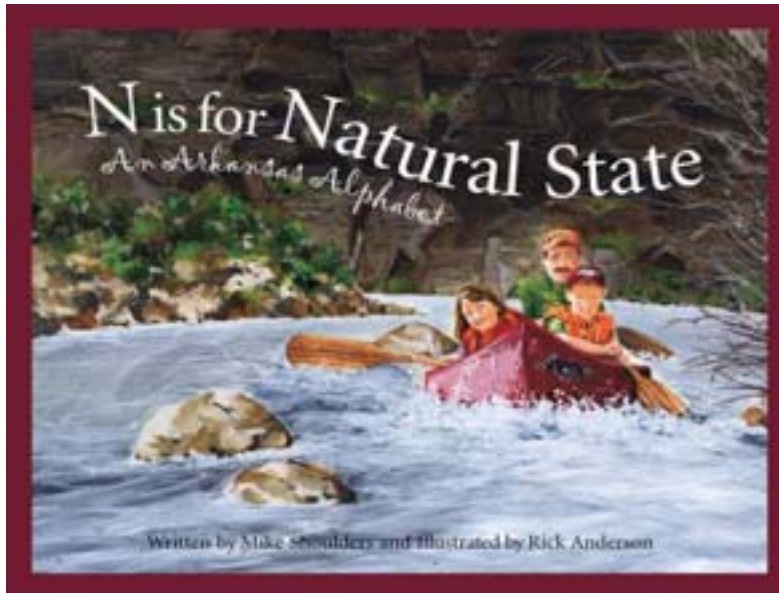


Teacher's Guide



N is for Natural State An Arkansas Alphabet

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Arkansas Product Map

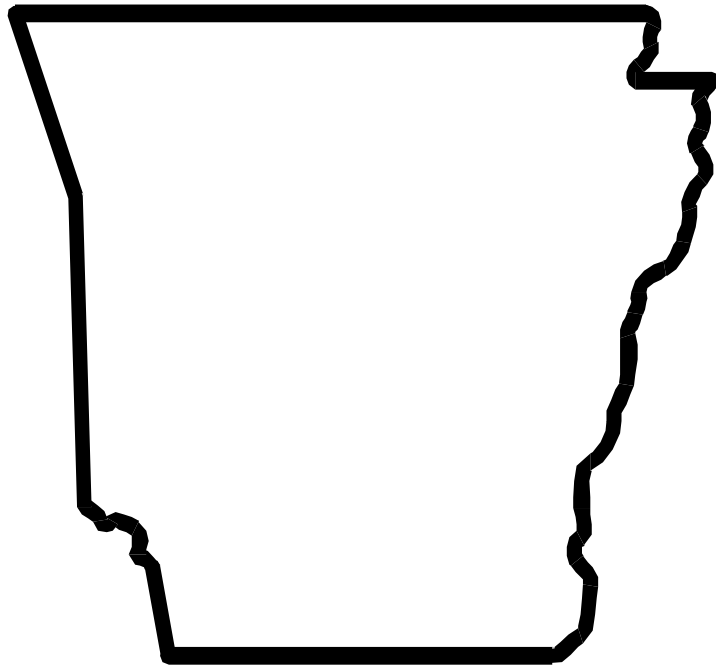
N is for Natural State states that Arkansas is a state that could survive on its own natural resources. That's pretty impressive!

Read the book and find all the natural resources in Arkansas.

- Make a product map of Arkansas.
- Draw a symbol for each product.
- Place the symbol in the part of the state where it is found.
- Color your map.

PLACE THE FOLLOWING ON THE MAP

- Soybeans—Mississippi Alluvial Plain
- Chickens—western part of the state
- Quartz—Quachita Mountains
- Trees—throughout half of the state



A
C
R
O
S
T
I
C
P
O
E
T
R
Y

The state of Arkansas is full of many beautiful and interesting places. To find out about some of these great spots read *N is for Natural State: An Arkansas Alphabet*.

Write an acrostic poem describing the beauty of Arkansas. Remember the first word of each line must start with the letter shown.

