

Wildlife Management

Event Rules

All members participating in this Career Development Event must meet the eligibility requirements and adhere to the rules of the Kentucky FFA Association as outlined in the Rules Governing FFA Activities document.

Number of members on a team: Four- the top three scores count toward the team score.

Official Dress Appropriate: No

Regional Event: None

State Event: Kentucky State Fair

Participants will not be permitted to handle any items in the identification component of the practicums unless otherwise instructed. Any infraction of this rule will be sufficient to eliminate a team from the event.

EQUIPMENT

Equipment provided by student:

- Clipboard
- Two sharpened, number two pencils
- Non-programmable calculator

Equipment provided at the event site:

- Score Sheet (copy available at www.kyffa.org)

GENERAL KNOWLEDGE EXAM (200 POINTS)

Exam will consist of 50 multiple choice questions.

Primary references for the exam will include the following:

Wildlife Techniques Manual Volume 1: Research, Volume 2, Management, ed. Silvy, John Hopkins Press

Wildlife and Natural Resource Management, 3rd edition, Deal et al

Fish and Wildlife Principles of Zoology and Ecology, 3rd edition Deal et al

Forests and Forestry, 4th Edition, Holland et al



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KDFWR Publications- <https://fw.ky.gov/More/Pages/Publications.aspx>

UK Forestry Extension Materials <https://forestry.ca.uky.edu/forestry-extension-pubs>

Specifically “wildlife, ecosystems and biodiversity, general forestry, and forest management

WHITETAIL DEER MANAGEMENT (100 POINTS)

Each participant will be required to demonstrate expertise in one to two of 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

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

Jawbones will be in ½ year increments from 6 months to 4 ½ plus. These items will be scored as either correct or incorrect.

Deer management questions related to Whitetail Deer Management from the following reference: <https://fw.ky.gov/Wildlife/Pages/Improve-Your-Land-for-Wildlife.aspx>

Deer Aging: <http://www.dnr.sc.gov/wildlife/deer/pdf/deerjaw.pdf>

https://tpwd.texas.gov/publications/pwdpubs/media/pwd_bk_w7000_0755.pdf

<http://www.dnr.sc.gov/wildlife/deer/pdf/deerjaw.pdf>

<https://www.youtube.com/watch?v=Aem65RBHL98>

<https://www.youtube.com/watch?v=c2QXoPemYSE>

<https://www.youtube.com/watch?v=35Xc9hzpaFE>

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>



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GAME/SONGBIRD BIOLOGY (100 POINTS)

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

Reference: <https://www.allaboutbirds.org/>

Call Identification: Participants will listen to five (5) calls and identify the game/song bird. Game/Song bird species can be found on the Wildlife Management ID List on www.kyffa.org ted 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/Songbird Management: No more than fifteen (15) multiple choice questions pertaining to game/song 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/song birds. Questions are to test student's knowledge of each of the species listed below. 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.

GENERAL IDENTIFICATION (100 POINTS)

Students will identify 25 items from the ID list which is available at www.kyffa.org

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.

Reference: KDFWR's Portal for Wildlife Action Plan / Mammalia - <https://fw.ky.gov/WAP/Pages/Mammalia.aspx#313>

AQUATIC MANAGEMENT (100 POINTS)

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

Participants will be required to answer no more than twenty-five (25) items pertaining to pond/stream management and aquatic identification. Questions will be in multiple choice format. A total of 100 points may be earned for this section.

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 list of possible items is available on the Wildlife Management ID List on www.kyffa.org No partial credit will be given.



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Scoring

Total score for each participant is 600 points with a total possible team score of 1800 points.

The top three team member scores will count toward the team score.

Teams will be ranked in numerical order based on the total team score.

Individuals will be ranked in numerical order based on the total individual score.

TIEBREAKER

Ties will be broken based on the team with the highest combined score on the general knowledge exam.

