



SCIENCE OF BUGS

Wednesdays, September 14 – December 14 (no class Oct 12, Nov 23; 12 weeks)

12:30pm-1:45pm

Ages 6-10

Explore what it means to be an Entomologist, and get an up-close look of your local area through insect collection and identification. Students learn the biology, ecology and anatomy of bugs through field and lab observation, experimentation, microscopy and dissection. All lab costs are included in registration fee.

Instructor: Q Collins, BSc

Location: Science Center (suite 5) - Roswell

Course fee: \$220 or \$20/lab

10% sibling discount

Register for full semester or individual labs

LAB SCHEDULE:

DIVERSITY OF INSECTS - Wednesday, September 14

Students learn about different groups of insects and their characteristics (beetles versus butterflies, for example), then go on an insect scavenger hunt to see which groups we can find.

INSECT ANATOMY - Wednesday, September 21

This week, we learn insect body parts, and how they help insects survive in their habitats. We dissect a grasshopper to investigate its external and internal anatomy.

INSECT ADAPTATIONS - Wednesday, September 28

Students study feeding and flying adaptations of insects as we use microscopes to investigate the mouthparts of mosquitoes and wings of butterflies.

LOST LADYBUG PROJECT - Wednesday, October 5

Learn about scientific observations, data collection, and citizen science as we investigate ladybugs, make observations and collect data about ladybugs for the Lost Ladybug Project.

NOT AN INSECT! - Wednesday, October 19

Not all bugs are insects! We investigate other creatures we think of as bugs to see what makes them different from true insects.



BUG HOMES - Wednesday, October 26

Kids explore bug homes as we dissect a log to determine who lives inside, look for evidence of bugs that lived there, and learn about creatures that decompose wood.

INSECTS AND PEOPLE - Wednesday, November 2

Students learn about the different ways people and insects interact, how to identify the bugs around our homes and yards, and how some bugs can thrive in human spaces.

LIFE CYCLES - Wednesday, November 9

Students compare and contrast the life cycles of different insects, learn developmental stages (and how some terrestrial insects have aquatic larvae!), and investigate our fruit fly cultures.

SOCIAL INSECTS - Wednesday, November 16

We study the behavior of social insects, including the structure of honeybee colonies and behaviors that help the hive survive and thrive.

POLLINATORS - Wednesday, November 30

Students study the importance of insects in the pollination of flowers, how insects see flower petals differently than we do, investigate pollen under a microscope, and simulate the pollination process.

INSECT HOST PLANTS - Wednesday, December 7

This week we study how many insects rely on specific host plants during certain stages of their lives for food, habitat or to lay their eggs.

BUTTERFLY MIGRATION - Wednesday, December 14

Kids learn about the migration of monarch butterflies, how scientists track where they go each year, and how we can help monarch populations that fly through our area.

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