

Wildlife Career Development Event

Revised December 2007

PURPOSE

The purpose of the State Wildlife CDE is to stimulate learning and increase knowledge of wildlife and the importance of management practices to secure wildlife for today and the future while exploring future job opportunities.

EVENT DESCRIPTION

This event will assess student knowledge and skills in areas of wildlife and habitat management. Skills in navigating wildlife habitat will be measured using GPS, maps, and or compass activities. A group activity will test ability of the students to work as a team to complete a task in specified amount of time.

TEAM MAKE-UP

A team will consist of four members with all scores counting toward the team score, with all being eligible for individual awards.

I. OBJECTIVES

- To test the students' ability to identify an animal by Hides/Feathers, Tracks, Skulls, Antlers/Horns, Scant, Sounds, Pictures, Mounts and Other signs an animal may leave behind
- Answer multiple choice questions on:
 - Habitat
 - Life Zones
 - Biology
 - Breeding Information
 - Special needs or Characteristics
- To motivate the learning in the classroom and create a spirit of competition.
- To provide recognition for students who excel in the area of wildlife management.
- To encourage career choice in wildlife and other related occupations.
- To bridge into the National FFA Environmental contest.

II. STANDARDS

1.1	27.1.1d	29.2.3d
9.4	27.4.3d	
9.8	27.4.4d	

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- Describe the ecology of natural resources
- Describe soil and water management practices
- Describe range management practices
- Demonstrate wildlife management practices

III. GENERAL RULES AND CONTENT

1. The wildlife management event will contain of a 50-100 question true/false and multiple-choice test of identification of animals and their signs with each question worth at 2 points each.
2. The contest will be set up to allow each question to be locate at a site with a flag posted and the corresponding number on it, with 30 seconds allowed at each site.
3. All tools and materials will be furnished by the UofA, unless noted by the CDE Faculty Chair. In the event an activity requires teams to furnish their own tool or special materials, an announcement will be forwarded to the State FFA Advisor for posting to the AZFFA.org web site.
4. All contestants will furnish their own clipboards and pencils.

IV. Written Exam

The Written Exam covers all subject matter areas as identified in the competencies description page. Each participant will complete 50 four-item, multiple-choice questions. Each participant will have 30 minutes to complete the questions. Questions will be drawn from sources listed in Reference Section.

V. Individual Problem Solving/Skill Activity

Each participant will complete a specific hands-on performance operation in a 15 minute time period. The CDE Faculty Chair may organize several work stations to accommodate a large number of contestants at one time. The problem solving/skill activity will focus on GPS, map interpretation, or compass use.

VI. Group Problem Solving / Skill Activity

A minimum of 3 team members required for a team score to be entered. At the chairman's discretion, individuals from different schools may be

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combined on site to create teams so individuals may earn a team score. The chair will identify and announce the Group Problem Solving / Skill Activity. Teams will be responsible for bringing specific tools or equipment as required to complete the project as announced by the event chair. 30 minutes per round depending on the number of teams.

VII. SCORING

- A. Species Identification - 60 items 2 points each; (120 points)
- B. Written Exam - 50 multiple choice questions, 2 points each (100 points) Questions will be drawn from sources listed in the References
- C. Individual Skill Activity – 100 points
 - 1. GPS, or
 - 2. Map Interpretation, or
 - 3. Compass
- D. Group Problem Solving Skills Activity – 100 points
- E. Team score can be given to all individuals, divided among the team members, or computed and scored separately from the individuals (similar to another class)
- F. Professionalism (Bonus) – 50 points
- G. Total Possible Points
 - 1. Individual = 470
 - 2. Team = 1,880

Classes	Individual	Team
Written Exam	100	400
Species/Habitat Identification	120	480
Individual Skill Activity	100	400
Group Problem Solving/Skills Activity	100	400
Professionalism	50	200
TOTAL	470	1,880

VIII. TIE BREAKER

The following activities will be used to break a tie between teams or individuals:

- 1. Species Identification
- 2. Individual Problem Solving/Skills score

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IX. WILDLIFE CDE SPECIES IDENTIFICATION LIST

Students should be prepared to identify wildlife species from the attached list by any of the following:

Pelts
Tracks
Skull
Feathers
Antlers
Voice Calls
Habitat
Reproduction and birthing periods
Native species to Arizona

Birds (76)

American Kestrel	Curved-Billed Thrasher	Phainopepla
American Widgeon	European Starling	Pigmy Owl Ferruginous
Ann's Hummingbird	Flicker	Pintail
Bald Eagle	Gambels Quail	Red Head Duck
Band-tailed Pigeon	Gila Woodpecker	Red-tailed Hawk
Barn Owl	Golden Eagle	Ring-necked Pheasant
Belted King Fisher	Grat Blue Heron	Road Runner
Beryline Hummingbird	Great Horned Owl	Robin
Black Chinned	Great-Tailed Grackle	Rock Dove
Hummingbird	Green Wing Teal	Rufus Hummingbird
Blue Grouse	Harrier Hawk Northern	Sandhill Crane
Blue Jay	Harris Hawk	Scaled Quail
Blue Wing Teal	House Sparrow	Snow Geese
Brown-headed Cow Bird	Inca Dove	Spotted Owl
Cactus Wren	Killdeer	Summer Tanager
California Condor	Lesser Night Hawk	Swainson's Hawk
California Quail	Magnificent Hummingbird	Turkey Vulture
Canadain Geese	Mallard	Vermillion Fly Catcher
Cardinal	Masked Bobwhite Quail	Western Blue Bird
Chucker	Meadow Lark	Western Burrowing Owl
Cinnamon Teal	Mearns Quail	White Necked Raven
Cliff Swallow	Mourning Dove	White wing Dove
Common Snipe	Northern Mocking Bird	Wild Turkey (Merriam's and Gould's)
Cooper's Hawk	Osprey	Willow Flycatcher
Coot	Peregrine Falcon	Wood Duck
Crested Caracara		
Crow		

