



ENTOMOLOGY

4-H

Making the Best Better

In this project you will learn:

- Study, collect, and identify various insects.
- Discover how insects live and affect humans.
- Learn methods of collection, mounting, and displaying insects.
- Recognize common insects and arthropods related to insects.
- Study insects' relationship to agriculture, public health, and natural resources.
- Learn safe, effective methods of insect control and

Head:

To think, to plan, and to reason:

- Record Keeping
- Goal Setting
- Problem Solving
- Decision Making

Heart:

To be kind, true, and sympathetic:

- Feeling
- Caring
- Sportsmanship
- Responsibility

Hands:

To be useful, helpful, and skillful.

- Working
- Community Service
- Giving
- Teamwork

Health:

To resist disease, enjoy life, and to make for efficiency:

- Personal Safety
- Self-esteem
- Character
- Responsibility

Beginner

ID insect body parts
Distinguish insects from insect relatives.
Learn that not all insects are native
Develop an understanding of form and function
Explore insect habitat and communication
Begin an insect collection

Intermediate

Expand on the ability to identify insects
Make and use insect collection tools
Gain a deeper understanding of insect behavior, habitat, form, and function
Learn about integrated pest management
Explore forensic entomology

Advanced

Learn about using insects for biological control of invasive species
Learn to use a dichotomous key
Explore possible entomology careers
Conduct forensic entomology experiments
Continue to add to insect collection



DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System

Experience

~

Share

~

Generalize

~

Apply

Expand Your Experiences!

HEALTHY LIVING

- Take a hiking trip to discover and collect insects.
- Set up a beehive near your vegetable garden.
- Learn about the benefits of insects and their products.

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS

- Develop and create a science display on insects.
- Study pollination and its importance to agriculture.
- Assist county agents with insect monitoring programs.

CITIZENSHIP AND LEADERSHIP

- Display insect collection at the local library, school, or fair.
- Set up an educational display at a community event.
- Plant a butterfly garden at a nursing home, school, or park.
- Recruit younger members into an entomology project
- Present a project report at your club, school class, or civic club.
- Conduct a workshop on making an insect collection.

Resources

- U of A Department of Entomology
- www.4-H.org/curriculum/entomology
- eXtension Pest Management
- Entomological Society of America
- Amateur Entomologists' Society
- National Pest Management Association Inc.
- National Invasive Species Information Center

Opportunities

O-Rama Entomology Talk County-District-State Levels

O-Rama Entomology Collections County-District-State Levels

Display insect collection at library, school, museum, or fair.

4-H Beekeeping Essay Contest

Curriculum

Teaming with Insects

- Level 1
- Level 2
- Level 3
- Facilitator's Guide

Butterfly WINGS—Youth Guide

Butterfly WINGS—Facilitator Guide

Making an Insect Collection (MP83)

4-H Record Keeping

4-H records allow members to develop record keeping and goal setting skills.

Members record learning experiences and activities in their 4-H projects, leadership, and community service involvement, 4-H promotion, awards, and accomplishments.



DIVISION OF AGRICULTURE
RESEARCH & EXTENSION

University of Arkansas System

