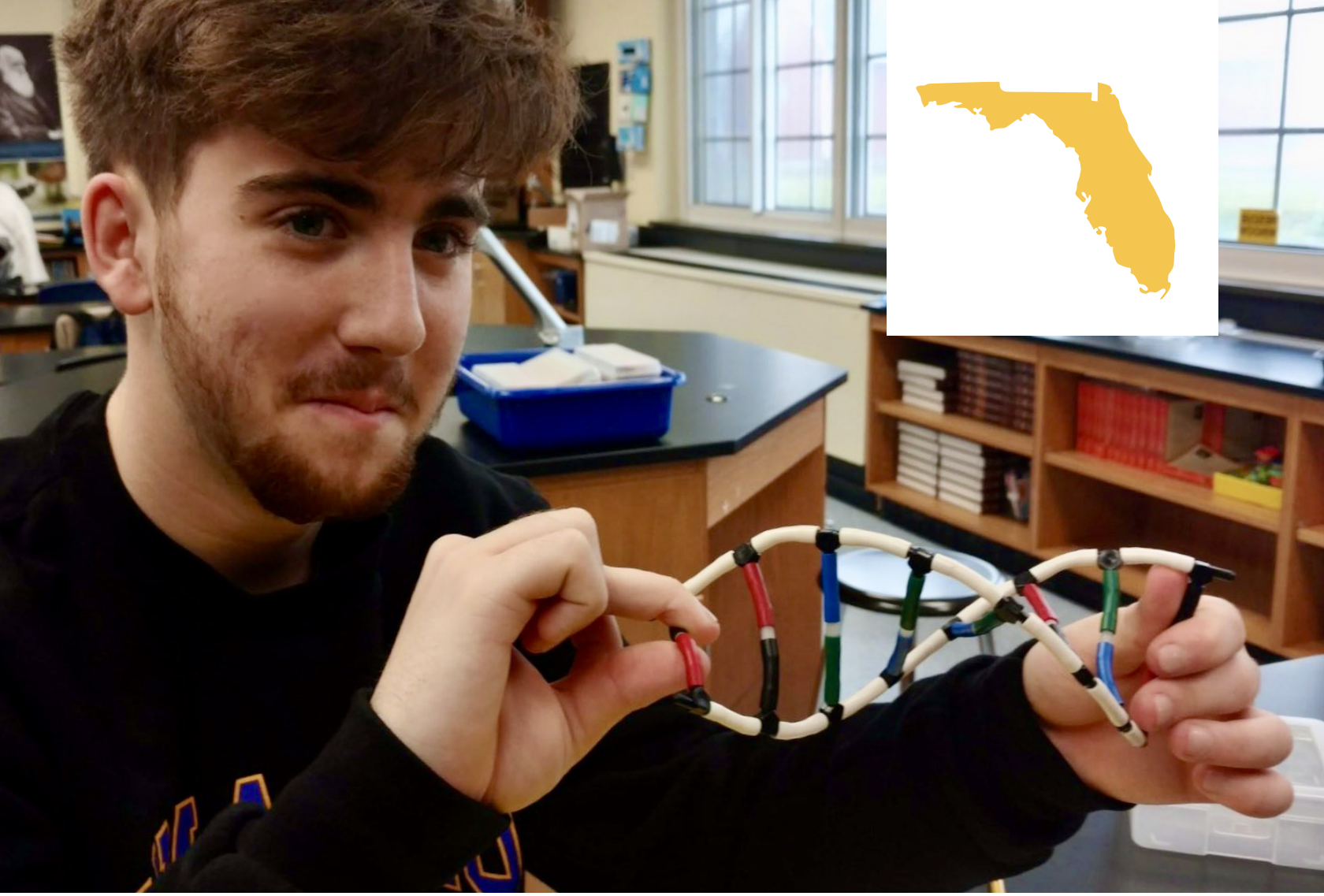
LAB-AIDS®
Proven Science Programs

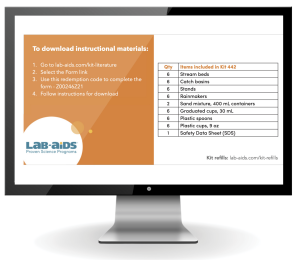
FLORIDA
BIOLOGY



We've never been "just kits".