- Example- O outstanding parks
 H heavenly hills
 I interesting museums
 O orange leaves in the fall

A _____

R _____

K _____

A _____

N _____

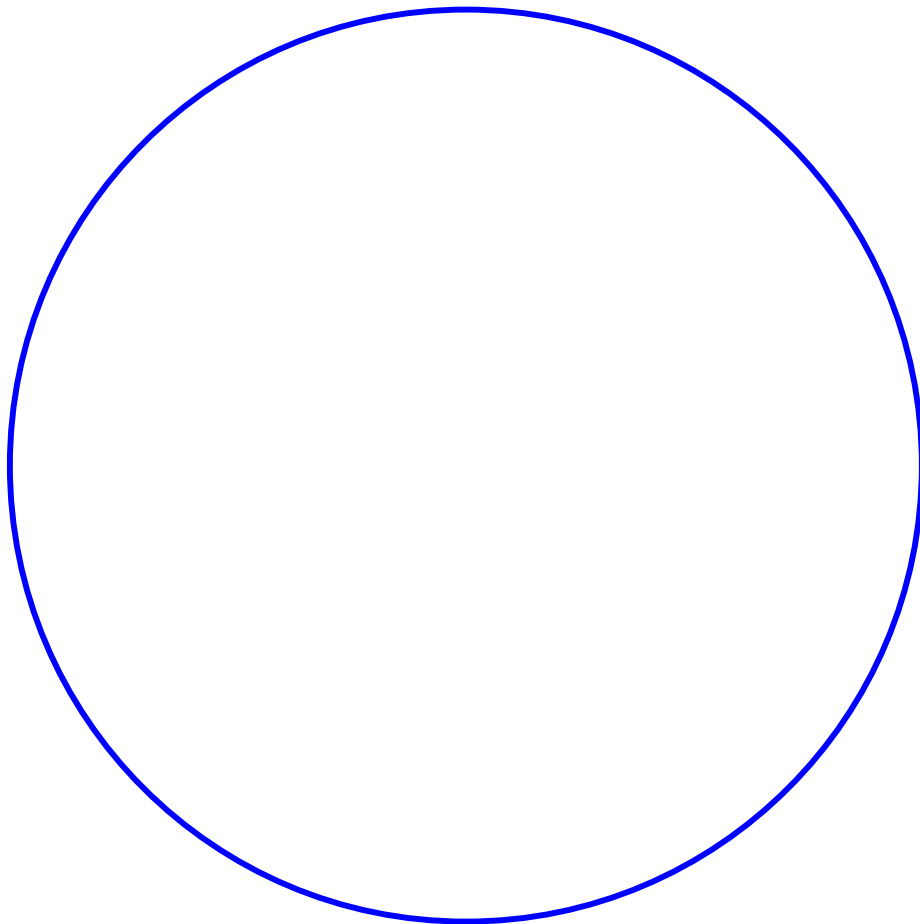
S _____

A _____

S _____

The Great Seal of Arkansas

The Great Seal of Arkansas has many symbols on it. There is a picture and explanation of the seal in *N is for Natural State*. This seal was adopted in 1864. That's a long time ago! If Arkansas decided it was time for a modern great seal, how would you design one? Give it a try.



On the back of this sheet, explain why you chose each symbol you put on your version of the great seal.



Fun in Nature Graph



Arkansas is called “The Natural State” because of the abundance of outdoor activities available. *N is for Natural State* will help you to learn more about Arkansas and the fun you can have outdoors.

Survey your class and see which of the following activities is their favorite.

Swimming

Boating

Fishing

Hiking

Show your results in a bar graph.

