

Biology Lab
Ages: 6-10
Tuesdays 11:00-11:55am
Tentative Syllabus
Dr. Tonya Shearer
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This semester, students learn about life science processes, from cells to organisms to ecosystems. Each week we explore a topic and/or lab technique through hands-on activities, including microscope use, animal and plant dissections, and cellular processes.

Course fee: \$240. Maximum of 15 students.

Tentative Syllabus

(Exact timing of topics will be determined by student progress.)

Week 1 – Lab Notebooks, Classification and Bacteria

Week 2 – Microscopy

Week 3 – Animal Cells

Week 4 – Osmosis and Diffusion

Week 5 – Worm Dissection

Week 6 – Owl Pellet Dissection

Week 7 – Log Dissection

Week 8 – Fungi

Week 9 – Plant Cells

Week 10 – DNA Extraction

Week 11 – Photosynthesis

Week 12 – Water Cycle

Week 13 – Leaf Identification

Week 14 – Flowers and Seeds

Week 15 – Review