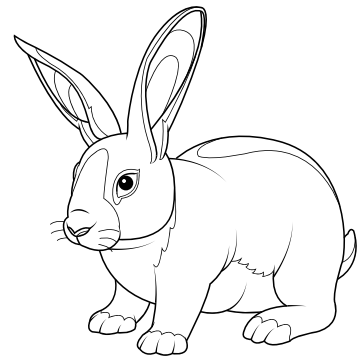
- _____ Use teat dip to sanitize teats before milking
- _____ Dry udder with towel
- _____ Attach milk machine & milk cow
- _____ Check milk for mastitis with a strip cup
- _____ Clean udder & teats
- _____ Remove milk machine
- _____ Dip teats to seal against bacteria



**Watch video
and tour a dairy farm**



POULTRY & RABBIT BARN



Does a chicken have teeth? **YES NO**

A male chicken over 1 year old is called a _____.

A male chicken under 1 year old is called a _____.

A female chicken over 1 year old is called a _____.

A female chicken under 1 year old is called a _____.

What is the term (word) used for all male chickens on a farm?

How many days does it take a chicken egg to hatch? _____

How many days does it take a duck egg to hatch? _____

What are the two red things hanging down off the chicken's neck under the beak? _____

RABBIT NURSERY

Did you see the baby rabbits in the nursery? **TRUE or FALSE**

How many babies did you see and what were they doing?

Eggs provide the highest quality protein you can buy?

RABBIT NURSERY

The hen determines the color of the eggshell?

What was your favorite breed of rabbit on display?

What did the rabbits look like?

AGRICULTURAL HALL OF FAME / AG SHOWCASE



Did you watch the Hologram Presentation of
“Time Travel Through Florida Agriculture”?

What fun fact did you learn about the History of Florida Agriculture?

Find the Bee Booth.

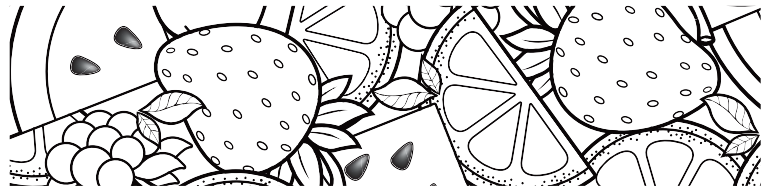
What is significant about the design/shapes on the
walls on the Bee booth?

Draw the shape of a bee-hive cell.

Name the geometric shape. _____

Sample the honey & See the Queen Bee!!!!

AG-VENTURE



What hands-on activity did you participate in & what did you learn?

1. _____
2. _____
3. _____

Visit the Florida Produce Stand

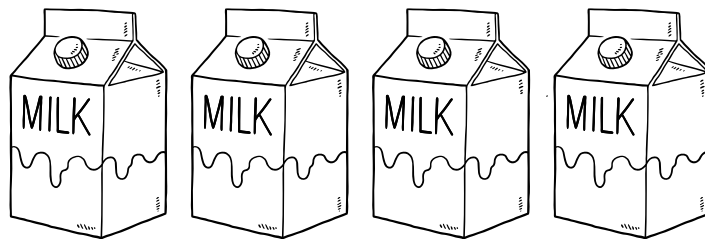
List some of the important fruits and vegetables that are produced in Florida .



List some Florida Produce that is grown during your birth month.

What is your favorite Florida Produce and what month is it grown?

DAIRY EXHIBIT



Did you see the Dairy Exhibit with the Giant Milk Carton?

