



# Biology

Generate hypotheses or collect and analyze data with labs that replicate in-person biology labs.

With our wide array of innovative and classic biology lessons, your students will observe biological phenomena, generate testable hypotheses, collect and analyze data, and more. All of our biology lab kits provide students with lab-grade materials that match the sophistication of a formal lab facility. For dissections, we offer high quality specimens of both vertebrates and invertebrates. Instructors can also choose between kits with compound light microscopes, available for purchase, or kits with the virtual SI V-scope.

Semester 1 Lessons – SI-10130-BK-01	Semester 2 Lessons – SI-10131-BK-01
Introduction to Microscopy	Invertebrates: Arthropoda, Mollusca, and Echinodermata
Biomolecular Techniques	Invertebrates: Cnidaria, Platyhelminthes, Rotifera, and Annelida
Enzymes	Angiosperms: Roots, Shoots, and Leaves
Cell Types: Structure and Function	Angiosperms: Flowers and Fruits
Taxonomy	Vertebrates
Mendelian Genetics	Fungi
Population Genetics: Natural Selection and Hardy-Weinberg Equilibrium	Protista
Photosynthesis	Prokaryotes
Mitosis and Meiosis	The Food Web
DNA, RNA, and Protein Synthesis	Biomes, Ecosystems, and Habitats
Cell Membrane Transport	Homeostasis
Cellular Respiration and Metabolism	Ecological Succession
Biological Macromolecules	Simple Plants and Gymnosperms

Additional Lessons	
Chemistry Fundamentals	The Scientific Method
Math and Graphing Prep	



Redefining Online Lab Science