

## NATURAL RESOURCES

Division 200  
Department 235

### Entomology

#### NOTE FOR ALL UNITS:

Acceptable sizes of hand made Entomology display boxes taken from maual and kit:  
12"W x 16"L x 3" deep  
12"W x 18"L x 3.5" deep  
18"W x 24"L x 3.5" deep  
Commercially available display cases are acceptable.

- C. Glass tops on cases should slide to the top or side of the case to prevent breaking. Commercially available display cases are acceptable.
- B. Regular insect pins required in all units.
- C. **Note:** Units 2 –7, records must include date and location where insects were collected. Place this information on labels attached to insect pins.
- D. **Each year 4-H members build on their collection by adding new insects as required for that particular unit. Refer to the exhibit requirements for the number of insects to collect for that unit.**

#### Entomology Unit 1 – Let's Learn about Insects

- B. Completed e-record and entomology workbook presented in a sturdy binder.
- C. Insect Collection: 10–35 adult insects in at least 3 different correctly labeled orders. Regular insect pins are required.

#### CLASSES

- A. Junior
- 5. Intermediate
- 9. Senior

#### Entomology Unit 2 – Learn More About Insects

- B. Completed e-record and entomology workbook presented in a sturdy binder.
- C. Insect Collection: 25–75 adult insects in at least 6 different correctly labeled orders. Standard-sized display boxes are required. Regular insect pins are required.

#### CLASSES

- 13. Junior
- 17. Intermediate
- 21. Senior

#### Entomology Unit 3 – Insect Habits and Controls

- C. Completed e-record and entomology workbook presented in a sturdy binder.
- D. Insect Collection: 75–150 adult insects in at least 9 different correctly labeled orders (one order developed in water). (Special collection of 8 different insects, as stated in Unit 3 Workbook). Standard-sized display boxes are required. Regular insect pins are required.

#### CLASSES

- 25. Junior
- 29. Intermediate
- 33. Senior

#### Entomology Unit 4 – Insect Identification and Community Projects

- D. Completed e-record and entomology workbook presented in a sturdy binder.
- E. Insect Collection: 100–250 adult insects in at least 10 different correctly labeled orders. Standard-sized display boxes are required. Regular insect pins are required.

#### CLASSES

- 37. Junior
- 41. Intermediate
- 45. Senior

#### Entomology Unit 5 – Immature Insects and Life Stages

- A. Completed e-record and entomology workbook presented in a sturdy binder.
- B. Display your regular insect collection.
- C. Make a collection of at least 10 larvae or immature insects in vials or rubbing alcohol or similar preservation.
- D. Make a special collection that is different from the one in Unit 3, including at least 10 insects.

#### CLASSES

- 49. Junior
- 53. Intermediate
- 57. Senior

#### Entomology Unit 6 – Exploring with Insects

- A. Completed e-record and entomology workbook presented in a sturdy binder.
- B. Report on at least three special activities and include them in the e-record before the story.
- C. Insect collection—display no fewer than 50 insects from a single insect order with no more than 3 specimens of the same insect. Standard-sized display boxes are required. Regular insect pins are required.

## CLASSES

- 61. Junior
- 65. Intermediate
- 69. Senior

### **Entomology Unit 7 – Exploring With Insects - Advanced**

- A. Completed e-record with emphasis on your accomplishments in your story presented in a sturdy binder.
- B. A display board representing some phase of special project work. This could include a chart or special equipment used or developed. The standardized display board size (4 ft X 3ft) is to be used.

## CLASSES

- 73. Junior
- 77. Intermediate
- 81. Senior

## **Sportfishing**

Exhibit for all units will consist of the following:

- 15. Completed e-record and Morgan County sportfishing report sheet (be sure to include all your fishing trips in your supplement) presented in a sturdy binder.
- 16. A display board (4 ft X 3 ft) is to be entered into the specific skill level area related to the exhibit. When using a display board, it is strongly recommended to use photos, drawings or other illustrations rather than actual items (i.e. rods, reels, other tackle or accessories). Educational materials shall not extend beyond the edges of display boards. Exhibits may include display stand alone items such as hand-wrapped rods or hand made lures.
- 17. Hooks must be removed from lures and jigs when these items are used in an exhibit. The exceptions are artificial flies, which may be exhibited with functional hooks, but the hook points must be imbedded in material (i.e. rubber, dense cork, etc.) that will secure the flies and offer safety to the judges and other show officials.
- D. No knives to be displayed.

