

**Suggested Experiment Order for:
BJU, PHYSICS for Christian Schools, 2nd Edition 2004**

BJU Chapter	Page in text book	Suggested QSL Physics Lab
1. Physics, A Biblical Framework	p. 11	Intro A: Scientific Investigation
	p. 14	Intro B: Scientific Analysis
4. Vectors and Scalars	p. 86	3. The Sum of Vector Forces
5. Motion in a Plane	p. 96	1. A Recording Timer
	p. 100	8. Projectile Motion
6. Dynamics	p. 127	2. Newton's Second Law
7. Circular Motion	p. 147	14. Centripetal Force
8. Applying Newton's Laws	p. 170	4. Acceleration on an Inclined Plane
	p. 176	6. Coefficient of Friction
9. Work and Energy	p. 195	13. Hooke's Law, a Spring Constant
	p. 197	7. Work and Power
	p. 202	5. Potential and Kinetic Energy
10. Conservation of Energy	p. 223	12. Mechanical Advantage of a Simple Machine
11. Momentum	p. 235	9. Impulse and Momentum
	p. 237	11. Conservation of Energy and Momentum
	p. 240	10. Conservation of Momentum
12. Periodic Motion	p. 265	15. A Pendulum
	p. 275	16. Speed of Sound in Air
15. Thermal Energy and Heat	p. 332	17. Specific Heat of Aluminum
	p. 336	18. Latent Heat of Fusion
18. Electric Charge	p. 399	25. Static Electricity
19. Electric Fields	p. 417	26. An Electronic Breadboard
	p. 424	28. Capacitors
20. Electrodynamics	p. 440	27. Ohm's Law
	p. 441	29. Diodes (not covered in text)
	p. 441	30. Transistors (not covered in text)
21. Magnetism	p. 456	31. Magnetic Fields
	p. 473	32. Electric Motors
23. Light and Reflection	p. 522	19. Reflection From Curved Mirrors
24. Refraction	p. 532	20. Refraction
	p. 540	21. Lenses
25. Wave Optics	p. 559	22. Wavelength of a Laser Beam
	p. 561	24. Laser Measurements
26. Using Light	p. 574	23. Wavelengths of the Visible Spectrum