148316

Animal Behavior Tray Lab Activity

Aligned with all Published National Standards

IMGN2508015

table of contents

Ward's in-house scientists are always on call to assist you with your science questions. Our experts can provide personal solutions and product advice for your curriculum. Email sciencehelp@vwr.com or call 800-962-2660 to get started.

standards alignment

framework for K-12 science education © 2012

* The Dimension I practices listed below are called out as **bold** words throughout the activity.

DIMENSION 1 Science and Engineering Practices

X	Asking questions (for science) and defining problems (for engineering)		Use mathematics and computational thinking
X	Developing and using models	X	Constructing explanations (for science) and designing solutions (for engineering)
X	Planning and carrying out investigations	X	Engaging in argument from evidence
X	Analyzing and interpreting data	X	Obtaining, evaluating, and communicating information

DIMENSION 2 Cross Cutting Concepts

X	Patterns		Energy and matter: Flows, cycles, and conservation
X	Cause and effect: Mechanism and explanation		Structure and function
	Scale, proportion, and quantity		Stability and change
X	Systems and system models		

DIMENSION 3 Core Concepts

Discipline	Core Idea Focus
Life Science	LS1: From Molecules to Organisms: Structures and Properties
	LS2: Ecosystems: Interactions, Energy, and Dynamics

X Indicates standards covered in activity

next generation science standards © 2013

Middle School Standards Covered	High School Standards Covered
MS.LS1-4: Use argument based on empirical evidence and scientific reasoning to support an explanation for how characteristic animal behaviors and specialized plant structures affect the probability of successful reproduction of animals and plants respectively.	HS.LS2-8: Evaluate the evidence for the role of group behavior on individual and species' changes to survive and reproduce.
MS.LS1-8: Gather and synthesize information that sensory receptors respond to stimuli by sending messages to the brain for immediate behavior or storage of memories.	

(continued on next page)

standards and learning objectives

national science education standards © 1996

Content Standards (K-12)			
X	Systems, order, and organization		Evolution and equilibrium
X	Evidence, models, and explanation		Form and Function
	Constancy, change, and measurement		

Life Science Standards Middle School		Life Science Standards High School	
X	Regulation and Behavior	X	Behavior of Organisms
		X	Interdependence of Organisms

X Indicates standards covered in activity

benchmarks for science literacy (AAAS, © 1993)

1. The Nature of Science	1B: Scientific Inquiry
5. The Living Environment	5D: Interdependence of Life
11. Common Themes	11B: Models

activity objectives:

- Observe the concepts of taxis, kinesis, innate and learned behaviors
- Observe an animals behavior toward a particular environment by creating different choices using the behavior tray.

time requirement:

Each investigation takes approximately 30 minutes.