13 WAYS MILK CAN HELP YOUR BODY

One serving of milk contains many of the essential nutrients your body needs, including:

CALCIUM 25% DAILY VALUE Helps build and maintain strong bones and teeth.	PROTEIN 16% DAILY VALUE Helps build and repair tissue. Helps maintain a healthy immune system.
VITAMIN D 15% DAILY VALUE Helps build and maintain strong bones and teeth. Helps maintain a healthy immune system.	PHOSPHORUS 20% DAILY VALUE Helps build and maintain strong bones and teeth, supports tissue growth.
VITAMIN A 15% DAILY VALUE Helps keep skin and eyes healthy; helps promote growth. Helps maintain a healthy immune system.	RIBOFLAVIN 30% DAILY VALUE Helps your body use carbohydrates, fats and protein for fuel.
VITAMIN B12 50% DAILY VALUE Helps with normal blood function, helps keep the nervous system healthy.	PANTOTHENIC ACID 20% DAILY VALUE Helps your body use carbohydrates, fats and protein for fuel.
NIACIN 15% DAILY VALUE Used in energy metabolism in the body.	ZINC 10% DAILY VALUE Helps maintain a healthy immune system, helps support normal growth and development and helps maintain healthy skin.
SELENIUM 10% DAILY VALUE Helps maintain a healthy immune system, helps regulate metabolism and helps protect healthy cells from damage.	IODINE 60% DAILY VALUE Necessary for proper bone and brain development during pregnancy and infancy; linked to cognitive function in childhood.
POTASSIUM* 10% DRI Helps maintain a healthy blood pressure and supports heart health. Helps regulate body fluid balance and helps maintain normal muscle function.	

*The % Daily Value (DV) tells you how much a nutrient in a serving of food contributes to a daily diet. 2,000 calories a day is used for general nutrition advice.

NDC
NATIONAL DAIRY COUNCIL
© 2020 National Dairy Council

Source: USDA FoodData Central online at <https://fdc.nal.usda.gov/>. Mean values calculated from database entries across all fat levels of whole, lowfat, and skim milk in Legacy, Foundation, and Survey (FNDDS) data sources.

How many essential nutrients are in real milk? _____

Can you list 3 of them?

1. _____
2. _____
3. _____

Make and shake some delicious butter!

Click here for kid-friendly recipes from the Florida Dairy Farmers, Inc.

SCAN FOR RECIPES



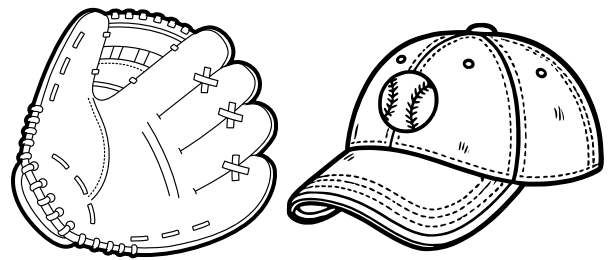
#CATTLETALES MILK facts!

- 99%** of U.S. households purchase milk
- 55.1%** more milk today compared to 1986 with fewer total cows
- 73%** of calcium in U.S. diets comes from milk and milk products
- 95%** of U.S. dairy farms are family-owned and operated
- 48** hours of leaving the farm
- 2/3** since 1960
- 9** essential nutrients and vitamins
- HYDRATED**
- FINGERPRINTS**
- SAME PROCESSOR AND LOCAL FARMS**

Most brands of milk you find in your local grocery store come from the SAME PROCESSOR AND LOCAL FARMS - there isn't a nutritional difference, just a price difference

FLORIDA STATE FAIR

LITTLE FARM HANDS



Become a farm hand and collect Agricultural products to take to the Market!!

List five Agricultural products that you picked up.

1. _____
2. _____
3. _____
4. _____
5. _____

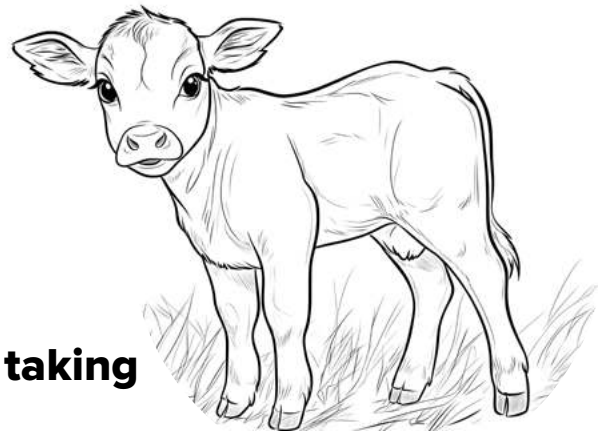
BEEF BY-PRODUCTS

When beef cattle are processed, over 98% of the animal is used. About 40% of the animal is used for meat, and the other 60% is used for by-products.

