The ABCs of Oklahoma Agriculture

B

A

C

Coloring and Activity Book
Ag in the Classroom lessons use agriculture-related activities and research-based background material to teach National Standards in language arts, math, science, reading, social studies and visual arts. See P.A.S.S. chart on inside back cover.

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A is for ag.
Ag is short for agriculture. Agriculture is cultivating soil, producing crops and raising livestock.
Beef, it’s what’s for dinner®.
Beef has ZIP — Zinc, Iron, Protein.
Cotton is “the fabric of our lives.” Your blue jeans and t-shirts are made from cotton fibers. Cotton fibers grow on the seed of the cotton plant.
D is for dog.
Some dogs help sheep ranchers herd and protect their sheep.
E is for eggs.
Eggs are good for breakfast.
Hatching chicks from eggs is fun.
F is for feed.
In Oklahoma, we grow corn, oats, hay and grain sorghum to feed farm animals.
G is for greenhouse.
A greenhouse is a sheltered place to start new plants until they are ready to go outside.
H is for horses.
Horses are fun. In Oklahoma, we have race horses. Some horses help ranchers herd their cattle.
I is for insects.
Insects can be a farmer’s friend or enemy. The aphid is an enemy because it eats the farmer's plants. But the ladybug is a friend because it eats the aphids.
J is for jelly.
In Oklahoma we grow peaches, grapes, apples, strawberries and plums to make jelly.
K is for kabob.
Have you ever eaten a kabob grilled in the backyard with vegetables and meat? Yum - Yum!!
L is for legume.
Legumes are good for the soil and good for you. Soybeans, peanuts and green beans are legumes. You eat the seed of a legume.
M is for milk.
It makes a body grow. We get whipping cream, butter and cheese from milk.
N is for nuts.
The most common nut grown in Oklahoma is the pecan. Native pecans are very little, but quite tasty. Papershell pecans are larger, taste good and are easier to shell.
O is for Oklahoma, The Sooner State.
Oklahoma provides wheat and beef to help feed the world.

Oklahoma’s Top Ag Products
1. Cattle and Calves
2. Hogs & Pigs
3. Poultry & Eggs
4. Winter Wheat
5. Forest Products
6. Dairy Products
7. Greenhouse/Nursery
8. All Hay
9. Cotton Lint & Seed
10. Corn

as reported in 2005
Pork is "The other white meat®." Hernando DeSoto brought the first pigs to North America in 1539.
Q is for queen bee.
There is only one queen bee in each bee hive.
R is for rain.
Rain waters the crops that grow in Oklahoma.
S is for sheep.
Some sheep have wool. Some sheep have hair. Some sheep have both wool and hair.
T is for tractor.
Farmers drive tractors to pull equipment to farm the land.
U is for university.
Oklahoma State University and Langston University are land grant colleges. They help farmers and ranchers do their jobs better!

Langston Lion
Langston University

Pistol Pete
Oklahoma State University
V is for veterinarian.
A veterinarian is an animal doctor.
W is for wheat.
Hard red winter wheat makes delicious bread.
X is for xylotomy.
Xylotomy means cutting wood and getting it ready to study. You can count the rings to find out how old the tree is.
Y is for yam.
In the United States, a yam is called a sweet potato. Sweet potatoes grow well in sandy soil. Does your family eat sweet potatoes at your Thanksgiving dinner?
Z is for zucchini.
A zucchini is a vegetable and is a kind of squash. It is green and tastes very good raw or cooked. Zucchini grows very well in Oklahoma gardens.
Ag Word Search

Look for these words above:

CORN
COTTON
GRAIN SORGHUM
HAY
OATS
PEACHES
PEANUTS
PECANS
RYE
SOD PRODUCTION
SOYBEANS
WATERMELONS
WHEAT
Horses

Fill in the crossword with these words:

bridle  
equine  
filly  
gelding  
mane  
mare  
Quarter Horse  
rein  
rdeo  
saddle  
stallion  
thoroughbred  

There is one horse for every 10 people in Oklahoma.
Chickens

Fill in the crossword with these words:

beak  capon  chick  comb  coop  down  flock  fowl

hen  layer  pullet  rooster  scratch  spring chicken  wattles

The chicken is the closest living relative of the T-Rex.
Beef/Dairy

Fill in the crossword with these words:

beef  milk
bovine  moo
bull  polled
cow  steak
hamburger
heifer
horned

Each day, a cow spends six hours eating and eight hours chewing its cud.
Swine

Fill in the crossword with these words:

- bacon
- barrow
- boar
- ham
- oink
- pork
- sausage
- sow
- swine

Pigs can't sweat.
Sheep

Fill in the crossword with these words:

bah
lamb
lanolin
mutton
ram
sheep
wether
wool

Sheep are born with tails.
Amazing Animals
Ag Word Play

Write these words in ABC order on the barns:

hay     pasture     fence     wheat     barn     silo

1.  

2.  

3.  

4.  

5.  

6.
Barnyard Math

Count and write the number.

1. _______trees

2. _______shoes

3. _______bugs

4. _______tractors

5. _______vegetables

6. _______trucks
Ag Homophones

Draw lines from the words in the first column to the homophones in the second column.

bail      dew
bore      ewes
grays     bale
hoarse    boar
main      horse
bridal    steak
pale      gait
meet      mane
stake     bridle
do        herd
rain      pail
gate      meat
bowl      graze
flower    rein
use       boll
heard     flour
Lesson Activities and P.A.S.S. Correlation
For the ABC Coloring Book

Discuss the picture and how the object/picture relates to students' lives
Pre-K: Social Studies 3.1
Kindergarten: Speaking 2.1
Grade 1: Speaking 2.1, 2.2, 2.5, 2.7
Grade 2: Oral/Speaking 2.1, 3.2
Grade 3: Oral/Listening 1.1, 1.2, 2.1, 2.5, 3.2
Grade 4: Oral/Listening 1.2
Grade 5: Oral/Listening 3.2
Social Studies 7.5

Identify the basic shapes in each picture
Pre-K: Math 3.1
Kindergarten: Math 3.1
Grade 1: Math – Geometry 4.1b
Grade 2: Math – Geometry 4.1b

Identify the sounds made by animals in the pictures
Pre-K: Science – Life 3.3

Count the syllables in the Agriculture words
Kindergarten: Language Arts 2.2
Grade 1: Reading/Literature 2.1

Create a list of words that rhyme with the Agriculture words
Grade 1: Reading/Literature 2.1

Classify categories of words (ie. Which are the fruits/vegetables)
Grade 1: Reading/Literature 4.4
Grade 1,2,3,4: Science Process Standard 2.1
Grade 5,6,7,8: Science Process Standard 2.1

Create a simple poem about the picture
Grade 1: Writing 2.4
Grade 2: Writing 2.5
Grade 3: Writing 2.5
Grade 4: Writing 2.2

Recognize adjectives that describe the pictures
Grade 1: Writing 3.1e
Grade 2: Writing /Grammar 3.1g
Grade 3: Writing 3.1i
Grade 4: Writing 3.1h
Grade 5: Writing 3.1f
Grade 6: Writing 3.1e
Grade 7: Writing 3.1h
Grade 8: Writing 3.1f

Compare and contrast similar and/or different characteristics
Grade 1,2,3,4,5: Science Process Standard 1.2

Use of Homophones
Grade 2: Reading 3.2
Grade 3: Reading 2.3

Use of ABC Order
Grade 1: Reading 8.1a

17. Counting Objects
Pre-K: Math 2.2
Kindergarten: Math 2.4