



General Physics

Version 2

Introduction:

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

Heat and Thermodynamics:

- Lab 3: Ideal Gas Law
- Lab 4: First Law of Thermodynamics
- Lab 5: Second Law of Thermodynamics and Entropy

Electricity:

- Lab 6: Electric Charge and Coulomb's Law
- Lab 7: Electric Field and Potential
- Lab 8: Gauss's Law

Circuits:

- Lab 9: Capacitance
- Lab 10: Resistivity and Ohm's Law
- Lab 11: Kirchhoff's Laws

Magnetism:

- Lab 12: Magnetic Forces and Fields
- Lab 13: Faraday's Law





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Light and Optics:

Lab 14: Snell's Law and Total Internal Reflection

Lab 15: Interference

Lab 16: Geometric Optics, Ray Tracing, and Image Formation

Appendix: Good Lab Techniques