

# WILDLIFE CAREER DEVELOPMENT EVENT

Revised 08/122/21

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## **Purpose:**

To stimulate wildlife knowledge and instruction in the Agriculture Education curriculum.

## **Objectives:**

- I. To develop the ability to recognize environmental and social impacts of wildlife management in New Mexico.
  - A. Wildlife facts of New Mexico and the Southwest.
  - B. Importance of Wildlife Management.
  - C. Multiple Management and use of Wildlife Habitat.
    - 1) Forestry
    - 2) Watershed
    - 3) Aesthetic values
    - 4) Recreation
    - 5) Agriculture
- II. To develop the ability to understand and use wildlife management terms.
- III. To develop the ability to identify wildlife species of New Mexico.
- IV. To be able to understand and utilize practices and techniques used in wildlife management.
  - A. Habitat improvement
  - B. Censusing
  - C. Harvesting
  - D. Protection
- V. Non-Game Birds (Cooperative Extension publication)
  - A. Refuges
  - B. Migratory species
  - C. Special habitats
  - D. Wildlife damage control
- VI. Ability to diagnose wildlife problems.
  - A. Overpopulation
  - B. Disease
  - C. Environmental (Fire, Protection, Water)
  - D. Habitat destruction
- VII. Ability to understand wildlife population management.
  - A. Harvest
  - B. Protection
  - C. Stocking

## Common Core References:

### 7th Grade

**CCSS.ELA-Literacy.SL.7.2** Analyze the main ideas and supporting details presented in diverse media and formats (e.g., visually, quantitatively, orally) and explain how the ideas clarify a topic, text, or issue under study.

### 8th Grade

**MS-LS2-5.** Evaluate competing design solutions for maintaining biodiversity and ecosystem services.\*

### 9-10th Grade

**HS-LS2-8.** Evaluate the evidence for the role of group behavior on individual and species' chances to survive and reproduce.

### 11-12th Grade

**HS-ESS3-3.** Create a computational simulation to illustrate the relationships among management of natural resources, the sustainability of human populations, and biodiversity.

## Rules:

**\* This set of rules supersedes all previous versions**

1. Under no circumstances will any participant be allowed to touch or handle specimens during the event. Any infraction of this rule will be sufficient cause to eliminate the participant from the Career Development Event.
2. Observers will not be permitted in the event area while the event is in progress.
3. No chapter team, team member or team coach shall visit the event facilities to observe slides or specimens a month prior to the event.
4. Any participant caught cheating during the event will be, along with his or her team members, expelled from the event.
5. All participants are expected to be prompt at their stations throughout the event. No provisions will be made for tardiness. In most cases participants will lose points if they are late for an event.
6. Participants will be assigned to group leaders who will escort them to various staging sites. Each participant is to stay with his or her group leader throughout the event.
7. All participants will be given a participant number by which they will be designated throughout the event.
8. Written materials: Participants are expected to arrive at the event site with the appropriate answer sheets. Each individual is responsible for providing their own writing instrument however, participants are not allowed to bring additional items such as clipboards, paper or notebooks into the event area.
9. Team members: There will be four members to a team with the three highest scoring individuals making the team.

## Scoring:

### 1. General Knowledge (150 points)

Seventy-five objective-type multiple choice questions will be selected from areas of wildlife management reflected in the event objectives. Each question is worth two points. This phase of the event will test the participant's knowledge and understanding of basic principles. Each participant will be allowed fifty minutes to complete this phase of the event

Resources may be accessed at the New Mexico Game and Fish Department website <http://www.wildlife.state.nm.us/>

**References:** Wildlife Notes, Hunting Rules, Fishing Rules, Brochures and Links

**nmffa.org:** Scientific Names

### 2. Wildlife Species Identification (150 points)

Seventy-five slides of wildlife species will be shown for participants to identify by common name. Each slide is worth two points. Approximately fifteen seconds will be allowed for each slide.

**References:** Wildlife Notes, Hunting Rules, Fishing Rules, Brochures and Links

### 3. Wildlife Practicum (200 points)

Each participant will answer a question at each of the 40 lab stations. Each question is worth five (5) points. Questions will range from identification of tracks to recognition of antlers and horns. Approximately thirty seconds will be allowed at each station. Questions may be derived from contest references or relate to the species identification list.

