



Introductory Physics

Version 2

Introduction:

- Lab 1: Introduction to Science
- Lab 2: General Lab Safety

Heat and Thermodynamics:

- Lab 3: Ideal Gas Law
- Lab 4: Latent Heat and Specific Heat
- Lab 5: First Law of Thermodynamics
- Lab 6: Second Law of Thermodynamics and Entropy

Electricity:

- Lab 7: Electric Charge and Coulomb's Law
- Lab 8: Electric Field and Potential

Circuits:

- Lab 9: Capacitance
- Lab 10: Resistivity and Ohm's Law

Magnetism:

- Lab 11: Magnetic Forces and Fields





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Light and Optics:

Lab 12: Snell's Law and Total

Internal Reflection

Lab 13: Interference

Lab 14: Geometric Optics,
Ray Tracing, and Image
Formation

Appendix: Good Lab Techniques