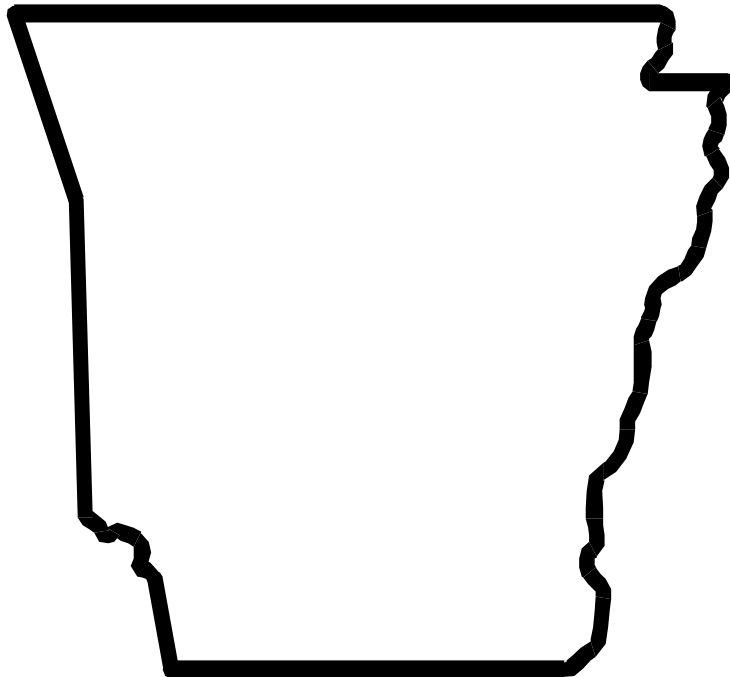
Label your graph. Use bright colors on the graph.

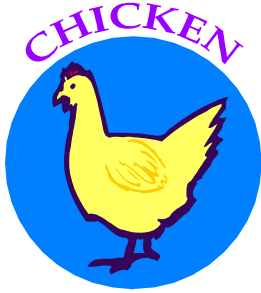
Speaking of Geography

On the map below, place the following geographic spots in the correct place.

Label each spot.

1. Capital of Arkansas
2. Draw in the borders and identify each state that touches Arkansas
3. Another town or city you have visited or would like to visit in Arkansas





Advertising Economics

If you want to sell a product you have to create a demand for your product. You have to convince people that they WANT your product.

One of the ways to entice people to buy your product is to advertise. You can read about how important poultry is to Arkansas in *N is for Natural State*.

Imagine you have been hired to design a new poster advertising the poultry industry in Arkansas. You want to encourage people to buy chickens from Arkansas. Remember a good advertisement will catch the reader's attention without too many words.

A picture is worth a thousand words. Make your advertisement colorful and easy to read.

Be Creative!!

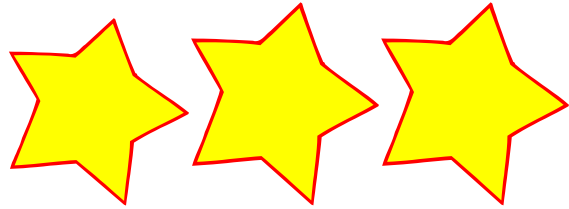
Design a Cavern



The Blanchard Spring Caverns are a spectacular site to visit in Arkansas. Read all about these fabulous caverns in *N is for Natural State*. Caverns can be very exciting.

Design your own cavern below. Don't forget the animals that might live in your cavern.

Dazzling Diamonds



Can you name the only state where diamonds are found? Why, it's Arkansas of course. You can read about the park where they are found in *N is for Natural State*. It's always fun to write statements that use alliteration.

Alliteration is the repeating of the beginning sounds in words like lucky, little, legumes.

Try using alliteration as you complete each of these thoughts. They can be serious or silly. Try some of each!

Dazzling diamonds _____.

Plenty of pearls _____.

Elephant earrings _____.

Funny frogs _____.

Fifty fleas _____.

Chunky chickens _____.

Many mockingbirds marched _____.

Rolling rice _____.

Busy bees buzz _____.

Awesome Arkansas Folks!

History tells us of many important people who were from Arkansas. Read the book *N is for Natural State* and you will learn about some of these famous folks.

Match each person with the reason they are famous.

- | | |
|-----------------------------------|--------------------------------|
| 1. ____ William Jefferson Clinton | A. French explorer |
| 2. ____ Dizzy Dean | B. Composer |
| 3. ____ Elizabeth Eckford | C. Pitcher |
| 4. ____ Archibald Yell | D. Second governor of Arkansas |
| 5. ____ Scott Joplin | E. 42nd U. S. president |
| 6. ____ Bernard de La Harpe | F. Integration pioneer |

Challenge

Name two more people from Arkansas that you think should be included in this list. _____.



Hawksbill Crag Math

If you like to hike, Hawksbill Crag in Arkansas might be just the place for you to visit. You can find out about this great hiking spot in *N is for Natural State*. Enjoy your reading and then try some math!

