



Insect Study

Merit Badge Workbook

This workbook is not required but is designed to help you with this merit badge. No one can add or subtract from the Boy Scout Requirements #33215. Use page backs & add pages as needed. Please send comments to: craig@craiglincoln.com. Requirements revised: 2002, Workbook updated: January 2004.

Scout's Name: _____ Unit: _____

Counselor's Name: _____ Counselor's Ph #: _____

1) Tell how insects are different from all other animals. _____

Show how insects are different from centipedes and spiders.

2) *Point out* and name the main parts of an insect.

3) *Collect* and *mount* 50 different species. * Include six orders and 18 families of insects. *Label* each with common and scientific names, where possible.

4) Describe the characteristics that distinguish the principal families and orders of insects.

5) Show your collection.

6) Compare the life histories of a butterfly and a grasshopper. Tell how they are different. _____

7) Raise an insect _____

through the complete metamorphosis from its larval stage to its adult stage (e.g. raise a butterfly or moth from a caterpillar).

8) Tell the things that make social insects different from solitary insects. _____

9) Observe an ant colony or a beehive. Tell that you saw. _____

10) From your collection, *identify*:

- a) Four species of insects helpful to humans.
- b) Six species of insects harmful to humans.

Describe some general methods of insect control. _____

11) Tell how insects fit in the food chains of other insects, fish, birds, and mammals. _____

***Some insects are endangered species and are protected by federal or state law. Every species is found only in its own special type of habitat. Be sure to check natural resources authorities in advance to be sure that you will not be collecting any species that is known to be protected or endangered, or in any habitat where collecting is prohibited.**