

Suggested Experiment Order for:**A Beka Physics, The Foundational Science 2nd Edition, 2011**

Chapter	Page	Suggested QSL Physics Lab
1	p. 4 p. 13	Intro A: Scientific Investigation Intro B: Scientific Analysis
5	p. 70	13. Hooke's Law, a Spring Constant
6	p. 90	1. A Recording Timer, Gravity
7	p. 95 p. 106	3. The Sum of Vector Forces 8. Projectile Motion
8	p. 111 p. 117	2. Newton's Second Law 6. Coefficient of Friction
9	p. 136	4. Acceleration on an Inclined plane
10	p. 146 p. 154	14. Centripetal Force 15. A Pendulum
11	p. 162 p. 163	7. Work and Power 12. Mechanical Advantage of a Simple Machine
12	p. 172 p. 179 p. 180 p. 183	5. Potential and Kinetic Energy 10. Conservation of Momentum 11. Conservation of Energy and Momentum 9. Impulse and Momentum
14	p. 214 p. 217	17. Specific Heat of Aluminum 18. Latent Heat of Fusion
17	p. 253	16. The Speed of Sound in Air
18	p. 270	23. Wavelengths of the Visible Spectrum
19	p. 288	19. Reflection From Curved Mirrors
20	p. 295 p. 300	20. Refraction 21. Lenses
21	p. 317 p. 318	22. Wavelength of a Laser Beam 24. Laser Measurements
22	p. 326	25. Static Electricity
23	p. 343	31. Magnetic Fields
24	p. 370	32. Electric Motors
25	p. 379 p. 384	26. An Electronic Breadboard 27. Ohm's Law
26	p. 405 End of Chapter End of Chapter	28. Capacitors 29. Diodes - These important topics are related to this chapter but not directly covered. 30. Transistors