1. The Hawksbill Crag trail is 1.5 miles long. What is the total mileage you've walked if you go to the top and back down?

2. It takes Tom 15 minutes to walk $\frac{1}{2}$ a mile. How long will it take him to go round-trip on the trail? _____
3. Jenny, Ann, and Robin could only make it halfway up the trail before turning around and heading back down. What was the total distance walked by the three girls? _____
4. The round-trip hike takes most hikers 2 hours. If you left at 11:00 a.m. and spent 25 minutes eating lunch at the top of the trail, at what time would you get back to the bottom? _____
5. If it takes the blue team 10 minutes to walk $\frac{1}{2}$ mile and it takes the red team 20 minutes to walk a mile, who will get to the top of the trail first?

Write your own story problem about Hawksbill Crag.



It's Official...

The beautiful state of Arkansas has many official symbols to represent it. *N is for Natural State* will help you to find the symbols.

Name the symbol for each of the following:

1. insect _____

2. motto _____

3. bird _____

4. tree _____

5. flower _____

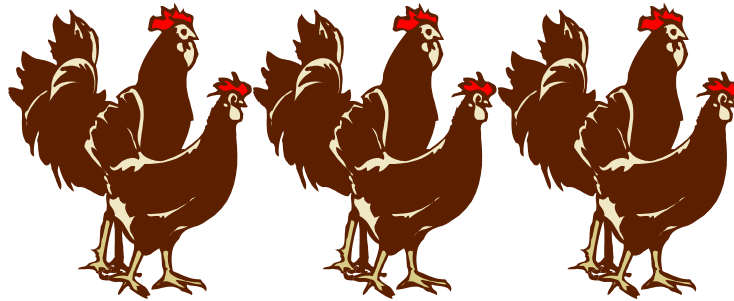
6. mineral _____

Choose three symbols from above and illustrate them on the back of this sheet.

Challenge-

Name two additional symbols that you think should represent Arkansas. _____ & _____

Here a chicken, There a chicken



The raising of poultry is a major industry in Arkansas. *N is for Natural State* will help you gain more information about this important industry.

There are many different breeds of chickens. Place the chicken breeds below in **alphabetical order**.

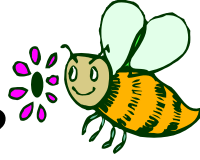
Rhode Island Red
Wyandotte
Cornish
Holland

Arucana
Swiss Hen
Plymouth Rock
White Leghorn

Brahamas
Polish
Dutch Bantam
Hamburgs

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____
11. _____
12. _____

Fact or Opinion?

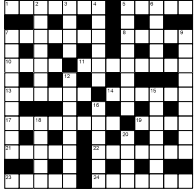


A fact can be proved right or wrong. An opinion shows the way a person thinks or feels.

The book *N is for Natural State* will help you to find which of the statements below are facts.

Put an F for fact or an O for opinion in front of each statement.

1. ____ Bill Clinton was the 42nd president of the United States.
2. ____ Scott Joplin was called "Father of Ragtime Music."
3. ____ Raising poultry is a very important industry in Arkansas.
4. ____ The Old Mill is the most beautiful place in Arkansas.
5. ____ Bill Clinton was the best president ever.
6. ____ The Razorbacks have the best football team in the nation.
7. ____ Soy is an ingredient in crayons.
8. ____ Five ships have been named Arkansas.
9. ____ The hot springs at Eureka Springs have healing power.
10. ____ Dizzy Dean is in the Baseball Hall of Fame.



Crossword Fun

N is for *Natural State* will help you solve this crossword puzzle. Have fun!

1. ___ ___ A ___ ___ ___
2. ___ ___ ___ ___ R ___ ___ ___
3. ___ ___ ___ K ___ ___ ___
4. ___ ___ A ___ ___ ___ ___
5. ___ ___ N ___ ___ ___ ___ ___
6. S ___ ___ ___ ___ ___ ___
7. ___ ___ A ___ ___ ___
8. ___ ___ ___ ___ S

1. Sioux word for “downstream place”
2. Job Bill Clinton had in Arkansas
3. Type of tree found in Arkansas
4. Precious gem
5. They pollinate flowers
6. Crop used for many products including milk
7. Native American tribe that lived in Kappa
8. City where Dizzy Dean was born

Arkansas Timeline



A timeline shows a series of events in the order in which they happened. This is called chronological order. Chronological order starts with the earliest event and works to the most recent event.

