

Oklahoma Common Core Skills for Kay County Conservation District Programs

Contact: Susan Henning, 580-362-2438, [kayccd@conservation.ok.gov](mailto:kayccd@conservation.ok.gov)

Activity	Next Generation Science Standards	Oklahoma C3 Social Studies Standards
<b>Poster Contest Grades K-12</b>	K-ESS-3-3	K-3-1,2,3
<b>Theme: Local Heroes-Your Hardworking Pollinators</b>	2-ESS-2-1, 2, 3	1st-3-3
	3-ESS-3-1	2nd-3-2,3
Special Division for Special Ed	4-ESS-2-1,2	3rd-3-1C, E
	4-ESS-3-1,2	3rd-3-2C
<b>See Contest Rules for details</b>	5-PS-2-1, 5-ESS-2-1	3rd-4-9
<b>Deadline: October 2, 2015</b>	5-ESS-3-1	4th-1-1A, B
	MS-ESS-2-1, 2, 4	4th-1-3, 5
	MS-ESS-3-2, 3	
<b>Essay Contest Grades 6, 7, 8</b>	MS-ESS-2-1,2,4	ELA writing standards for 6,7,8
<b>Theme: Local Heroes-Your Hardworking Pollinators</b>	MS-ESS-3-2,3	<b>Deadline: 9/29/2015</b>
<b>Photography Contest Grades 1-12</b>	<b>Contest:11/6/2015</b>	
<b>See Contest Rules for details</b>		
<b>Puppet Shows K-4th Grade</b>		
<b>Big Drop the Raindrop</b>	K-LS-1-1, K-LS-2-1,2	K-3-1
Big Drop and the Three Little Drips	K-LS-3-1,3	
lead us through the Water Cycle and	1-LS-1-1	
the importance of water.	2-LS-2-1, 2-ESS-2-3	
Learn the Water Cycle Boogie	3-ESS-2-1, 3-ESS-3-1	
	4-LS-1-1	
<b>Hopper the Frog-Insects are Beneficial</b>	K-LS-1-1, K-ESS-2-2, 3-1	
<b>Hopper the Frog-Attracting Birds</b>	K-ESS-3-3	
Two different puppet shows featuring	1-LS-1-1,2	
Hopper the Frog telling about the	2-PS-1-1, 2-LS-2-2, 4-1	
importance of insects (more than frog	3-LS-1-1, 2-1, 3-2	
snacks) and how to establish habitat	3-LS-4-2,3,4	
for birds.	4-PS-4-3, 4-LS-1-1	
Learn the Butterfly Dance	4-ESS-3-2	
<b>Wiggle Worm the Earthworm</b>	K-LS-1-1, K-ESS-2-2	
Wiggle teaches how soil is made and	K-ESS-3-1,3	
how important it is to protect it.	1-LS-1-1	
	2-LS-2-1, 2-ESS-1-1, 2-1,	
	3-LS-1-1, 3-2, 4-2, 4-4	
	3-ESS-3-1, 4ESS-2-1, 3-2	
	4-PS-4-3, 4-LS-1-1	

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<b>Puppet Shows K-4th Grade (cont'd)</b>		
<b>Woodie the Oak Tree</b>	K-LS-1-1, K-ESS-2-2, 3-1	
Learn about trees from Woodie the Oak	K-ESS-3-3	
Tree and count the rings on our tree	1-LS-1-1	
cookies	2-PS-1-1, 2-LS-2-1,2	
	2-ESS-2-1	
	3-LS-1-1, 3-1, 3-2, 4-4	
	4-PS-3-2, 4-1	
	4-LS-1-1, 4-ESS-3-1	
<b>Centennial Puppet Show-Ag History</b>	K-ESS-2-1, K-ESS-3-1,3	K-3-2,3
A history of agriculture in Oklahoma	1-LS-1-1,2	1st-3-1
and the Dust Bowl. Also learn our	2-PS-1-1, 2-LS-2-1	2nd-3-4
state's emblems from OKIE the Farmer,	2-ESS-2-1	
Bessie the Cow, and Grandpa	3-LS-1-1, 3-LS-3-2, 4-4	3rd-2-2,3,3-2B, 3-2C, 4-9
	3-ESS-2-1, 3-ESS-3-1	
	4-LS-1-1, 4-ESS-2-1, 3-2	
<b>Our Food - From Around the World</b>	K-LS-1-1, K-ESS-3-1	K-3-1,2,3
Where does our food come from?	2-PS-1-1, 2-PS-1-2	1st-3-3
Students will practice mapping skills,	2-LS-2-1,2-LS-4-1	2nd-3-1, 3-3, 3-4
reading labels and making their own	3-LS-1-1,3-LS-3-2, 4-3,4	3rd-2-3, 3-1A,B,D
trail mix	3-ESS-2-2	
<b>Creatures of the Night</b>	K-LS-1-1, K-ESS-2-2, 3-1	
Nocturnal animals tell their stories: bat,	1-PS-4-2, 4-4	
owl, raccoon, luna moth, and firefly	1-LS-1-1, 1-ESS-1-2	
	2-LS-2-2, 4-1	
Herbivore, Carnivore, Omnivore	3-LS-1-1, 3-LS-4-3,4	
Nocturnal, Diurnal, Crepuscular	4-PS-4-2,3	
	4-LS-1-1,2	
<b>Enviroscape Models Grades 4-6</b>		
Fiberglass models of communities that	4-ESS-2-1, 3-1, 3-2	4th-1-5
make learning about environmental	5-PS-1-3, 2-1	
impacts and prevention, easy and fun.	5-LS-2-1	
Wetlands, non-source pollution, land-	5-ESS-2-1, 3-1	
fills, hazardous materials, riparian kits	MS-LS-2-3, 2-5	
available	MS-ESS-2-4, 3-2, 3-3, 3-4	

