



Georgia FFA Association Wildlife Management CDE Junior Division

I. OVERVIEW

The Wildlife Management Career Development Event is an activity that provides opportunities for FFA members to demonstrate their technical and management skills relating to wildlife, habitat, and harvesting regulations.

II. PURPOSE

The purpose of the Wildlife Management CDE is to stimulate student interest and to promote wildlife management instruction in the agricultural education curriculum, and to provide recognition for those who have demonstrated skills and competencies as a result of instruction in wildlife management, forestry and natural resource management.

III. ELIGIBILITY

This event is open to students in grades 6-9 who are agricultural education students and are paid members of a chartered FFA chapter. Each member of the team must be a member of the chapter registering them, and each student's name must appear on the chapter's FFA roster at least 10 days prior to competition above the chapter level.

Chapters are limited to four (4) participants per team. The top two (2) teams from each of the six Area CDEs qualify for the State Wildlife Management CDE during the same year.

IV. SPECIAL NEEDS REQUEST

To report any special needs or request special services for a student to compete in a Career Development Event or FFA Award area (Area or State level), it is the responsibility of the FFA advisor to provide a detailed and specific request and explanation in writing. Requests should include written documentation from the school system verifying the IEP and need being requested. Written requests must be submitted to the CDE Superintendent prior to registering for the CDE/event (at least 3 weeks prior to the date of competition).

V. RULES

1. All general FFA CDE rules apply to this contest event.
2. Teams shall be comprised of four members. All four individual scores count towards team score.
3. Participants will not be allowed to handle any of the items in the identification portion of the practicums unless otherwise instructed. Any infraction of this rule will be sufficient to eliminate a team from the event.
4. Participants must be prepared for adverse weather conditions.
5. All written materials will be furnished for the event. No written materials such as tests, problems, and worksheets shall be removed from the event site.
6. Each team member will compete in all 4 practicum events.
7. The time limit for the team activity will be sixty (60) minutes at the state level.
8. The time limit for each Wildlife Management CDE practicum will be thirty (30) minutes.
9. No cell phones may be used during this competition.
10. Score sheets **will not** be given out by judges prior to announcement of the winners. The decisions of the judges are **final**.



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VI. EQUIPMENT

Materials student must provide – Each participant must have a clean clipboard, two sharpened pencils, and may have an electronic calculator. Calculators used in this event should be non-programmable with only these functions – addition, subtraction, multiplication, division, equals, percent, square root, +/- key, and one memory register. No other calculators are allowed to be used during the event.

Each participant must bring his or her own instruments needed for those particular events. If there is a question as to whether a particular piece of equipment will be allowed, the decision will be made by the Area Forestry Teachers.

Provided – Participants will be provided with blank score sheets and exams, if applicable, to complete this event.

VII. EVENT FORMAT

A. Wildlife Management Team Activity (400 points)- State CDE Only

Teams will participate in the following activity as a collaborative activity. Maximum of 400 points can be earned for this event. Each team will perform tasks normally performed in some phase of the wildlife industry requiring teamwork to complete the objectives. These tasks will be described in situational terms for presentation to each team. Sixty minutes (60) will be allowed to plan and complete the activity. Tasks may be drawn from the following list of activities and may be a combination of these:

Aquatic Identification	Plant Identification
Boating Regulations	Pond Management
Equipment Identification	Whitetail Deer Management
Fishing Regulations	Game Bird Biology
Hunting Regulations	Wildlife Identification
Wildlife Management Lesson Plans	

B. Individual Activities

1. Whitetail Deer Management (100 points)

Each participant will be required to demonstrate expertise in the following areas: standard objectives, jawbone aging, antler scoring, and whitetail management techniques.

Standard Objectives

1. Maximum Population Objective
2. Maximum Harvest Objective
3. Quality Deer Objective
4. Trophy Buck Objective



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Techniques:

Students will be provided no more than 20 opportunities to measure antlers, age jawbones, or answer deer management questions.

Jawbones are *typically* aged in ½ year increments. For example, a sample would probably be scored by a student as either 6 months, 1 ½, 2 ½, or 3 ½ year old set. Any jawbone aged either 4 ½ or older will be identified as 4 ½ plus. These items will be graded either correct or incorrect.

Deer Management will be questions related to Whitetail Deer Management from the following reference: Deer Herd Management for Georgia Hunters: Harvest & Habitat Guidelines from the Georgia Department of Natural Resources. Items will be graded either correct or incorrect. Section will be in multiple choice formats.

Antler Measurement: Participants will be required to measure lengths from an antler rack. Measurements may include G1, G2, G3, G4, G5, G6, G7, H1, H2, H3, H4, tip to tip spread, greatest spread, inside spread of main beams, or length of main beam. Answers should be reported to the nearest 1/8 inch. Answer choices will be given in no less than 2/8" increments, no partial credit will be given. An antler scoring rubric can be found at: http://www.boone-crockett.org/pdf/SC_whitetail_typical.pdf.

2. Game Bird Biology (100 points)

Each participant will be required to demonstrate expertise in two areas related to Game Bird Biology: Call Identification and Game Bird Management.

