

# 2023-24 Academic Pentathlon Science Resource Guide Outline

Section I. Cells and the Anatomy of the Brain.....33%

- A. Neurons
- B. GLIA
- C. The Anatomy of the Central Nervous System
- D. The Anatomy of the Peripheral Nervous System
- E. Neural Communication

Section II. The Sensory, Motor, and Memory Systems.....45%

- A. The Visual System
- B. The Auditory System
- C. The Chemical Senses
- D. The Somatosensory System
- E. The Motor System
- F. Memory Systems

Section III. Technology and Neuroscience.....22%

- A. Methods of Perturbing the Brain
- B. Methods of Recording from the Brain
- C. Computational Neuroscience
- D. Computational Psychiatry