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Plants (50)

Alkali Sacaton
Alligator Juniper
Annual Golden eye
Arizona Cotton Top
Arizona Madrone
Arizona Sycamore
Bermuda Grass
Black Grama
Blue Loco weed
Catclaw
Cattail
Cotton wood
Creosote Brush
Crested Wheat Grass
Curley Mesquite
Douglas Fur
Duck weed

Feather Finger Grass
Filaree
Giant Salvinia
Grape
Hairy Grama
Horse Milk weed
Johnson Grass
Lupine
Mallow
Manzantia
Mesquite
Mountain Mahogany
Ocotillo Cactus
Pinyon Pine
Ponderosa Pine
Raspberry
Russian Thistle

Sage Brush
Saguaro Cactus
Shrub Live Oak
Side Oats Grama
Six weeks Grama
Sprangle Top
Tamarisk
Tansy Mustard
Vine Mesquite
White Oak
Yucca
Quaking Aspen
Barrel Cactus
New Mexico Locust
Prickly Pear
Hackberry

Mammals (53)

Albert's tree Squirrel
Antelope Ground Squirrel
Antelope Jack Rabbit
Arizona Gray Squirrel
Badger
Beaver
Big Brown Bat
Black Bear
Black Footed Ferret
Black Tailed Jack Rabbit
Black Tailed Prairie Dog
Bobcat
Brown Rat
Buffalo
Burrow
Caribou
Cottontail Rabbit
Coyote

Deer Mouse
Desert Bighorn Sheep
Elk
Feral Hog
Fox Squirrel Chircahua
Gray Fox
Grizzly Bear
Jaguar
Javelina
Kangaroo Rat
Kit Fox
Long-Eared Myotis
Mexican Gray Wolf
Mexican Long Tongue Bat
Moose
Mountain Lion
Mule Deer
Muskrat

Ocelot
Pallid Bat
Pocket Gopher
Porcupine
Pronghorn Antelope
Raccoon
Red Squirrel
Ringtail Cat
River Otter
Rock Squirrel
Rocky Mt. Big Horn
Shrew
Spotted Skunk
Stripped Skunk
Western Red Bat
White tailed deer
Wild horse

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Reptiles (32)

Alligator
Arizona Coral Snake
Arizona Ridge Nose
Rattlesnake
Banded Rock Rattlesnake
Black-Tailed Rat
Box Turtle
California King Snake
Chuckwalla
Collard Lizard
Crocodile
Desert King Snake

Desert Tortoise
Garter Snake
Gila Monster
Gopher Snake
Horned Lizard
Massasauga Rattlesnake
Milk Snake
Mohave Rattlesnake
Painted Turtle
Regal Ring Neck Snake
Rosy Boa

Shovel Nose Snake
Side Winder Rattlesnake
Sonora Mt. King Snake
Spiny Soft Shell Turtle
Tiger Rattle Snake
Twin Spotted Rattlesnake
Western Banded Gecko
Western Diamondback Rattlesnake
Western Rattlesnake
Whip Tailed Lizard

Fish (39)

Apache Trout
Beautiful Shiner
Black Crappie
Blue Gill/Loach Minnow
Bonytail Chub
Brook Trout
Brown Trout
Buffalo Fish
Channel Catfish
Colorado Pikeminnow
Common Crap
Cutthroat Trout
Desert Pupfish

Desert Sucker
Flathead Catfish
Gila Chub
Gila Topminnow
Gila Trout
Grayling
Green Sunfish
Humpback Chub
Largemouth Bass
Northern Pike
Rainbow Trout
Razorback Chub
Redear Sunfish

Rountailed Chub
Smallmouth Bass
Sonora Sucker
Speckled Dace
Stripe Bass
Tilapia
Walleye
White Amur
White Crappie
Woundfin
Yaqui Catfish
Yaqui Chub
Yellow Perch

Amphibians (10)

Colorado River Toad
Sonoran Desert Toad
Sonoran Green Toad
Spadefoot Toad
Canyon Tree Frog
AZ Tree Frog
Chiricahua Leopard Frog
Sonoran Tiger Salamander
Bullfrog
Lowland Leopard Frog

State Wildlife Symbols

Mammal: Ringtail Cat
Bird: Cactus Wren
Fish: Apache Trout
Reptile: Ridgenosed Rattlesnake
Amphibian: AZ Treefrog
Butterfly: Two-tailed Swallowtail
Tree: Palo Verde

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