- Leather for boots, belts, hats and furniture
- Balls, gloves, and sports equipment
- Violin strings
- Tooth and hair brushes
- Buttons
- Sandpaper
- Piano keys
- Glue
- Wallpaper
- Over 100 pharmaceutical products
- Cosmetics
- Crayons
- Pet foods
- Gelatin and marshmallows.



MOOTERNITY WARD



Did you see a new born baby calf?

What questions did you ask the Farmer taking care of the cows and calf?

1. _____
2. _____
3. _____
4. _____
5. _____

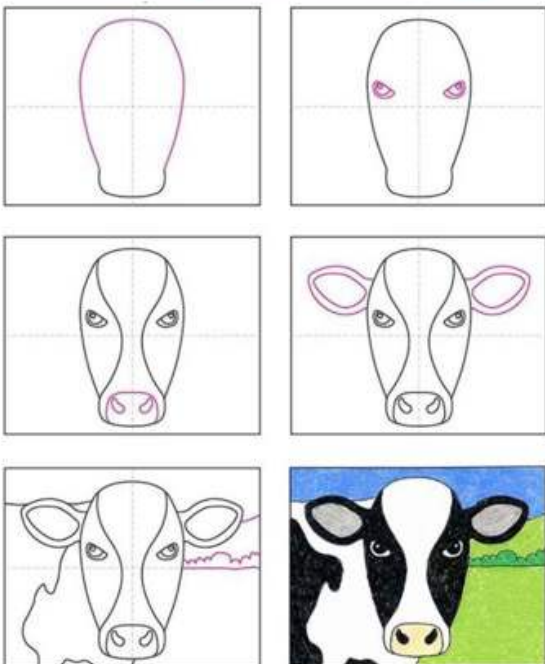
LEARN ABOUT DAIRY CATTLE

All **COWS** are **FEMALE** and **YOUNG COWS** are called **HEIFERS**. **MALES** are called **BULLS**.

A **HEIFER** is **PREGNANT** for about **NINE MONTHS** and gives birth to a **CALF**. After a **HEIFER** gives birth, it is called a **COW**.

