



Bees: Entomology, Apiaries, & Business Development

Project Summary

In this project, youth will develop interdisciplinary skills in science, cottage industries, and business. They will explore the entomology of bees, their importance, and related ecosystems. Youth will learn how to harvest honey to produce and sell goods. They will experience leadership, and management, all while building relationships with peers, mentors and mentees.



STARTING OUT

Beginner

- Join a Beekeeping club.
- Learn basic apiary care and management techniques.
- View live and virtual demonstrations of hive management.
- Learn basic of bees, pollination, and environmental factors.

LEARNING MORE

Intermediate

- Participate in more hands on field work with bees.
 - Install package bees
 - Check hive health and queen health
 - Harvest and process honey
- Dig deeper into the environmental impacts of a decline in pollinator populations.
- Explore problems and solutions related to climate change.

EXPLORING DEEPER

Advanced

- Process honey and create additional honey based products and goods.
- Develop a business plan to start and maintain an apiary.
- Work with younger or newer students to share knowledge.
- Learn introductory apitherapy and history of healing with bee products.

AREAS OF STUDY

- Ecology
- Entomology
- Botany
- Agriculture
- Zoology

CAREER OPTIONS

- Scientific research
- Business Owner
- Apiary Manager

RESOURCES

Phase 1: Lesson plans and beekeeping materials provided by Bee-Craft Consult
 Phase 2: Lesson plans provided by Bee-Craft Consult, beekeeping materials purchased by school
 Phase 3: Training and materials purchased by school through Bee-Craft Consult