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Trunk Activities		
<b>Water Trunk Activities Grades 3-6</b>		
<b>Common Water</b>	3-LS-2-1	
A fun activity with sponges and a shared water supply to demonstrate water usage in pioneer versus modern times	4-ESS-3-1,2 5-PS-1-3, 5-ESS-3-1 MS-LS-2-1, 2-5 MS-ESS-2-4, 3-1, 3-3, 3-4	4th-1-5
<b>Pucker Effect</b>	3-LS-4-4	
Using the scientific method, discover where the toxic lemonade was left buried in a community. Use of pH, coordinate measurements, prediction and record taking.	4-ESS-3-1,2 5-PS-1-3, 2-1, 5-ESS-2-1 5-ESS-3-1 MS-LS-2-1, 2-5 MS-ESS-3-3	4th-1-5
<b>Aqua Bodies</b>	3-LS-4-3	
Importance of water in organisms. Compare weights of dried and fresh fruits and vegetables. Estimate water content of our bodies	4-LS-1-1,2 5-PS-1-3, 5-LS-1-1 MS-ESS-2-4	
<b>Soils Trunk Grades K-6</b>		
<b>Life Bracelets K-4</b>	K-PS-3-1,2, K-LS-1-1	
Beads for all life elements: sun, water animals, plants, soil, air	K-ESS-3-1 2-LS-2-1 4-PS-4-1	
<b>Dirt Babies K-4</b>	K-LS-1-1, K-ESS-3-1	
Create "Chia-like" pets and study the needs of plants	1-LS-1-1, 1-ESS-1-2 2-LS-2-1 3-LS-4-2 4-PS-4-1, 4-LS-1-1	
<b>Everything Comes From the Soil-Gr3-6</b>	3-LS-4-1	
What do a shoe, chocolate milk, pizza, paper, lumber, a carrot, oil, and coal have in common? They are relate back to the soil. Also the study of producers consumers and decomposers.	4-ESS-2-1, 3-1 5-PS-1-3, 3-1 5-LS-1-1, 2-1 5-ESS-2-1, 3-1 MS-PS-1-3 MS-LS-2-3, MS-ESS-1-4 MS-ESS-2-1, MS-ESS-3-1	

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Activity	Next Generation Science Standards	Oklahoma C3 Social Studies Standards
<b>Tree Trunk</b>		
<b>Tree Cookies Grades K-6</b>	K-PS-3-1,2, KS-LS-1-1	
Examine several cross sections of tree	K-ESS-3-1	
trunks to count the rings and identify	1-LS-1-1, 3-1, 1-ESS-1-2	
heartwood, cambium, sapwood,	2-PS-1-1, 2-LS-2-1	
phloem and bark. Relate rings to events	2-ESS-2-1	
in history and weather.	3-LS-1-1, 3-1, 3-2	
	3-LS-4-2, 4-3, 4-4	
	3-ESS-3-1	
	4-PS-3-2, 4-1, 4-LS-1-1	
Also available is identification of leaves,	4-ESS-3-1, 3-2	
measuring the height of a tree by ratio	5-PS-1-3, 3-1	
method or clinometer	5-LS-1-1, 2-1	
	5-ESS-2-1, 3-1	
	MS-PS-1-3	
	MS-LS-1-4, 1-5, 2-1, 2-2	
	MS-LS-2-3, 2-4, 2-5	
	MS-LS-4-2, MS-ESS-3-1	
	MS-ESS-3-3	
<b>Tree Factory Grades 3-6</b>		
Learn the basic working parts of a tree		
including xylem, phloem, cambium,		
leaves, roots, bark. Students act out		
the parts of a tree.		
<b>Every Tree for Itself Grades 3-6</b>		
Students pretend to be trees and		
compete for natural resources to show		
survivability		
<b>Take a Tree Seedling Home Grades 3-6</b>		
After introduction to trees and their		
needs and uses, students pot up a tree		
seedling to take home. Usually in April		
or May (Check for seedling availability)		