How to Draw a Cow Face

Art Projects for Kids.org



FLORIDA LEARNING GARDEN

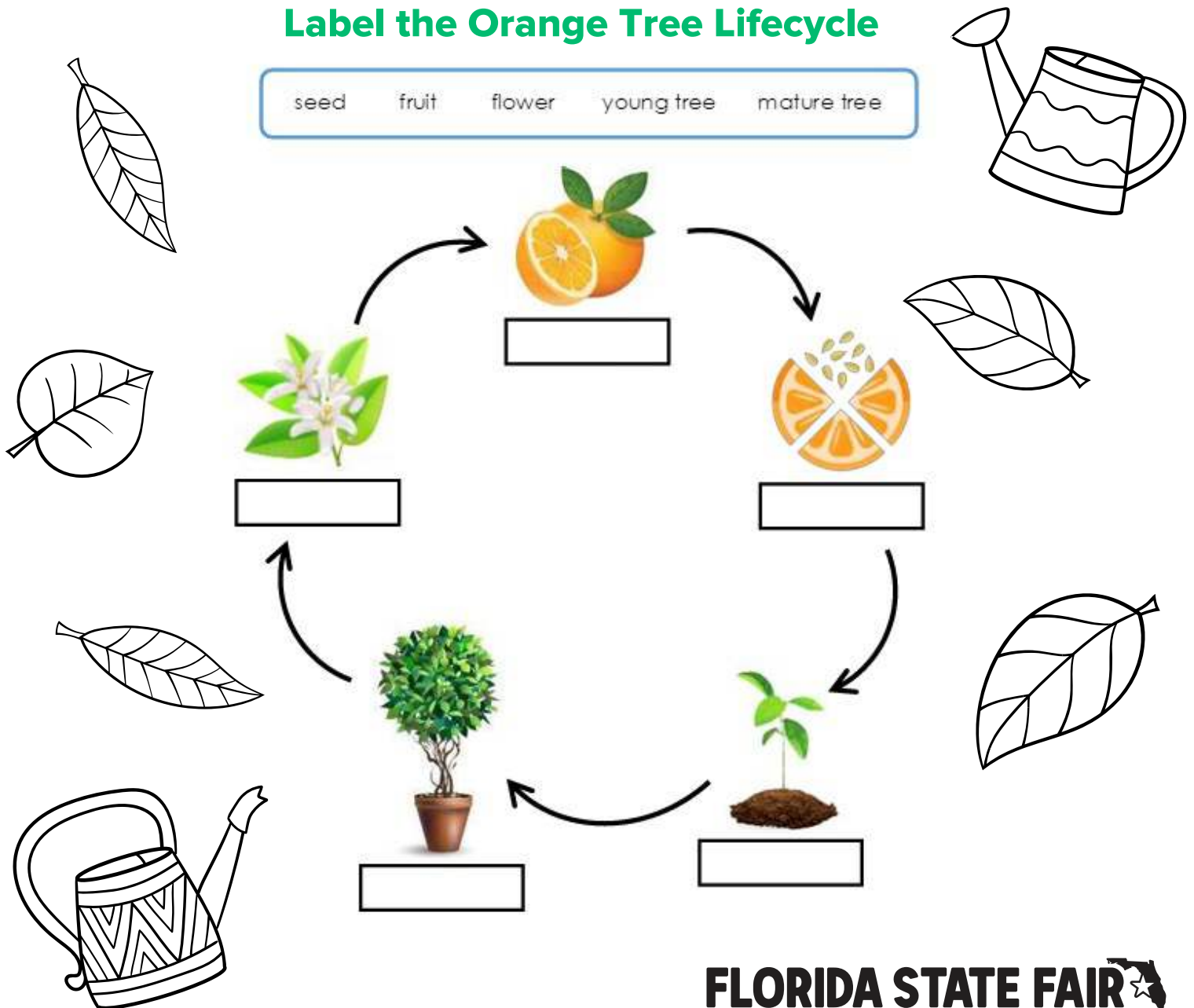


What is the name of the organization that is in partnership with the Florida State Fair to develop this Garden?

What was the name of the building you saw in the Garden?

Label the Orange Tree Lifecycle

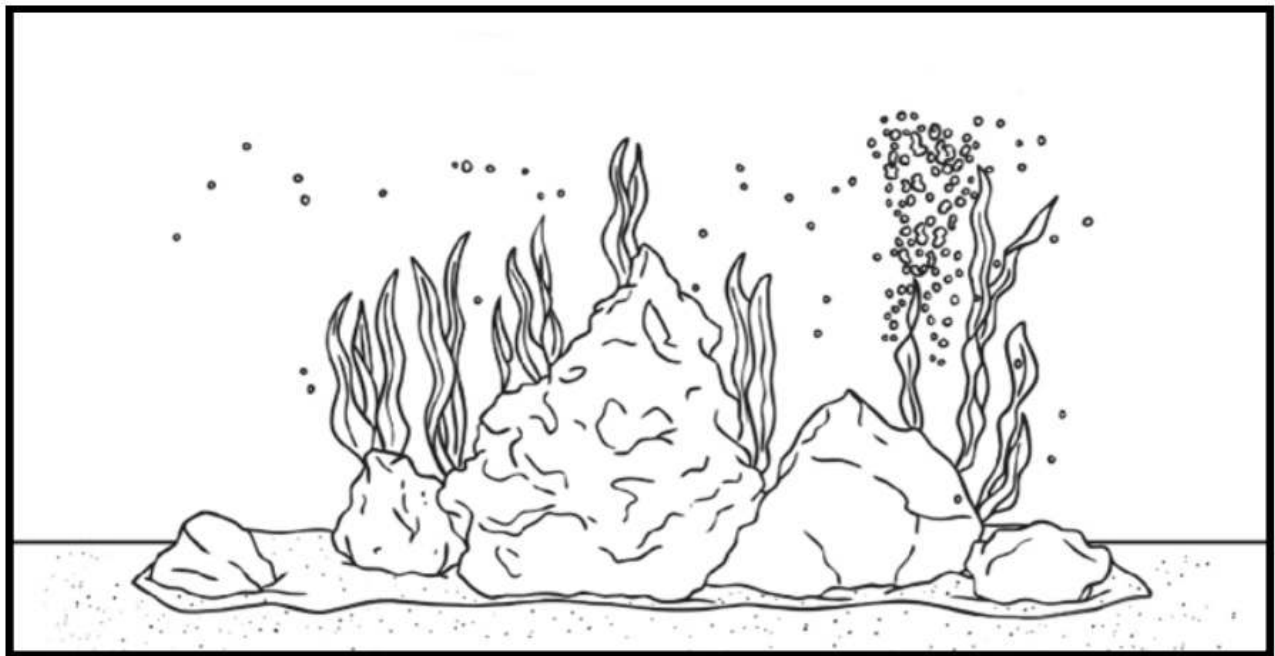
seed fruit flower young tree mature tree



