

Outdoor Hour Challenge Summer Nature Study Continues Sample!!!

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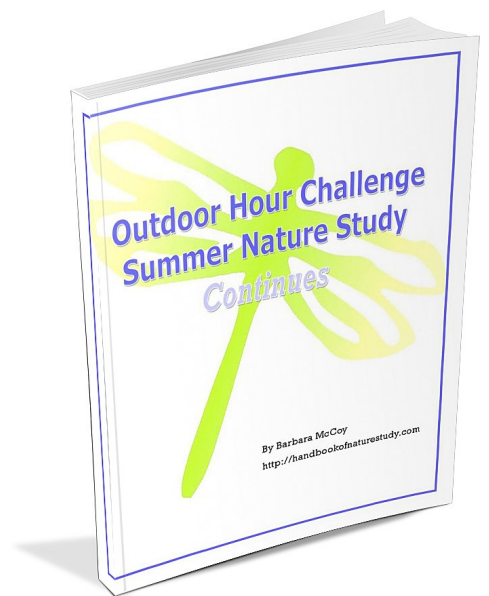
Sunfish/Johnny Darter/Common Shiner

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Charlotte Mason Style Exam Questions for Upper Level Students



Handbook of Nature Study

<http://handbookofnaturestudy.com/>

Insect Study—Lacewing

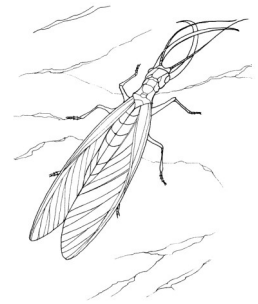
HNS Lesson #86

[Lacewing Photos](#) [Lacewing Notebook Pages](#)

Note: There are both green and brown lacewings in North America.

Inside Preparation Work:

- ◆ Read pages 356-358(Lesson #86) in the *Handbook of Nature Study*. You may wish to also read about aphids as part of this study which is Lesson #84 in the *Handbook of Nature Study*.
- ◆ View this Youtube video: [Green lacewing](#).
- ◆ [Lacewing Life Cycle](#): Read about and then draw the life cycle of the green lacewing in your nature journal. This will help you prepare for your insect hunt when you go outdoors. The images at this link are clickable and will enlarge for you to see better. This link has amazing images: [Green Lacewing](#).
- ◆ **Advanced study**: Learn about the beneficial aspects of having lacewings in your garden: [Youtube-Lacewings](#). Here is a printable information sheet about lacewings: [Beneficial Insects-Lacewings](#).



Outdoor Hour Time:

- ◆ One way to attract these insects is to leave your porch light on and watch for visitors. Lacewings are slow flyers so it may be possible to catch one with your hands if you do it carefully. Place the insect in a viewing jar. If you observe a lacewing, use the ideas from the *Handbook of Nature Study* to take a closer look.
- ◆ Go on an insect hunt! Use the ideas from the Insect Study Grid to create some excitement about your nature study this week. Print out the grid and take it with you! Mark off the squares as you complete them. This can also be a more long term project, finishing the grid during subsequent nature walks.

General Drawing Help: [Lacewing Drawing Ideas](#)

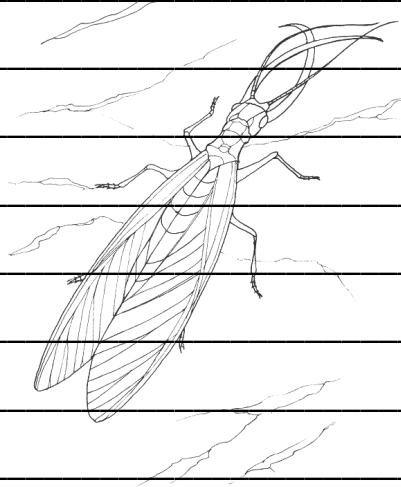
Drawing insects is fun! Use the page in this ebook to help you see the shapes of the lacewing and then draw your own lacewing for your nature journal.

Advanced study: Click the link to see how to draw many different kinds of insect wings: [Insect Wings](#).

Follow-Up Activity:

- ◆ Create a nature journal entry for the lacewing or any other insect you found interesting this week. Keep it simple: sketch, date, caption. There is a [notebook page](#) in this ebook for you to use.
- ◆ **Advanced study**: Conduct additional research on the insect order– [neuroptera](#). Use a field guide and complete two additional nature journal entries for insects in this order found in your local area. You can use this [notebook page](#) for your information.
- ◆ **Advanced study**: If you are interested in learning to draw insects like a true naturalist, you will want to watch this YouTube Video: [John Muir Laws - Drawing Insects](#).

Order: Neuroptera (New-Winged Insects)



Name: _____

Field Guide Notes

Name: _____

Field Guide Notes

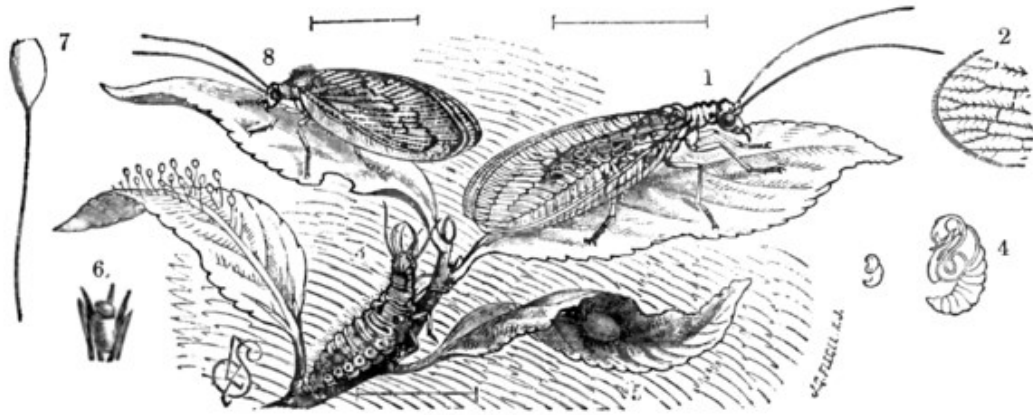
Lacewing



Lacewing eggs. Photo Credit: [JKehoe Photos.](#)



Photo Credit: [Mick Talbot.](#)



LACE-WING FLIES.

1, *Chrysopa vulgaris*; 2, The tip of its wing; 3, Larva; 4, Pupa; 5, 6, Cocoon; 7, Egg; 8, *Hemerobius hirtus*.