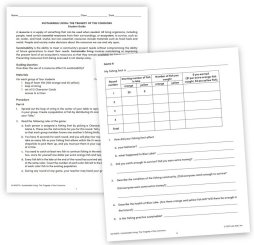
Organized Equipment

- Materials for 32 students
- Minimal consumables
- Organized packaging
- Safe - SDS included



Digital Download

- Store files digitally
- Easily format and share with students
- Receive optional updates as they're available



Complete Instructions

- Full Teacher Guides with background content & complete instruction
- Student sheets include procedures and analysis

Lab-Aids Suggested Kits Aligned to the Florida Biology End-of-Course Assessed Science Standards

Reporting Category: Molecular and Cellular Biology			
SC.912. L.14.2	Relate structure to function for the components of plant and animal cells. Explain the role of cell membranes as a highly selective barrier (passive and active transport).	#23 Dialysis Kit	
SC.912. L.16.3	Describe the basic process of DNA replication and how it relates to the transmission and conservation of genetic information. (Also assesses SC.912.L.16.4, SC.912.L.16.5, and SC.912.L.16.9.)	#71 Molecular Model of DNA and Its Replication #71-A Advanced Molecular Model of DNA and Its Replication	
SC.912. L.18.1	Describe the basic molecular structures and primary functions of the four major categories of biological macromolecules. (Also assesses SC.912.L.18.11.)	#505 Modeling Molecules of Life #29S Cellular Respiration: Energy and Matter in Cells #71 Molecular Model of DNA and Its Replication #72 DNA, RNA, & Protein Sequencing #607S Modeling Protein Structure & its Relationship to Traits	
SC.912. L.18.9	Explain the interrelated nature of photosynthesis and cellular respiration. (Also assesses SC.912.L.18.7, SC.912.L.18.8, and SC.912.L.18.10.)	#30S Photosynthesis and Cellular Respiration #31 Photosynthesis, Plants & Food	
Reporting Category: Organisms, Populations, and Ecosystems			
SC.912. L.16.10	Evaluate the impact of biotechnology on the individual, society, and the environment, including medical and ethical issues.	#P330-5 The Power of CRISPR	
SC.912. L.17.4	Describe changes in ecosystems resulting from seasonal variations, climate change, and succession.	#556 Ecological Succession	

SC.912. L.17.8	Recognize the consequences of the losses of biodiversity due to catastrophic events, climate changes, human activity, and the introduction of invasive, nonnative species.	#547S Modeling the Effects of an Introduced Species #556 Ecological Succession	
Reporting Category: Interdependence			
SC.912 L.17.20	Predict the impact of individuals on environmental systems, and examine how human lifestyles affect sustainability. (Also assesses SC.912.L.17.11, SC.912.L.17.13, SC.912.N.1.3.)	#557S Tragedy of the Commons: Sustainability Resource Use #39S Biofuels: Investigating Ethanol Production and Combustion #440S Copper Mining and Extraction	
SC.912. L.17.11	Evaluate the costs and benefits of renewable and nonrenewable resources, such as water, energy, fossil fuels, wildlife, and forests.	#39S Biofuels: Investigating Ethanol Production and Combustion #440S Copper Mining and Extraction	
Reporting Category: Classification, Heredity, and Evolution			
SC.912. L.15.1	Explain how the scientific theory of evolution is supported by the fossil record, comparative anatomy, comparative embryology, biogeography, molecular biology, and observed evolutionary change.	#903S Evolution: Examining Fossil and DNA Evidence #92 Immunology and Evolution Experiment #910S Skeletal & Embryological Evidence for Evolutionary Relationships	
SC.912 L.16.1	Use Mendel's laws of segregation and independent assortment to analyze patterns of inheritance. (Also assesses SC.912.L.16.2.)	#603S Investigating and Applying Genetics	
SC.912. N.1.1 **SC.912. N.1.4** **SC.912. N.1.6**	**Nature of Science benchmarks are embedded throughout the science concept kits.**		