The ABCs of Oklahoma Agriculture

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 Oklahoma C3 Standards and Common Core chart on inside back cover.

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Oklahoma Ag in the Classroom

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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

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. Pappershell 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.

Beef rules in Oklahoma!

Oklahoma's Top Ag Products
1. Cattle and Calves
2. Poultry & Eggs
3. Winter Wheat
4. All Hay
5. Hogs & Pigs
6. Dairy Products
7. Corn
8. Cotton Lint & Seed
9. Grain Sorghum
10. Soybeans

as reported in 2008
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
rodeo
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  steer
heifer
horned

Each day, a cow spends six hours eating and eight hours chewing her 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.

<table>
<thead>
<tr>
<th>bail</th>
<th>dew</th>
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<tbody>
<tr>
<td>bore</td>
<td>ewes</td>
</tr>
<tr>
<td>grays</td>
<td>bale</td>
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<td>hoarse</td>
<td>boar</td>
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<td>steak</td>
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<td>pail</td>
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<td>gate</td>
<td>meat</td>
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<td>bowl</td>
<td>graze</td>
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<td>flower</td>
<td>rein</td>
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<tr>
<td>use</td>
<td>boll</td>
</tr>
<tr>
<td>heard</td>
<td>flour</td>
</tr>
</tbody>
</table>
Lesson Activities and Oklahoma C3 and Common Core Standards
For the ABCs of Oklahoma Agriculture

**Color the picture**
Pre-K: Small Motor Skills 2.1
Kindergarten: Small Motor Skills 1.1, 1.2

**Identify basic economic concepts**
Pre-K: Social Studies 2.1, 2.3
Kindergarten: Social Studies 2.1, 2.3
Grade 1: Social Studies 2.2
Grade 2: Social Studies 2.1
Grade 3: Social Studies 2.3

**Identify Oklahoma on a map**
Pre-K: Social Studies 3.3
Kindergarten: Social Studies 3.3

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

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

**Classify a set of objects (ie. Which are the fruits/vegetables)**
Grade 1, 2, 3, 4, 5, 6, 7, 8: Science Process Standard 2.1

**Read the paragraph on each page**
Pre-K: Literacy 3.1, 3.2, 3.8, 3.9, 8.1
Kindergarten: K.RFS.1abc, 3c
Grade 1: 1.RFS.1, 4b
Grade 2: 2.RFS.4
Grade 3: 3.RFS.4
Grade 4: 4.RFS.4

**Write a story about the picture**
Pre-K: Writing 9.2, 9.3, 9.4
Kindergarten: K.W.1, 2
Grade 1: 1.W.1, 2
Grade 2: 2.W.1, 2
Grade 3: 3.W.1, 2
Grade 4: 4.W.1, 2
Grade 5: 5.W.1, 2

**Count the syllables in the Agriculture words**
Pre-K: Literacy 4.2
Kindergarten: K.RFS.2a
Grade 1: 1.RFS.3d

**Create a list of words that rhyme with the Agriculture words**
Pre-K: Literacy 4.1
Kindergarten: K.RFS.2a

**Recognize adjectives that describe the pictures**
Grade 1: 1.L.1f
Grade 2: 2.L.1e
Grade 3: 3.L.1g
Grade 4: 4.L.1d

**Use of Homophones**
Grade 2: 2.L.4
Grade 3: 3.L.4, 5

**Count objects**
Pre-K: Math 2.2, 4
Kindergarten: K.CC.3, 4

**Identify the basic shapes in each picture**
Pre-K: Math 3.1
Kindergarten: K.G.2

**Write an addition, subtraction, multiplication, or division numeral and word problem using the items in the picture**
Grade 1 - 4: Math Standards 1, 4, 6
Kindergarten: K.OA.1, 2
Grade 1: 1.OA.1
Grade 2: 2.OA.1
Grade 3: 3.OA.3
Grade 4: 4.OA.2