

**Suggested Experiment Order for:
Glencoe PHYSICS, Principles and Problems, 2005**

Glencoe Chemistry Section	Page in text book	Suggested QSL Physics Lab
1. A Physics Toolkit	p. 3	Intro A: Scientific Investigation
	p. 17	Intro B: Scientific Analysis
3. Accelerated Motion	p.75	1. A Recording Timer, Gravity
5. Forces in Two Dimensions	p. 127	6. Coefficient of Friction
	p.131	3. The Sum of Vector Forces
	p.135	4. Acceleration on an Inclined Plane
6. Motion in two Dimensions	p.152	8. Projectile Motion
7. Gravitation	p.182	2. Newton's Second Law
8. Rotational Motion	p. 199	14. Centripetal Force
9. Momentum and Its Conservation	p. 230	9. Impulse and Momentum
	p. 237	10. Conservation of Momentum
	p. 239	11. Conservation of Energy and Momentum
10. Energy, Work, and Simple Machines	p. 256	7. Work and Power
	p. 272	12. Mechanical Advantage of a Simple Machine
11. Energy and its Conservation	p. 295	5. Potential and Kinetic Energy
12. Thermal Energy	p. 320	17. Specific Heat for Aluminum
	p. 324	18. Latent Heat of Fusion
14. Vibrations and Waves	p. 376	13. Hooke's Law, a Spring Constant
	p. 379	15. A Pendulum
15. Sound	p. 414	16. Speed of Sound in Air
16. Fundamentals of Light	p. 440	23. Wavelengths of the Visible Spectrum
17. Reflection and Mirrors	p. 470	19. Reflection From Curved Mirrors
18. Refraction and Lenses	p. 490	20. Refraction
	p. 499	21. Lenses
19. Interference and Diffraction	p. 590	22. Wavelength of a Laser Beam
20. Static Electricity	p. 548	25. Static Electricity
22. Current Electricity	p. 591	26. An Electronic Breadboard
23. Series and Parallel Circuits	p. 626	27. Ohm's Law
24. Magnetic Fields	p. 647	31. Magnetic Fields
	p. 656	32. Electric Motors
26. Electromagnetism	P. 710	28. Capacitors
28. The Atom	p. 765	24. Laser Measurements
29. Solid State Electronics	p. 786	29. Diodes
	p. 787	30. Transistors