Find a piece of art that was done by a student in Hillsborough County. Describe the piece of art and what you liked best about it.

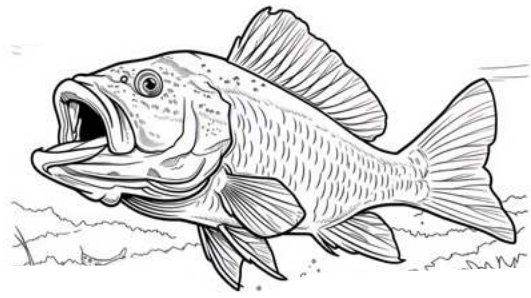
Did you see the Aquarium Exhibit? What did you like best?

Draw some pet fish inside the tank, then color it.



Write about your fish.

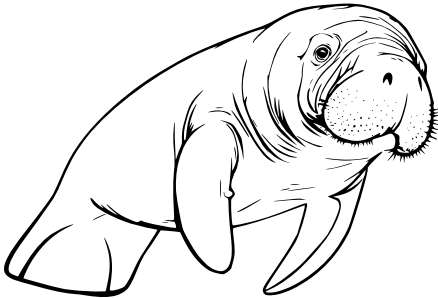
FLORIDA FISH AND WILDLIFE



The Mission of the Florida Fish & Wildlife Conservation Commission
Managing fish and wildlife resources for their long-term well-being and the benefit of people.

What is the main reason animals may become endangered?

What interesting facts did you learn about Florida Fish and Wildlife?



**LEARN MORE ABOUT
FLORIDA WILDLIFE**

SCAN TO LEARN

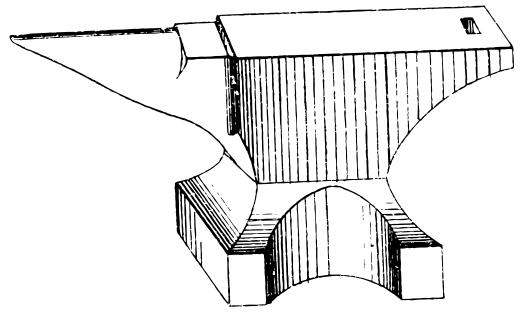


- **Species diversity**
- **Florida is home to over 700 terrestrial animals, more than 200 freshwater fish, and more than 1,000 marine fish. It's the seventh-most biodiverse state in the country and has many endemic species, meaning they're only found in Florida.**

Fishing

Florida is known as the Fishing Capital of the World. It has 3 million acres of lakes, ponds, and reservoirs, plus 12,000 miles of fishable rivers, streams, and canals.

CRACKER COUNTRY



OKAHUMPKA DEPOT

Why was the depot important to early farmers?

