



Enroll in ZSuite Under this Project Name: NS-ENTOMOLOGY-Lv 2: Teaming With Insects 2

Approved for 2024-25 Project Year

Project Description: In level 2 of the Teaming With Insects series, youth will make insect collection tools, expand their knowledge of biodiversity, invasive species, and integrated pest management, and create a data-tracking journal.

REQUIRED YOUTH CURRICULUM

[Teaming With Insects, Level 2](#) (#08441), 2014

[ZSuite 4-H Involvement Report](#)

[ZSuite 4-H Project Record Book](#)

REQUIRED VOLUNTEER CLUB LEADER CURRICULUM

[Teaming With Insects, Facilitator's Guide](#) (#08443), 2014

SUPPLEMENTAL RESOURCES

Field Guide to Insects of North America (Eaton/Kaufman) - check your local library or bookstore

Field Guide to Insects and Spiders of North America (Evans) - check your local library or bookstore

[Preparing Insect Specimens for Exhibit](#) (#82358)

[Bug Guide](#) (Iowa State University)

[Purdue University Youth Entomology Webpage](#)



PROJECT COMPLETION CHECKLIST

STATE REQUIREMENTS	
	Complete a minimum of 5 activities in the Teaming With Insects Level 2 project book per year.
	Complete all 16 activities within 3 years to pass Level 2.
	Have your project helper date (month and year) and initial each activity when it is finished.
	Complete the 4-H Project Record Book for this project in your ZSuite Member Account
	Fill out your 4-H Involvement Report in your ZSuite Member Account
	Give an oral presentation (speech, demonstration, or illustrated talk) to your 4-H peers on a topic related to this project. Recommended guidelines for length of oral presentations are: <ul style="list-style-type: none"> • Junior: 5-8 minutes • Intermediate: 8-10 minutes • Senior: 10-12 minutes
	Special Instructions for Insect Collections: Exhibit boxes should be approximately 18"x12" (for up to 25 insects) or 18"x24" (for up to 50 insects) and about 3" to 3 ½" deep. Boxes should be covered with a plexiglass/clear plastic lid that can be removed. All insects must be mounted, labeled, and identified to order, and should be arranged by order.

ADDITIONAL LOCAL REQUIREMENTS	

FAIR EXHIBIT CHECKLIST	
	Completed Idaho 4-H Involvement Report (ZSuite)
	Completed Idaho 4-H Project Record Book for this project (ZSuite)
	<p>ONE of the following exhibit options:</p> <ul style="list-style-type: none"> • A collection of specimens that meets the following requirements and uses at least 2 collection methods. <ul style="list-style-type: none"> ○ Year 1: At least 15 adult insects representing at least 3 orders, with at least 7 identified to family. Five insects should be mounted with card-point for display. Use ethyl alcohol to preserve. ○ Year 2: At least 20 adult insects and 5 nymphs. representing at least 5 orders with 10 or more identified to family. At least 10 insects cannot have been exhibited before. Use soft body preservation techniques. ○ Year 3: Minimum 25 adult insects representing at least 10 orders, with 15 or more identified to family. At least 15 insects cannot have been exhibited before. Use "rearing cage" collection method. • A report of things you have learned or researched (such as results of observations of insect traps, habitats, life cycle, entomology careers, etc.). • A poster (14"x22") or display illustrating something you learned in this project this year.

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