



# ***Physical Science Coordination***



*Suggested Experiment Orders for*

- ***BJU Press® , Physical World, Fourth and Fifth Editions***
- ***A Beka® , Mater and Change (2011)***
- ***Apologia®***

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**BJU Press®  
Fifth Edition**

**Logos Science, Inc. Physical Science Suggested Experiment Order for:  
BJU Press®, Fourth Edition Physical World (2008)**

BJU , 5th Ed. Chapter	Page in text book	BJU , 4th Ed. Chapter	Page in text book	Suggested Physical Science Lab
1.	p. 14	1.	p. 18	1. Scientific Investigation
2.	p. 29	2.	p. 37	2. Separating Sand and Salt from a Mixture
3.	p. 51 p. 68	3.	p. 59 p. 78	3. Metric Measurements 4. Density
4.	p. 80	4.	p. 91	5. Motion
5. 5. 6.	p. 96 p. 98 p. 121	5.	p. 111 p. 114 p. 122	6. Newton's Second Law 7. Friction 8. Impulse and Momentum
6.	p. 123	6.	p. 145	9. Energy
7.	p. 131 p. 138 p. 143	7.	p. 153 p. 160 p. 165	10. Work and Power 11. A Lever: A Simple Machine 12. Pulleys
8.	p. 154 p. 159	8.	p. 177 p. 180	13. Weight of a Car 14. Buoyancy
9.	p. 182	9.	p. 204	15. Thermal Energy and Diffusion
10.	p. 205 p. 225	10.	p. 226 p. 246	16. Electrostatics 17. Electrical Circuits
11.	p. 234	11.	p. 258	18. Magnetism
12.	p. 271	12.	p. 294	19. Waves
13.	p. 295	13.	p. 323	20. Musical Instruments
14.	p. 310	14.	p. 338	21. Visible Light Spectrum
15.	p. 338 p. 348	15.	p. 366 p. 374	22. Plane Mirrors and Mirror Applications 23. Convex Lenses
16.	p. 356 p. 373	16.	p. 383 p. 399	24. Length of a Molecule and Avogadro's Number 25. Nuclear Decay
17.	p. 402	17.	p. 429	26. Percentage of Oxygen in Air
18.	p. 432	18.	p. 459	27. Qualitative Analysis
19.	p. 445 p. 450	19.	p. 472 p. 478	28. Chemical Reactions 29. Electrolysis of Water
20.	p. 463 p. 472 p. 474	20.	p. 491 p. 500 p. 502	30. Parts per Million 31. Solution Concentrations 32. Freezing Point Depression
21.	p. 489 p. 494	21.	p. 518 p. 522	33. Acids, Bases, and Indicators 34. Comparing Antacids by Titration

**Logos Science, Inc. Physical Science Suggested Experiment Order for:  
A Beka Matter and Energy (2012)**

Chapter	Page	Suggested Physical Science Lab
1.	p. 4	1. Scientific Investigation
2.	p. 17 p. 29	3. Metric Measurements 4. Density
3.	p. 33 p. 45 p. 56 p. 57	15. Thermal Energy and Diffusion 13. Weight of a Car 14. Buoyancy 31. Solution Concentrations
4.	p. 73	9. Energy
5.	p. 100	32. Freezing Point Depression
6	p. 113 p. 123	27. Qualitative Analysis 25. Nuclear Decay
7.	p. 136 p. 138 p. 139	24. Length of a Molecule and Avogadro's Number 2. Separating Sand and Salt from a Mixture 30. Parts per Million
8	p. 155 p. 157 p. 161 p. 163 p. 166	26. Percentage of Oxygen in Air 29. Electrolysis of Water 28. Chemical Reactions 34. Comparing Antacids by Titration 33. Acids, Bases, and Indicators
10.	p. 217 p. 225 p. 235 p. 236 p. 240 p. 244 p. 246	5. Motion 6. Newton's Second Law 7. Friction 10. Work and Power 8. Impulse and Momentum 11. A Lever: A Simple Machine 12. Pulleys
11.	p. 254 p. 258	19. Waves 20. Musical Instruments
12.	p. 282 p. 286 p. 289	21. Visible Light Spectrum 22. Plane Mirrors and Mirror Applications 23. Convex Lenses
13.	p. 309	16. Electrostatics
14.	p. 326	18. Magnetism
15.	p. 354	17. Electrical Circuits

**Suggested Experiment Order for:****Apologia<sup>®</sup>, Exploring Creation with General Science 2<sup>nd</sup> Edition, Grade 7**

Apologia Module	Page in text book	Suggested Physical Science Lab
1. A brief History of Science	p. 5 p. 12	4. Density 28. Chemical Reactions
2. Scientific Inquiry	p. 42	1. Scientific Investigation
3. How to Analyze and Interpret	p. 59 p. 61 p. 81	27. Qualitative Analysis 14. Buoyancy 29. Electrolysis of Water
4. Science, Applied Science, and Technology	p. 87 p. 95	11. A Lever: A Simple Machine 12. Pulleys
13. The Human Digestive System	p. 327 p. 328	34. Comparing Antacids by Titration 33. Acids, Bases, and Indicators

**Apologia<sup>®</sup>, Exploring Creation With Physical Science 2<sup>nd</sup> Edition, Grade 8**

Apologia Module	Page in text book	Suggested Physical Science Lab
1. The Basics	p. 6 p. 11 p. 18	2. Separating Sand and Salt from a Mixture 3. Metric Measurements 31. Solution Concentrations
2. Air	p. 35 p. 41	26. Percentage of Oxygen in Air 30. Parts per Million
3. The Atmosphere	p. 58 p. 67	13. Weight of a Car 15. Thermal Energy and Diffusion
4. The Wonder of Water	p. 100 p. 104	9. Energy 10. Work and Power
5. The Hydrosphere	p. 117	32. Freezing Point Depression
9. An Introduction to the Physics of Motion	p. 206	5. Motion
10. Newton's Laws	p. 237 p. 244 p. 252	7. Friction 6. Newton's Second Law 8. Impulse and Momentum
12. Forces in Creation - Part 2	p. 295 p. 303 p. 308	16. Electrostatics 17. Electrical Circuits 18. Magnetism
13. Forces in Creation - Part 3	p. 314 p. 333	24. Length of a Molecule and Avogadro's Number 25. Nuclear Decay
14. Waves and Sound	p. 344 p. 358	19. Waves 20. Musical Instruments
15. Light	p. 371 p. 377 p. 385	21. Visible Light Spectrum 22. Plane Mirrors and Mirror Applications 23. Convex Lenses