



ENTOMOLOGY

In this project youth will:

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

Beginner	Intermediate	Advanced
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	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	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

4-H:
Making the Best Better

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



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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, Engineering, and Technology

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

Citizenship

- 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

Leadership

- Recruit younger members into the 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
Collection County-
District- State levels

Display insect
collection at library,
school, museum or
fair

4-H Scholarships

4-H Beekeeping
Essay Contest

Curriculum

Teaming with Insects
- Level 1
- Level 2
- Level 3

-Facilitators Guide

Butterfly WINGS -
Youth Guide

Butterfly WINGS -
Facilitators Guide

Making an Insect
Collection (MP83)

4-H Record Book

Allows members to
learn record keeping
and goal setting skills

Record learning
experiences and
activities in:

- 4-H projects
- Leadership
- Community Service
- 4-H Promotion
- Awards and Accomplishments
- Tell 4-H story

Show project photos



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