Call Identification: Participants will listen to five (5) calls and identify the **game bird**. Game bird species are listed below. The calls may be pre-recorded or performed by an expert.

Grading: These items will be graded either correct or incorrect. Five (5) points will be given for each question correctly marked.

Game Bird Management: No more than fifteen (15) multiple choice questions pertaining to game bird habitats, life cycles, and feeding habits will be provided. Samples may include pictures, tracks, scat, feathers, and other items to identify the species, or sex of game birds. Questions are to test student's knowledge of each of the species listed below. Questions will be taken from the Game Bird Management Test Information put on the Wildlife Management CDE section of the Ag. Ed. website.

Grading: Five (5) points will be given for each question correctly marked. A total of 100 points will be awarded in this area. No partial credit will be given.



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Game Bird Species

American Coot
Blue-winged Teal
Bobwhite Quail
Canada Goose
Crow

Green-winged Teal
Hooded Merganser
Mallard
Mourning Dove
Redhead

Ring-necked Duck
Ruffed Grouse
Wild Turkey
Wood Duck
Woodcock

3. General Identification (100 points)

Students will identify no more than 25 items from the following combined areas. Students will receive an appropriate score for each item depending on the number of items presented. Students may be required to identify the item from actual samples, a mounted or preserved sample, a photograph, a written description or a sign of the items, such as a track or a fruit or cone. A word bank will be provided to students at the competition.

General Wildlife Species

Armadillo
Barred Owl
Bat
Black Bear
Bobcat
Canebrake Rattlesnake
Cooper's Hawk
Copperhead Snake
Coral Snake
Corn Snake
Coyote
Eastern Bluebird

Eastern Cottontail Rabbit
Eastern Diamondback
Rattlesnake
Eastern Hognose Snake
Feral Hog
Field Mouse
Squirrel
Garter Snake
Great Horned Owl
Fox
Kestrel
King Snake

Mole
Opossum
Pygmy Rattlesnake
Raccoon
Red-cockaded Woodpecker
Redtail Hawk
Ruby Throated Hummingbird
Screech Owl
Skunk



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Wildlife Plant Species

American Beautyberry	Forage Chicory	Pigweed
Austrian Winter Pea	Grain Sorghum	Plum
Beggarweed	Greenbrier	Post Oak
Black Cherry	Honeylocust	Ragweed
Blackberry	Japanese Honeysuckle	Ryegrass
Blackgum	Kudzu	Sawtooth Oak
Blueberries	Lespedeza	Southern Red Oak
Browntop Millet	Live Oak	Soybeans
Chestnut Oak	Longleaf Pine	Sparkleberry
Chinaberry	Hickory	Turkey Oak
Chufa	Mulberry	Turnips
Clover	Northern Red Oak	Vetch
Corn	Oats	Wheat
Cowpeas	Partridge Pea	White Oak
Dove Proso	Peanuts	Wild Grape
Crabapple	Pecan	
Flowering Dogwood	Persimmon	

Wildlife Equipment

Compass	Drip Torch	Logger's Tape
Backpack Sprayer	Gambrel	Mammal Traps
Broadcast Spreader	Game Feeder	Prism
Clinometer	GPS Unit	Range Finder
Cultipacker	Grain Drill	Soil Sampling Auger
Disk Harrow	Jawbone Extractor	Wind Speed Meter

Grading: These items will be graded either correct or incorrect, with students receiving appropriate score on each item. A total of 100 points will be awarded in this area. No more than 25 items will be displayed.

4. Aquatic Management (100 points)

Each participant will be required to demonstrate expertise in two activities related to Aquatic Management: Pond Management and Aquatic Identification.

Participants will be required to answer no more than twenty-five (25) items pertaining to pond management and aquatic identification. Questions will be in multiple choice format. A total of 100 points may be earned for this section. Test questions will be developed from: Sport Fish Management in Ponds from the UGA extension service..

https://secure.caes.uga.edu/extension/publications/files/pdf/B%20732_1.PDF

Specimens could include the actual items, mounted specimens, pictures, drawings, bones, fins, etc. Participants may also be required to answer questions on habitat, fishing regulations, preferred foods, and use of equipment. A word bank may be provided. No partial credit will be given.



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Aquatic Identification

Alligator
Alligator Snapping Turtle
Baldcypress
Banded/Northern Water Snake
Beaver
Black Crappie
Bluegill
Bowfin
Brook Trout
Brown Trout
Bullfrog
Buttonbush
Catalpa
Cattails (*Typha* Spp.)
Chain Pickerel
Channel Catfish
Common Snapping Turtle
Cottonmouth
Crayfish
Elderberry
Flathead Catfish
Gar
Shad
Grass Carp
Great Blue Heron
Hybrid Striped Bass
Largemouth Bass
Muskrat
Nutria
Pondcypress
Rainbow Trout
Redbreast Sunfish
Redear Sunfish
River Otter
Secchi Disk
Smallmouth Bass
Smartweed
Striped Bass
Warmouth
Water Oak
Water Primrose
Water Test Kit
Waterlilly
Slider Turtle



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Grading: These items will be graded either correct or incorrect, with students receiving appropriate score on each item. A total of 100 points may be earned for this section.

