

2025-26 Academic Pentathlon Science Resource Guide Outline

Section I. Electricity.....19%

- A. Charged Particles
- B. The Electric Force
- C. Electricity in Materials
- D. Section I Summary

Section II. Circuits.....25%

- A. Energy
- B. Simple Circuits
- C. More Complicated Circuits
- D. Section II Summary

Section III. Magnetism.....32%

- A. The Magnetic Field
- B. Electromagnetism
- C. The Electrical Grid
- D. Section III Summary

Section IV. Electromagnetic Waves.....24%

- A. The Generation of Electromagnetic Waves
- B. Applications of Electromagnetic Waves
- C. Relativity
- D. Section IV Summary