The following events are all found in *N is for Natural State*. Find the date for each event.

_____ Arkansas joined the United States.

_____ Mockingbird adopted as state bird.

_____ Scott Joplin born.

_____ Central High in Little Rock integrated.

_____ First diamond discovered in Arkansas.

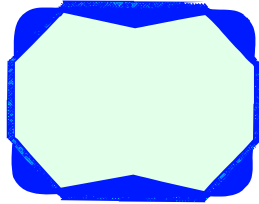
_____ State seal adopted.

Place these events on the following timeline in chronological order.

Arkansas Timeline



Grow Your Own Crystals



Quartz crystal is Arkansas' state mineral. After you read about the crystal in *N is for Natural State*, you can grow your own crystals.

Name the mountains in Arkansas where some of the world's purest quartz crystals are found.

_____ Mountains.

Recipe for Crystals

Materials

rock salt or sugar
boiling water
aluminum pie tins
cotton string (8 inches)
magnifying glass

Procedure

1. Dissolve 1 ounce of salt or sugar in 1 cup of boiling water.
2. Pour dissolved solution into the pie tin.
3. Place string into the solution, making sure to leave one end over the edge of the tin.
4. Set in a spot where it won't be affected by sun, heat, or air.
5. Leave for a few days.
6. Examine the crystals on your string with a magnifying glass.

Draw what you see

N is for Natural State

Answer Sheet

Awesome Arkansas Folks

1) E 2) C 3) F 4) D 5) B 6) A

Hawksbill Crag Math

1) 3 mi. 2) 1 1/2 hrs. 3) 4 1/2 mi. 4) 1:25 p.m. 5) tie

It's Official

1) honeybee 2) The People Rule 3) mockingbird 4) pine tree 5) apple blossom
6) quartz crystal

Here a chicken

1) Arucana 2) Brahamas 3) Cornish 4) Dutch Bantam 5) Hamburgs 6) Holland
7) Plymouth Rock 8) Polish 9) Rhode Island Red 10) Swiss Hen 11) White Leghorn
12) Wyandotte

Fact or Opinion

1) F 2) F 3) F 4) O 5) O 6) O 7) F 8) F 9) O 10) F

Crossword Fun

1) Acansa 2) governor 3) hickory 4) diamond 5) honeybees 6) soybeans
7) Quapaw 8) Lucas

Timeline

1836, 1864, 1868, 1906, 1929, 1957

Crystals

Quachita

Our 42nd President

William Jefferson Clinton

French Spoken Here

Spain and the United States

Correlations to Arkansas Curriculum Frameworks

Writing

Content Standard 1--Students will employ a wide range of strategies as they write and use different writing process elements appropriately to communicate with different audiences for a variety of purposes.

Rapping Arkansas Style

Sailing the Arkansas

Acrostic Poetry

Dazzling Diamonds

Fact or Opinion

Content Standard 2--Students will apply knowledge of language structure and language conventions to print and nonprint texts.

Here a chicken

Social Studies

Content Standard 1--Students will demonstrate an understanding of the chronology and concepts of history and identify and explain historical relationships.

How Did It Feel

Arkansas Timeline

The Great Seal of Arkansas

Content Standard 2--Students will demonstrate an understanding of how ideas, events, and conditions bring about change.

How Did It Feel

Our 42nd President

People, Places, Environment

Students will demonstrate an understanding of the significance of physical and cultural characteristics of places and world regions.

It's Official

Design a Cavern

French Spoken Here

Crossword Fun

Awesome Arkansas Folk

Production, Distribution, Consumption- Strand 1

Students will demonstrate an understanding that different economic systems and limited resources influence cooperation and conflict in decision making.

Advertising Economics
Arkansas Product Map

Strand 2- Students will demonstrate the ability to use the tools of the social sciences.

Speaking of Geography
Fun in Nature Graph

Science

Earth/Space Systems

Content Standard 2--Students will explore, demonstrate, communicate, apply, and evaluate knowledge of the properties of earth and space systems.

Grow Your Own Crystals