What were the three things primarily carried by trains?

1.

2.

3.

Draw a message loop and describe how it was used:

BLACKSMITH SHOP

Why was the person who ran this shop called a blacksmith?

Why does the blacksmith heat the metal with which he is working?

Draw two of the tools the blacksmith used and explain what the tools were used for.

THE SCHOOLHOUSE

Draw a map of the inside of the one room school house.

How is this school different than yours?

How is this school similar?

STEAM ENGINES

Watch the steam engines in operation.

Why were steam engines used?

Would it be practical for us to go back to using steam engines?

Why or why not?

Looking at the steam engines, can you find an example of these simple machines?

Check the box beside the name of the simple machines you found.

☐

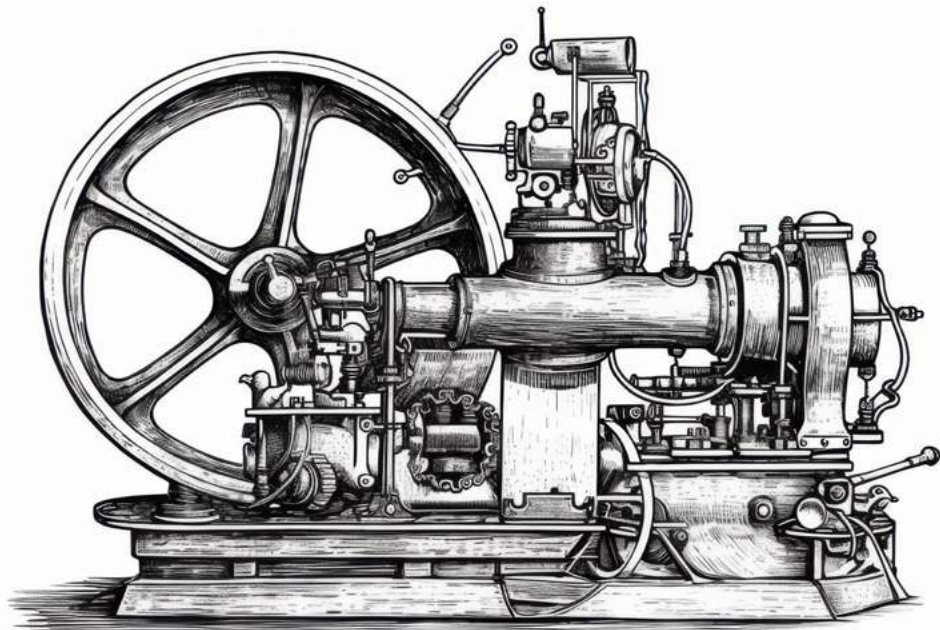
Pulley

☐

Fulcrum

☐

Lever



FLORIDA CATTLE RANCHING EXHIBIT



DID YOU KNOW?

Cattle were first introduced to North America in Florida in 1521 by Spanish explorer Juan Ponce de Leon.

Name one breed of Beef Animal that you saw

When you walked through the gate entry, what was hanging on the entry?

What was the breed of the mounted cow?

Did you touch the cow hide? How did it feel?

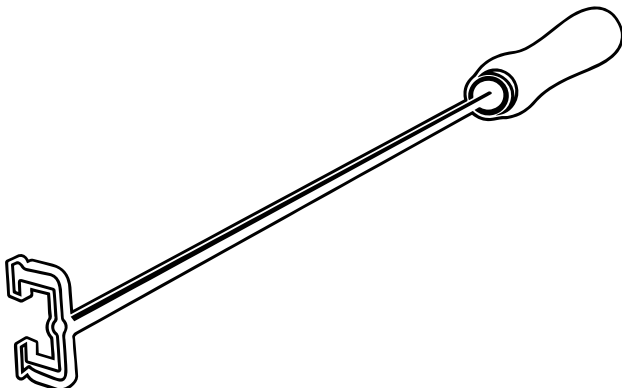
What do cowboys use spurs for?

