

Số KAU ĐÃO TR WHY 4-H ENTOMOLOGY? # Love to explore the natural world around us # Passionate about insects Type in the chat box why you are enrolled in the 4-H entomology project? K·STATE | 4-H ්ර් 🍪 🐧 🕉 🐉 **BEGINNING WEBINAR OVERVIEW SExhibit Options** Supplies Collecting (Safety) **SECOND** Collection Exhibit Pinning Labeling Display Box(es) # Identification Resources **%** Kansas State 4-H Entomology Website K-STATE 4-H # Questions & Answers ුර් 🎋 🛱 👀 **EXHIBIT OPTIONS** Collection Box (pinned insects) # Collection Notebook (photos) – More details on Friday session ***** Educational Displays - More details Friday session Collection box

K-STATE

Trifold display

Other

Poster (max size 22" X 28")

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COLLECTION SAFETY

- 1. Clothing (long pants & long selves) & closed shoes
- 2. Insect spray (ticks & mosquitoes)
- 3. Surroundings (snakes, poison ivy/oak, water)
- 4. Handling live insects
 - IF YOU DO NOT KNOW anything about it, TREAT AS IF IT WILL:
 - Sting
 - Bite
 - Pierce (example, Wheel Bug very painful)
- 5. Tick Check (depending on upon collection environment)



TRIVIA TIME! ** What color are mosquitoes attracted to? ** KSTATE Research and Extension ACCOUNT HERE













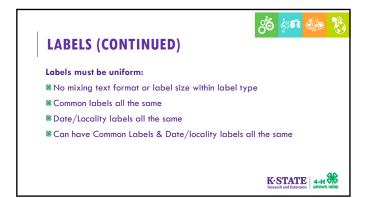


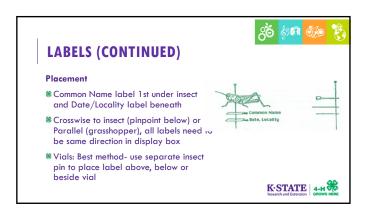






*TEMPLATE ON KANSAS STATE 4-H ENTOMOLOGY WEBSITE OR LABELS CAN BE WRITTEN BY HAND *Common Name label Can add Male & Female – (M), (F), or, Q Beginning I & II – Can use generic name (beetle, wasp, etc.) if common name can't be determined Date/Locality label (caught) Size – smaller than Common Name Label or same size Ist line – County name (spelled out) & State (abbreviation) 2nd line – Date insect caught Optional 3rd line – Collectors name (one doing the pinning)





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DISPLAY BOX

- Standard display box (18" x 24" x 3.5") w/ Plexiglass (no glass)
- Some counties (check yours) Introductory class have other options
- Specimens parallel to short side
- Wials need to be secure (video example-pins crossed in "X" over top & pin front and back)
- # Grouped by Order
- Option A (printed)— Insects in Kansas Book
- Option B (not printed) Insects in Kansas Book 2016 Revised Taxonomy (www.bugguide.net)
- * Killing agent (2 corners) moth balls or pieces of yellow bug strip
- Put barrier (i.e. tape, in small open container) between killing agent & box material



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General Insect Books

- Easy to use (Typically, many pictures & less text to reference)
- Only show handle full of typical bugs for orders
- Typically, do not get into body part shapes (Beetle wide variety)
- Reminder: Beginning class can just identify bug as beetle, moth, etc...
- Can be cheaper (i.e. Insects of Kansas Book check local Extension Office)
- Check town's or school's (public or college) libraries for books (checkout)

Order Specific Books

- Typically, more scientific so more text information
- Still many pictures might be drawings instead of photographs Can cost more money
- Check town's or school's (public or college) library for books to checkout
- Check local Extension Office



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ENTOMOLOGY RESOURCES

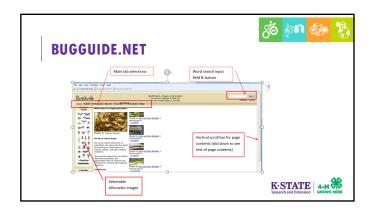
- Note: Require good working knowledge of how
- Internet search (refine searches) black beetle search not good (books help to refine search)
- Ability to self-learn how to navigate web page (no training material) each website is different
- Need very good internet speed (Picture images take time to download and display)
- # Have a lot of information (i.e. www.bugguide.net)
- Typically geared to high school & college age users
- Targeted Orders/Families (i.e. Butterflies, Grasshopper, Tiger Beetles etc...)

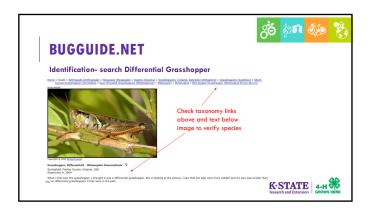
Other Options:

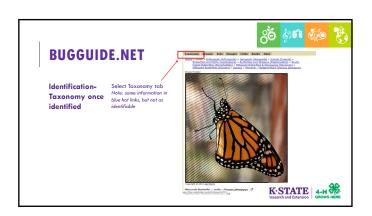
- Kansas State Fair
- Looking at other collections (Identify or were can collect)
- Volunteer on judging day (bring few pinned specimens to have identified)



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QUESTIONS?	
* Advanced 4-H Entomology Webinar, 7:00 pm -Wednesday, June 15 at 7:00 pm	
Making at the Field to Out to Welton 700	
** Alternative Exhibit Options Webinar, 7:00 pm -Friday, June 19 at 7:00 pm	
	K-STATE 4-H GROWS HERE