VIII. SCORING

PHASE	INDIVIDUAL POINTS	TEAM POINTS
*Team Activity (State Only)	NA	400
White-tail Deer	100	400
Game Bird Biology	100	400
General Wildlife Identification	100	400
Aquatic Management	100	400

Total Team Points 2000

*This activity is only conducted as a phase of the State Wildlife Management CDE and is not a requirement of the Area Wildlife Management CDEs. The total points allowed at an Area Wildlife Management CDE are 1600 points, and the total points allowed at the State Wildlife Management CDE are 2000 points.

IX. TIEBREAKERS

Team tiebreaker will be settled in the following order:

1. Tiebreakers for teams will be the team with the highest score on the team event
2. Team with the highest general identification score (total of the 4 individual scores)
3. Team with the highest individual score
4. Team with the next highest individual score (continue until tie is broken).

Individual tiebreaker will be settled in the following order:

1. The tiebreaker for high individual is highest score on general identification
2. Individual with highest score on aquatic management
3. Individual with highest score on whitetail deer management
4. Individual with highest score on game bird biology.
5. Predetermined questions if needed

X. AWARDS

Awards shall be determined each year by the Board of Trustees of the Georgia FFA Foundation. This event at the state level is made possible through the Georgia FFA Foundation as a special project of an industry sponsor or from the Foundation general fund. Minimum awards will recognize the first three places of individuals in each activity, and the first and second place teams at the state level. Area awards will be dependent on sponsorship of these events.



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XI. REFERENCES:

1. Team Activity
 - a. Georgia Agricultural Education Website, Georgia Department of Education (www.gaaged.org).
 - b. Georgia Hunting Seasons & Regulations. Current Issue. Georgia Department of Natural Resources.
 - c. Georgia Sport Fishing Regulations. Current Issue. Georgia Department of Natural Resources.
 - d. Georgia Wildlife Resources. <http://www.georgiawildlife.org/>
 - e. Any of the references listed below may be used.
2. Whitetail Deer Management
 - a. Georgia Wildlife Resources. <http://www.georgiawildlife.org/>
 - b. Quality Deer Management Association: Bogart, GA. <http://www.qdma.com/>
 - c. Boone and Crockett Score Sheets. http://www.boone-crockett.org/pdf/SC_whitetail_typical.pdf
 - d. Deer Herd Management for Georgia Hunters: Harvest & Habitat Guidelines. Current Issue. Georgia Department of Natural Resources.
3. Game Bird Biology
 - a. Audubon Online Bird Guide, www.audubonbirds.org/
 - b. National Wild Turkey Federation, <http://www.nwtf.org/>
 - c. Ducks Unlimited, www.ducks.org
 - d. Quail Unlimited, www.qu.org
 - e. Georgia Wildlife Resources, www.georgiawildlife.org
 - f. The Cornell Lab of Ornithology, <http://www.allaboutbirds.org>
 - g. The Macaulay Library, <https://www.macaulaylibrary.org/>
 - h. Game Bird Management Reference will be on the Ag. Ed. website under Game Bird Management Test Information. All of the Game Bird Management questions will come from this information that was taken from the references above.
4. General Identification
 - a. Camp & Daugherty. 1988. *Managing Our Natural Resources*. Delmar Publishers, Inc. Albany, NY.
 - b. Deal, K. 1998, *Wildlife & Natural Resource Management*, Delmar Publishers, Inc. Albany, NY.
 - c. Lee, J. 2000. *Natural Resources and Environmental Technology*, Interstate Publishers, Inc.
 - d. Stutzenbaker, Scheil, Swan, Lee and Mattics. 1999. *Wildlife Management Science and Technology*, Interstate Publishers, Inc.
 - e. Georgia Wildlife Resources, www.georgiawildlife.org
 - f. www.benmeadows.com



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- g. <http://www.forestry-suppliers.com/>
 - h. G. Norman Bishop. *Native Trees of Georgia*, current printing. Georgia Forestry Commission, P.O. Box 819, Macon, GA 31202-0819
 - i. Claud L. Brown and L. Katherine Kirkman. *Trees of Georgia and Adjacent States*, current edition, Portland, OR: Timber Press.
 - j. Georgia Agricultural Education Website, Georgia Department of Education (www.gaaged.org).
 - k. Miller, J.H. and K.V. Miller. 1999. *Forest Plants of the Southeast and Their Wildlife Uses*. Southern Weed Science Society, Campaign, IL. 454 pp.
 - l. Quality Food Plots. Kammermeyer, K., Miller, K., Thomas, L. (2006). Available from: www.qdma.com
5. Aquatic Management
- a. Burtle, Gary J. Georgia Extension: Sport Fish Management in Ponds
https://secure.caes.uga.edu/extension/publications/files/pdf/B%20732_1.PDF
 - b. Georgia Sport Fish Identification Pocket Guide. Current Issue. Georgia Department of Natural Resources. Georgia Wildlife Resources, www.georgiawildlife.org