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**
- 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

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**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

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

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

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