2026-27 Academic Pentathlon Fine Arts Resource Guide Outline

Section I. Introduction to Music and Art History……12%

A. Introduction to Music
B. Pitch, Rhythm, and Harmony
C. Form in Music
D. Music Summary
E. Introduction to Art History
F. Elements of Art
G. Processes and Techniques
H. Art Summary

Section II. Finding Our Way……10%

A. Wayfinding without Maps
B. Selected Work
C. African American Histories of Fugitivity
D. Selected Work
E. Perception and the Art of Walking
F. Selected Work
G. Mapmaking and Naming
H. Selected Work
I. Section II Summary

Section III. Celebrations of Transport……20%

A. Muscle-Powered Movement
B. Listening Companion
C. Wheels + Motors
D. Listening Companion
E. The Romance of the Rails
F. Listening Companion
G. Ways to Work
H. Listening Companion
I. Transport by Water
J. Listening Companion
K. Section III Summary

Section IV. Global Currents ……13%

A. Exploration and Empire

B. Selected Work
C. Artists in Transit: Blending Cultural Inspirations
D. Selected Work
E. Migration and Memory
F. Selected Work
G. Section IV Summary

Section V. Journeys of Hope……25%

A. Seeking Adventure (On Foot)
B. Listening Companion
C. Seeking Adventure (On Wheels)
D. Listening Companion
E. Journeys of Transformation
F. Listening Companion
G. Crossing the Waves
H. Listening Companion
I. The Final Frontier
J. Listening Companion
K. Section V Summary

Section VI. Traveling for Pleasure, Transportation, and Technology……20%

A. Modern Nature Tourism
B. Selected Work
C. Images as Souvenirs of Travel: From the Elite to the Everyday
D. Selected Work
E. Representing Modern Forms of Travel in Modern Styles
F. Selected Work
G. Innovative Technologies and Media
H. Selected Work
I. Section VI Summary

2026-27 Academic Pentathlon Literature Resource Guide Outline

Section I. Critical Reading……..12%

Section II. *The Lightning Thief* and the theme of journeys of transformation……..4%

A. Overview
B. The Framework of the Hero's Journey
C. The Significance of Travel in *The Lightning Thief*

Section III. Rick Riordan's *The Lightning Thief*……..38%

A. Rick Riordan's Biography and Background
B. Key Characters
C. Structure
D. Plot Summaries and Analyses

Section IV. Shorter Selections……..46%

A. Overview
B. Greek Myths: Selections from George P. Upton's *Gods and Heroes* (1912) and Charles Kingsley's *The Heroes* (1855)
C. Essay: Robert Louis Stevenson's "Roads" from *Essays of Travel* (1873)
D. Poetry: Robert Frost's "The Road Not Taken" (1915)
E. TEDx Talk: Genevieve Hoppe's "The Road Never Traveled" (2018)
F. TEDx Talk: Nessa Swartz's "The Power of Travel" (2025)
G. Poetry: Elizabeth Bishop's "Questions of Travel" (1965)
H. Poetry: Edna St. Vincent Millay's "Travel" (1921)

2026-27 Academic Pentathlon Mathematics Resource Guide Outline

Section I. General Mathematics……25%

A. Interest
B. Basic Counting
C. Probability

Section II. Geometry……75%

A. Triangles
B. Coordinate Geometry
C. Polygons
D. Quadrilaterals
E. Three Dimensional Figures
F. Circles

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

2026-27 Academic Pentathlon Social Science Resource Guide Outline

Section I: Thinking Geographically……18%

A. What Is Human Geography?
B. Maps
C. Geographic Data
D. The Powers of Geographic Dada
E. Spatial Concepts
F. Human-Environment Interaction
G. Scales of Analysis
H. Regional Analysis

Section II: Cultural Patterns and Processes……17%

A. Introduction to Culture
B. Cultural Hearths
C. Cultural Traits, Patterns and Behavior
D. Cultural Landscapes
E. Cultural Patterns
F. Types of Diffusion
G. Historical Causes of Diffusion
H. The Effects of Diffusion

Section III: Population Patterns and Processes……29%

A. Population Distribution
B. Consequences of Population Distribution
C. Population Composition
D. Population Dynamics
E. Models and Population Dynamics
F. Malthusian Theory
G. Population Policies
H. Women and Demographic Change
I. Aging Populations

Section IV: Migration Patterns and Processes ……34%

A. Defining Migration
B. Types of Migration

C. The Migration Process
D. The Characteristics of Migration
E. Causes of Migration
F. Theories on the Causes of Migration
G. Internal Migration
H. Intraurban Mobility
I. Refugees and Internally Displaced Persons (IDPs)
J. Global Trends in Forcibly Displaced People
K. Refugee Settlements

Section V: Migration Case Study……..2%

A. Case Study: The Partition of India and Mass Migration
B. Background: The Leadup to Partition
C. The Trauma of Partition, 1947–55