

Biology



Biology LabPaqs contain traditional Biology lab experiments that are uniquely designed to mirror those performed on college campuses around the world.

- Biology LabPaqs range from *Introductory* to *Science Major* levels, are widely adopted for *online and on-campus* courses, and are used with fully accredited courses by *thousands of college and high school students* each year.
- Over 70 *academically aligned* experiments and dissection exercises complement and reinforce traditional college, high school, and Advanced Placement biology learning objectives.
- Biology LabPaqs contain a *full color lab manual* on CD, plus all required science equipment, chemicals, specimens, and supplies to perform the experiments.
- A 200x microscope is included in introductory level Biology LabPaqs. Exceptionally affordable microscope equipment is available for purchase by advanced level Biology students.
- Biology LabPaq experiments are very *well-designed*. They were initially developed by distinguished online Biology Professors such as Margaret Vorndam, MS, and labs are continuously improved through collaboration with the extensive Hands-On Labs' academic community.
- LabPaqs are *SAFE, fully insured*, and have a 15-year, 100% safety record.
- LabPaq *Answer Keys* and *Grading Rubrics* are available.
- LabPaqs are developed and produced by an *educator-owned company* with a sincere commitment to foster excellence in online as well as on-campus science education.
- LabPaqs are assembled to exacting quality control standards.



EXPERIMENT NAME	LABPAQ NAME & EXPERIMENTS										
	BK-1	BK-101	BK-105	BK-156	BK-PH-147-247	BK-SC141	BK-W	BOT-1 Botnay	BK-2A Majors	BK-2B Majors	BK-HSAP High School AP
Animal Behavior											•
Basic Chemistry for Investigating Living Systems					•	•	•		•		
Cell Membrane Transport	•	•	•	•	•			•			
Cell Respiration											•
Cell Structure and Function					•	•	•				
Cell Structure and Function - Part 1									•		
Cell Structure and Function - Part 2									•		
Chemoreceptors	•										
Circulatory Physiology											•
Classification of Species	•	•	•			•					
Coal, Oil, and Gas							•				
Comparing Arthropods	•										
Conditions to Grow Molds	•		•								
Diffusion & Osmosis											•
Dissolved Oxygen											•
DNA & Protein Synthesis	•	•	•					•			
Enzyme Catalysis											•
Enzymes							•		•		
Evolution							•				
Extraction of DNA	•	•	•		•			•			
Functions of Bones	•										
Fungi and Seeds	•										
Genetic Inheritance						•			•		
Genetics of Organisms											•
Geologic Maps							•				
Habitats and Humans							•			•	
Histology				•							
Homeostasis	•		•	•							
Human Behavior	•										
Human Genetics							•		•		
Kingdom Animalia: Class Mammalia										•	
Kingdom Animalia: The Deuterostomes										•	
Kingdom Animalia: The Invertebrates										•	
Kingdom Animalia: The Protostomes										•	
Kingdom Plantae: Angiosperms						•		•		•	
Kingdom Plantae: Simple Plants & Gymnosperms						•		•		•	
Life and the Physical Environment: Brine Shrimp						•					
Life Through Time							•				
Macromolecules of Life	•	•	•	•				•			
Microbes Everywhere	•		•								
Microscopy					•						
Microscopy and the Metric System				•		•			•		
Mitosis	•	•	•	•				•			
Mitosis & Meiosis and Microscopy											•
Mitosis and Meiosis						•	•		•		
Molecular Biology											•
Muscle Fatigue	•		•								
Phenotype and Genotype	•	•	•								
Photosynthesis & Respiration	•		•	•				•	•		
Photosynthesis and Respiration							•				
Plant Genetics	•	•	•	•				•			
Plant Pitments & Photosynthesis											•
Plant Reproduction	•							•			
Plant Structures	•		•					•			
Population Genetics											•
Primate Characteristics	•	•									
Research and The Scientific Method					•	•			•		
Respiration	•		•								
Spread of Contagion	•		•								
Taxonomy of Living Things					•	•				•	
The Fossilization Process							•				
The Hardy-Weinberg Principle						•	•			•	
The Large Scale-Stratigraphy and Relative Age Dating							•				
The Macrobiome	•	•									
The Microbiome	•	•	•								
The Properties of Water							•		•		
The Scientific Method	•	•	•	•				•			
Tissues, Organs and Homeostasis					•	•				•	
Transpiration											•
Using Buffers				•							
Version 09-1.01	Number of Experiments:										
	26	12	18	10	8	14	14	12	11	10	12