

2026-27 Academic Pentathlon Science Resource Guide Outline

Section I. Introduction to Animal Behavior.....	24%
A. What Is an Animal, and What Is Behavior?	
B. The History of Animal Behavior: Past to Present	
C. How Behavior Is Measured and Studied	
Section II. The Biology of Animal Behavior.....	25%
A. The Nervous System of Animals	
B. Hormones	
C. How Animals Tell Time	
D. Fixed Versus Adaptive Behaviors	
Section III. Expressions of Behavior.....	28%
A. Foraging	
B. Communication	
C. Predatory and Anti-Predatory Behavior	
D. Social Behavior	
E. Emotions and Personality	
F. The Effects of Domestication on Animal Behavior	
Section IV. Migratory Behavior	23%
A. Why Migrate	
B. Navigational Cues	
C. How Animals Migrate	
D. From Birth to Migration	
E. Anthropogenic Effects on Migration	