### **Sportfishing Unit 1 – Take the Bait**

## CLASSES

- 85. Junior
- 89. Intermediate
- 93. Senior

### **Sportfishing Unit 2 – Reel in the Fun**

## CLASSES

- 97. Junior
- 101. Intermediate
- 105. Senior

### **Sportfishing Unit 3 – Cast into the Future**

## CLASSES

- 109. Junior
- 113. Intermediate
- 117. Senior

## **Range Management**

Exhibit will consist of:

- 3. Completed e-record presented in a sturdy binder.
- 4. A display board (4 ft X 3 ft) directly related to the work done by the member in the project.

## CLASSES:

- 121. Junior
- 125. Intermediate
- 129. Senior

## **Forestry**

Exhibit will consist of:

A 4-H member must complete at least six activities in the manual each year. Each unit may be completed in three years. List the day, month and year for the date of completed activities on page 4.

Exhibit for all units will consist of the following:

- 1. Completed manual and e-record presented in a sturdy binder including these items: appropriate sections in the manual completed, e-record and other drawings or attachments related to activities in the manual.
- 2. A display board (4 ft X 3 ft) displaying information related to activities in project manual.

### **Forestry Unit 1 – Follow the Path**

## CLASSES

- 133. Junior
- 137. Intermediate
- 141. Senior

### **Forestry Unit 2 – Reach for the Canopy**

## CLASSES

- 145. Junior
- 149. Intermediate
- 153. Senior

## Forestry Unit 3 – Explore the Deep Woods

### CLASSES

- 157. Junior
- 161. Intermediate
- 165. Senior

## Outdoor Adventures

Notes for Outdoor Adventures:

A 4-H member must complete at least six activities in the manual each year. Each unit may be completed in three years. List the day, month and year for the date of completed activities on page 4.

Exhibit for all units will consist of the following:

- a. Completed manual and e-record presented in a sturdy binder including these items:
  - appropriate sections in the manual completed,
  - e-record and other items or attachments related to activities in the manual.
- b. A display board (4 ft X 3 ft) illustrating a topic investigated during the project year. You may use diagrams, drawings, charts and photographs. Label and use captions to make your display as educational as possible.

## Outdoor Adventures Unit 1 – Hiking Trails

### CLASSES

- 169. Junior
- 173. Intermediate
- 177. Senior

## Outdoor Adventures Unit 2 – Camping Adventures

### CLASSES

- 181. Junior
- 185. Intermediate
- 189. Senior

## Outdoor Adventures Unit 3 – Backpacking Expeditions

### CLASSES

- 193. Junior
- 197. Intermediate
- 201. Senior

## Wildlife

Exhibit for all units will consist of the following:

- a. Completed e-record and Morgan County wildlife report sheets presented in a sturdy binder.
- b. A display board (4 ft X 3 ft) related to the unit of enrollment. No wooden display cases.

## Wildlife Unit 1—Exploring Wildlife

### CLASSES

- 205. Junior
- 209. Intermediate
- 213. Senior

## Wildlife Unit 2—Small Game

### CLASSES

- 217. Junior
- 221. Intermediate
- 225. Senior

## Wildlife Unit 3—Waterfowl

### CLASSES

- 229. Junior
- 233. Intermediate
- 237. Senior

## Wildlife Unit 4—Big Game

### CLASSES

- 241. Junior
- 245. Intermediate
- 249. Senior

## Wildlife Unit 5—Furbearers

### CLASSES

- 253. Junior
- 257. Intermediate
- 261. Senior

## Wildlife Unit 6—Songbirds and Birds of Prey

### CLASSES

- 265. Junior
- 269. Intermediate
- 273. Senior

## JUNIOR GRAND CHAMPION NATURAL RESOURCES

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## SENIOR GRAND CHAMPION NATURAL RESOURCES

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