Reading a Brand

Livestock branding has been going on for thousands of years, and probably longer. According to historians, an ancient Egyptian tomb painting depicting a cattle roundup and branding from 2700 BC is the earliest record of livestock branding that has been found. When cattle came across the Atlantic to our state so did cattle branding and it is a tool the Seminole Tribe continued.

So before fences weaved across the fields in Florida, ranchers continued to use brands to tell their cattle apart. Cattle roamed free and grazed big areas of land. Ranchers used letters, shapes, or pictures to mark ownership of their cattle. Today, brands are still used, but there are different ways to form a brand, hot branding, cold branding and tattoos.

Brands have their own language.



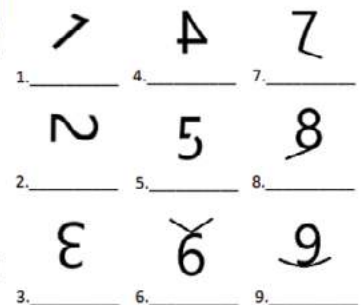
Your Turn To Practice

There are a few different ways to read the name of a brand:

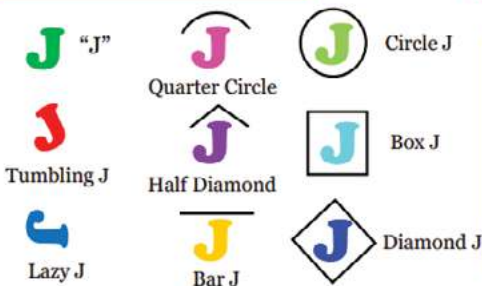
Left to right: —BQ is read as Bar B Q

Top to Bottom: ROAD read as Rail Road

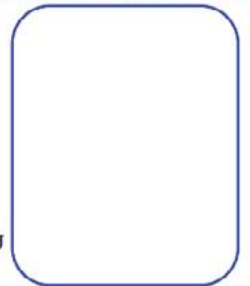
Outside to inside: ER is read as Box ER



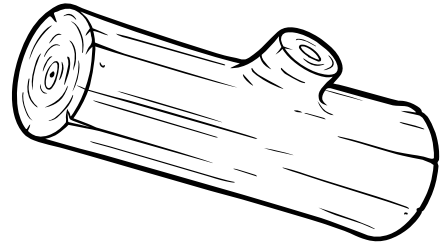
Some Parts of Brands



Create Your Own Brand



FLORIDA FOREST DISCOVERY CENTER



List 5 things made from trees:

1. _____
2. _____
3. _____
4. _____
5. _____

What University/College can you attend to learn to be a forester?

Name 3 Florida State Forests:

1. _____
2. _____
3. _____

What is prescribed (Rx) fire and why is it important?

GOODS FROM THE WOODS

DID YOU KNOW THAT TREES ARE USED IN 5000+ PRODUCTS?

Here's a small sampling of items...



Aspirin	Boxes	Cough syrup
Ice cream	Cleaning supplies	Shampoo
Skateboards	Flavorings	Dish washing liquid
Cell phones	Eyeglass frames	Orange soft drinks
Diapers	Carpet	Pine cleaners
Bug repellent	Plastic twines	Tea
Bandages	Computer casings	Rootbeer
Fishing tackle	Luggage	Chewing gum
Laundry detergent	Cellophane	Fat-free foods
Crayons	Baby food	Salad dressings
Paint	Cereal	Lip balm
Football helmets	Cork	Coated pills
Fireworks	Fabrics	Car wax
Glue	Poultry bedding	Furniture finishes
Sports drinks	Oil spill control agents	Spices
Shoe polish	Cancer drugs	Syrup
Soap	Musical Instruments	Liquid smoke
Cosmetics	Baseball bats	Turpentine
Concrete	Charcoal	Tires
Lotion	Canoe Paddles	Asphalt
Toothbrushes	Guitars	Toothpaste
Rayon	Swing sets	Hot chocolate
Fragrances	Crutches	Ping pong balls
Mulch	Sleds	Whole grain bread
Paper	Hair spray	Steering wheels
Tissue	Ink	Nuts



FLORIDA STATE FAIR 