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Activity	Next Generation Science Standards	Oklahoma C3 Social Studies Standards
<b>Animal Trunk</b>		
<b>Skins and Skulls Grades 3-6</b>	3-LS-1-1, 3-LS-2-1, 3-1,2	
Ten mammal skins & corresponding	3-LS-4-2, 4-3, 4-4,	
skulls teach purpose of hairs, teeth to	4-PS-4-2, 4-3	
diet and eye placement for survivability	4-LS-1-1, 1-2,	
Vocabulary: carnivore, herbivore,	5-PS-1-3, 3-1	
omnivore, guard hairs, ground hairs,	MS-LS-1-4, 1-8	
whiskers, camouflage, signals, prey,		
predator.		
<b>Oklahoma Biodiversity Map Gr. 3-6</b>		3rd-2-2, 3-1A, 3-1C, 3-1D, 3-1E
Students map the major landforms,	3-LS-1-1, 3-2, 4-3, 4-4	4th-1-3
cities, climate, vegetation, and rainfall	4-ESS-2-2, 3-2	
zones, and wild animals of Oklahoma	5-PS-1-3, 5-LS-1-1	
	MS-LS-1-4, 2-1, 2-2, 2-4	
	MS-ESS-3-3	
<b>Oh Deer!</b>	3-LS-3-2, 4-2, 4-4	
An interactive game where students	4-PS-4-3, 4-LS-1-1, 1-2	
will identify and describe shelter, food,	5-PS-1-3, 5-LS-2-1	
and water as 3 essential components	MS-LS-1-4, 1-5, 2-1, 2-4	
of habitat, factors affecting carrying	MS-LS-2-5, 4-4	
capacity, define limiting factors, and	MS-ESS-3-3	
graph out the fluctuations in wildlife		
(deer) populations.		
<b>Geology Trunk Grades 3-6</b>	3-LS-4-1, 4-4	3rd-2-2, 2-3, 3-1C
Learn about igneous, sedimentary,	4-ESS-1-1, 2-1, 3-1	4th-1-1B, 1-4
metamorphic rocks. How rocks differ	5-PS-1-3, 2-1	
from minerals. Learn about Oklahoma's	5-ESS-2-1	
geological history, where dinosaurs	MS-PS-1-3	
lived, the state's highest point and	MS-LS-4-1, 4-2	
location and how it was formed.	MS-ESS-1-4, 2-1, 2-2, 2-3	
Why is oil found in Oklahoma?	MS-ESS-3-1,	
Look at some fossils found in Oklahoma		

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Activity	Next Generation Science Standards	Oklahoma C3 Social Studies Standards
<b>Plants Trunk Grades 3-6</b>		
<b>Making More Plants</b>	3-LS-1-1, 3-1, 3-2, 4-2	
Sexual and Asexual Reproduction of plants. Why humans depend on plants for food, shelter, medicines, etc.	4-PS-4-1, 4-2, 4-3	
Students will act out the process of pollination in a flowering plant	4-LS-1-1	
	5-PS-1-3, 3-1	
	5-LS-1-1	
	MS-LS-1-1, 1-4, 1-5, 3-2	
	MS-LS-4-4, 4-5	
<b>Monocots and Dicots</b>		
Discover the differences between monocot and dicot structures: cotyledon, endosperm, leaf venation germination, roots and stems, flower parts, seedpods or fruits. Be able to to identify examples.		
<b>Plants are Survivors</b>		
Discover the structures & mechanisms that help plants survive, how seeds are dispersed, what human inventions mimic plants.		
<b>Dust Bowl Presentation Grades 3-12</b>		
PowerPoint presentation on the history & causes of the 1930's Dust Bowl.	3-LS-4-4, 3-ESS-2-1, 3-1	3rd-3-2B, 3-2C, 4-9
Follow-up activities include map skills finding landmarks, cities, roads, and bodies of water in Kay County.	4-ESS-2-1, 2-2, 3-2	4th-1-3, 1-4, 1-5
Students will learn how to determine a location's legal address.	5-ESS-2-1, 3-1	6th-1-2, 1-3, 3-2, 3-3, 5-2B,
	MS-LS-2-1, 2-4, 2-5	5-5C
	MS-ESS-2-1, 2-2, 2-4	7th-1-2, 3-2
	MS-ESS-3-2, 3-3,	
	HS-LS-2-7	HS-5-4
<b>OETA "Dust Bowl" DVD for check-out</b>	HS-ESS3-1, 3, 4	
<b>Weather Station Data</b>		
Data taken every hour for temperature, humidity, rainfall, wind speed, and wind direction.		
Data can be used for "real time" Kay County weather data for math manipulators such as mean, median, mode, range, high, and low.		