



Physics Coordination



Suggested Experiment Orders for

- ***BJU Press®***, ***PHYSICS for Christian Schools, 2nd & 3rd Edition***
- ***A Beka®***, ***PHYSICS: The Foundational Science (2011)***
- ***Apologia®***, ***Exploring Creation with Physics, 2nd Edition***

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**Logos Science, Inc. Physics Suggested Experiment Order for:
BJU Press®, PHYSICS for Christian Schools, 2nd & 3rd Edition**

BJU Chapter	2nd Edition Page	3rd Edition Page	Suggested Physics Lab
1	p. 14	p. 17	1. Scientific Analysis
3	p. 64	p. 64	2. A Recording Timer and the Acceleration of Gravity
4	p. 86	p. 86	3. The Sum of Vectors
5	p. 104	p. 104	4. Projectile Motion
6	p. 127	p. 128	5. Newton's Second Law
7	p. 147	p. 146	6. Centripetal Force
8	p. 170 p. 180	p. 172 p. 182	7. Accelerations on an Inclined Plane 8. Coefficient of Friction
9	p. 198 p. 206	p. 202 p. 210	9. Work and Power 11. Hook's Law, Elastic Potential Energy
10	p. 217	p. 221	10. Potential and Kinetic Energy
11	p. 237 p. 243 p. 246	p. 244 p. 251 p. 255	12. Conservation of Momentum, Explosions 13. Conservation of Momentum, Collisions 14. Conservation of Energy and Momentum
12	p. 265 p. 277	p. 273 p. 284	15. A Pendulum 16. Speed of Sound in Air
15	p. 332 p. 338	p. 344 p. 350	17. Specific Heat of Metals 18. Latent Heat of Fusion
17	p. 380	p. 394	19. Hydrostatics: Pascal's Principle
18	p. 406	p. 424	20. Static Electricity
19	p. 424	p. 442	21. Capacitors
20	p. 433 p. 440 p. 448	p. 451 p. 458 p. 467	22. Resistors 23. Ohm's Law 24. Diodes and Transistors
21	p. 456	p. 476	24. Magnetic Fields
22	p. 482	p. 504	25. Making an Electric Motor
23	p. 519	p. 542	26. Reflections from a Curved Mirror
24	p. 534 p. 540	p. 558 p. 565	28. Refraction 29. Lenses
25	p. 555	p. 585	30. Wavelength of a Laser Light
26	p. 576	p. 605	31. Wavelengths of the Visible Spectrum
28	p. 625	p. 657	32. Laser Measurements
29	p. 645	p. 679	33. Nuclear Diameter

**Logos Science, Inc. Physics Suggested Experiment Order for:
A Beka®, PHYSICS: The Foundational Science 2nd Edition (2011)**

A Beka Chapter	Page	Suggested Physics Lab
1	p. 13	1. Scientific Analysis
2	p. 29	33. Nuclear Diameter
3	p. 39	19. Hydrostatics: Pascal's Principle
5	p. 70	10. Hook's Law, Elastic Potential Energy
6	p. 90	2. A Recording Timer and the Acceleration of Gravity
7	p. 95 p. 106	3. The Sum of Vectors 4. Projectile Motion
8	p. 111 p. 117	5. Newton's Second Law 8. Coefficient of Friction
9	p. 136	7. Accelerations on an Inclined Plane
10	p. 146 p. 154	6. Centripetal Force 15. A Pendulum
11	p. 162	9. Work and Power
12	p. 172 p. 179 p. 180 p. 182	11. Potential and Kinetic Energy 12. Conservation of Momentum, Explosions 14. Conservation of Energy and Momentum 13. Conservation of Momentum, Collisions
14	p. 214 p. 217	17. Specific Heat of Metals 18. Latent Heat of Fusion
17	p. 253	16. Speed of Sound in Air
18	p. 270	31. Wavelengths of the Visible Spectrum
19	p. 288	27. Reflections from a Curved Mirror
20	p. 295 p. 300	28. Refraction 29. Lenses
21	p. 317 p. 318	30. Wavelength of a Laser Light 32. Laser Measurements
22	p. 326	20. Static Electricity
23	p. 343	25. Magnetic Fields
24	p. 370	26. Making an Electric Motor
25	p. 379 p. 384	22. Resistors 23. Ohm's Law
26	p. 405 End of chapter	21. Capacitors 24. Diodes and Transistors (This important topic is related to this chapter but not directly covered.)

**Logos Science, Inc. Physics Suggested Experiment Order for:
Apologia®, Exploring Creation with Physics, 2nd Edition**

Apologia Module	Page	Suggested Physics Lab
Intro.	p. 1 p. 4	33. Nuclear Diameter 1. Scientific Analysis
2	p. 53	2. A Recording Timer and the Acceleration of Gravity
3	p. 90	3. The Sum of Vectors
4	p. 109	4. Projectile Motion
5	p. 148 p. 164	5. Newton's Second Law 8. Coefficient of Friction
6	p. 197	7. Accelerations on an Inclined Plane
7	p. 220	6. Centripetal Force
8	p. 257 p. 268 p. 276 p. 277 p. 283	11. Potential and Kinetic Energy 18. Latent Heat of Fusion 17. Specific Heat of Metals 9. Work and Power 19. Hydrostatics: Pascal's Principle
9	p. 295 p. 298 p. 304	12. Conservation of Momentum, Explosions 13. Conservation of Momentum, Collisions 14. Conservation of Energy and Momentum
10	p. 322 p. 342	10. Hook's Law, Elastic Potential Energy 15. A Pendulum
11	p. 357 p. 369 p. 372 p. 382	16. Speed of Sound in Air 30. Wavelength of a Laser Light 31. Wavelengths of the Visible Spectrum 32. Laser Measurements
12	p. 398 p. 403 p. 410	27. Reflections from a Curved Mirror 28. Refraction 29. Lenses
13	p. 430	20. Static Electricity
14	p. 473	21. Capacitors
15	p. 505 p. 513 p. 519	22. Resistors 23. Ohm's Law 24. Diodes and Transistors
16	p. 527 p. 541	25. Magnetic Fields 26. Making an Electric Motor