



New Mexico 4-H Greentop Project Guide



New Mexico 4-H Is A Program of New Mexico State University's Cooperative Extension Service

**400.J-1
New 2007**

ENTOMOLOGY Unit 1

Introductory Project for Novice, Junior and Senior Members

(This unit may take more than one year to complete)

Welcome to the wonderful and amazing world of insects! This project will give you an introduction to the Class Insecta. Did you know there are more different kinds of insects in the world than all other living things put together? Insects are so numerous that you can study them almost anywhere – in the backyard, the garden, at the lake or in the open field.

What you will learn in this project

- What are Insects?
- Parts of Insects
- The Orders of Insects
- Insect Metamorphosis—A Gradual or Magical Change
- Beneficial Bugs – The Good Guys
- Spiders (and Other Arthropods) on the Web!

Materials that can be used

- *4-H Entomology, Unit 1* project book, 100 J-10 **Pages 1-69**
- Entomology Greentop, 400.J-1
- *Reference Material for 4-H Entomology Leaders*, 200 J-10
- *One Hundred Common Insects of New Mexico*, 200 J-11
- www.nmffa.org :Activities: *State Career Development: Contest Rules and Test Banks*
- Borror and White—*Field Guide to the Insects*, Peterson Field Guide series, Houghton-Mifflin, Boston
- Milne and Milne—Audubon Society, *Field Guide to North American Insects and Spiders*, Knopf, New York

Fair Exhibit

Make a poster or exhibit board on one of the sections from Unit 1 on what you have learned

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Project Activities

- ✓ Build a Model Insect
- ✓ Draw Ladybugs
- ✓ Grasshopper Jumping Exercise
- ✓ Learn Arthropod Anatomy
- ✓ Field Scout Insects
- ✓ Build a Butterfly Net

Ideas for Leadership and Community Service:

- Give a talk or presentation at a project/club meeting.
- Make a display for 4-H family night or a school science fair.
- Teach a friend how to collect and mount insects.
- Visit a preschool or Cloverbud group and show your collection or live, non-harmful insects.
- Help your adult or teen leader set up or clean up at a project meeting.
- Provide beneficial insects to a community garden, park, cemetery, etc.