**WILDLIFE SPECIES LIST**  
**Revised 10/24/18**

1	Brook trout	60	Wild Turkey	119	Opossum
2	Brown trout	61	Prairie chicken	120	Penasco Least Chipmunk
3	Rainbow trout	62	Scaled quail	121	Rock squirrel
4	Rio Grande cutthroat trout	63	Gambel's quail	122	Fox squirrel
5	Gila trout	64	Bobwhite quail	123	Gray squirrel
6	Channel catfish	65	Mearn's quail	124	Red squirrel
7	Flathead catfish	66	Ring-necked pheasant	125	Abert's squirrel
8	Yellow bullhead catfish	67	Blue grouse	126	Bat
9	Smallmouth bass	68	Band-tailed pigeon	127	Desert box turtle
10	Largemouth bass	69	Mourning dove	128	Common snapping turtle
11	Striped bass	70	White-winged dove	129	Alligator snapping turtle
12	Bluegill	71	White-tailed ptarmigan	130	Texas Horned lizard
13	Crappie	72	Black bear	131	Collared lizard
14	Crayfish	73	Bison	132	Grey Checkered Whiptail lizard
15	Kokanee salmon	74	Grizzly bear	133	Jemez. Salamander
16	Walleye	75	Moose	134	Gila monster
17	Carp	76	Pronghorn antelope	135	Skink
18	Sucker	77	Mule deer	136	Bullsnake
19	Northern pike	78	White-tailed deer	137	Diamondback rattlesnake
20	Longnose gar	79	Elk	138	Sonora wester coral snake
21	Canada goose	80	Rocky Mountain bighorn sheep	139	Garter snake
22	Tiger Muskle	81	Desert bighorn sheep	140	Ringneck snake
23	Snow goose	82	Javelina	141	Coachwhip
24	Mallard	83	Oryx	142	Western (prairie) rattlesnake
25	Pintail	84	Persian Ibx	143	Blacktailed rattlesnake
26	Shoveler	85	Barbary sheep	144	Hognose snake
27	Gadwall	86	Gray fox	145	Mojave rattlesnake
28	Wigeon	87	Swift fox	146	Bullfrog
29	Wood duck	88	Red fox	147	Arizona Tree Frog
30	Green-winged teal	89	Mexican Gray wolf	148	Pinon jay
31	Cinnamon teal	90	Coyote	149	Robin
32	Blue-winged teal	91	Bobcat	150	Red-winged blackbird
33	Canvasback	92	Mountain lion	151	Roadrunner
34	Lesser scaup	93	Jaguar	152	Broad-billed Hummingbird
35	Ring-necked duck	94	Raccoon	153	Brown thrasher
36	Common merganser	95	Ringtail	154	Crow
37	Hooded merganser	96	Coatimundi	155	House sparrow
38	Common goldeneye	97	Badger	156	House finch
39	Bufflehead	98	Striped skunk	157	Black-billed magpie
40	Redhead	99	Spotted skunk	158	Cardinal
41	Coot	100	Hognose skunk	159	Canyon wren
42	Ruddy duck	101	Beaver	160	Raven
43	Whooping crane	102	Muskrat	161	Chickadee
44	Sandhill crane	103	Norway rat	162	Eastern bluebird
45	Great blue heron	104	Black rat	163	Mountain bluebird
46	Least tern	105	Deer mouse	164	Flicker
47	Pied-billed grebe	106	Wood rat	165	Purple martin
48	Red-tailed hawk	107	Mexican vole	166	Ruby-throated hummingbird
49	Cooper's hawk	108	Yellowbelly marmot	167	European starling
50	Sharp-shinned hawk	109	Porcupine	168	Nighthawk
51	Swainson's hawk	110	Black-tailed Jackrabbit	169	White breasted nuthatch
52	Barn owl	111	Cottontail rabbit	170	Gila woodpecker
53	Western screech owl	112	Black-footed ferret	171	Rock dove
54	Golden eagle	113	Long-tailed weasel	172	Southwestern Willow flycatcher
55	Bald eagle	114	Prairie dog	173	Yellow-headed blackbird
56	Peregrine falcon	115	Southern pocket gopher	174	Eurasian Dove
57	Great horned owl	116	Kangaroo rat		
58	Burrowing owl	117	Mole		
59	Turkey vulture	118	Armadillo		

# References

## **New Mexico Game and Fish Department Website**

<http://www.wildlife.state.nm.us/>

(use the search function for a quick way to find these items)

Big Game Proclamation-Current year ending on 03/31/2019

Tugging on Habitat (from Procedure)

Wildlife notes for all species on the list

## ***From the Education Tab:***

### **Brochure and links tab:**

Living with large Predators

Wild turkeys of New Mexico

Mule Deer of New Mexico

Black Bear of New Mexico

Elk in New Mexico

Fishery- Fishing proclamation

Waterfowl and Upland game birds

Migratory Game bird proclamation

Quail in New Mexico

Sandhill Cranes in New Mexico

Furbearer

Reptiles