Chemistry Coordination

Suggested Experiment Orders for

- ***BJU Press®, CHEMISTRY for Christian Schools, 3rd & 4th Edition***
- ***A Beka®, CHEMISTRY Precision & Design, 2nd Edition***
- ***Apologia®, Exploring Creation with Chemistry, 2nd & 3rd Edition***

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Logos Science, Inc. Chemistry Suggested Experiment Order for: BJU Press®, CHEMISTRY for Christian Schools.

BJU Press®, 3rd Edition		BJU Press®, 4th Edition		
Chapter	Page #	Chapter	Page #	Suggested Chemistry Lab
1.	p. 17	1.	p. 12	1. Scientific Method
2.	p. 35	2.	p. 36	2. Paper Chromatography
3.	p. 58	3.	p. 62	3. Collecting Data
4.	p. 85	4.	p. 91	4. Atomic Orbital Models
5.	p. 127	5.	p. 134	5. Properties of a Group in the Periodic Table
6.	p. 150	6.	p. 159	6. Electrical Conductivity
7.	p. 168	6.	p. 176	7. Hybridization of Orbitals
8.	p. 204	8.	p. 212	8. Decomposition
8.	p. 208	8.	p. 214	9. Double replacement Reactions
9.	p. 218	9.	p. 227	10. Analysis of Hydrates
9.	p. 228	9.	p. 242	11. Mole Ratios
10.	p. 249	10.	p. 257	12. Boyle's Law
10	p. 252	10.	p. 258	13. Charles's Law
11.	p. 282	11.	p. 289	14. Melting Points
12.	p. 317	12.	p. 324	15. Freezing Point Depression
13.	p. 339	13.	p. 347	16. Enthalpy of Ice
14.	p. 359	14.	p. 366	17. Reaction Rates: Concentration
14.	p. 359	14.	p. 366	18. Reaction Rates: Temperature
15.	p. 389	15.	p. 397	19. Solubility Product Constant
16.	p. 412	16.	p. 423	20. PH and PH Indicators
16.	p. 416	16.	p. 426	21. Titration
16.	p. 417	16.	p. 427	22. Molar Mass by Titration
16.	p. 419	16.	p. 428	23. Buffers
17.	p. 432	17.	p. 444	24. Oxidation-Reduction
17.	p. 434	17.	p. 446	25. Galvanic Cells
18.	p. 446	18.	p. 458	26. Organic Chemistry Models
18.	p. 449	18.	p. 462	27. Hydrocarbon Models
19.	p. 485	19.	p. 507	28. Polymer Models
19.	p. 489	19.	p. 509	29. Cross linking of a Polymer
20.	p. 528	20.	p. 539	30. Nuclear Decay Simulation

Logos Science, Inc. Chemistry Suggested Experiment Order for: A Beka®, CHEMISTRY Precision & Design, 2nd Edition

A Beka Chapter	Page in text book	Suggested Chemistry Lab
1.	p. 5 p. 9 p. 21	1. Scientific Method 3. Collecting Data 14. Melting Points
2.	p. 39	2. Paper Chromatography
3.	p. 70	22. Molar Mass by Titration (Read lab 21, Titration first)
4.	p. 75 p. 82	11. Mole Ratios 9. Double Replacement Reactions
5.	p. 101 p. 104	12. Boyle's Law 13. Charles's Law
6.	p. 126	8. Decomposition 16. Enthalpy of Ice
7.	p. 150 p. 154	4. Atomic Orbital Models 7. Hybridization of Orbitals
8.	p. 168	5. Properties of a Group in the Periodic Table
9.	p. 190	6. Electrical Conductivity
10.	p. 222	10. Analysis of Hydrates
11.		
12.	p. 289	15. Freezing Point Depression
13.	p. 306 p. 307	17. Reaction Rates: Concentration 16. Reaction Rates: Temperature
14.	p. 323	19. Solubility Product Constant
15.	p. 348 p. 353 p. 358	20. PH and PH Indicators 21. Titration 14. Buffers
16.	p. 365 p. 375	24. Oxidation-Reduction 25. Galvanic cells
17.	p. 394	30. Nuclear Decay Simulation
18.	p. 421 p. 433 p. 439 p. 441	27: Hydrocarbon Models 26: Organic Chemistry Models 29: Cross Linking of a Polymer 28: Polymer Models

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

Apologia Module	Page in text book	Suggested Chemistry Lab
1.	p. 26	3. Collecting Data
2.	p. 40	1. Scientific Method
3.	p. 88	6. Electrical Conductivity
4.	p. 102 p. 113 p. 118	2. Paper Chromatography 14. Melting Points 7. Hybridization of Orbitals
5.	p. 137 p. 155	8. Decomposition 10. Analysis of Hydrates
6.	p. 173	11. Mole Ratios
7.	p. 209 p. 231	*30. Nuclear Decay Simulation 4. Atomic Orbital Models
8.	p. 249	5. Properties of a Group in the Periodic Table
9.	p. 300 p. 316	*27. Hydrocarbon Models *28. Polymer Models
10.	p. 335 p. 342 p. 345	22. Molar Mass by Titration 21. Titration 23. Buffers
11.	p. 355 p. 359 p. 359 p. 380 p. 382	9. Double Replacement Reactions 19. Solubility Product Constant *26. Organic Chemistry Models *29. Cross linking of a Polymer 15. Freezing Point Depression
12.	p. 386 p. 389	12. Boyle's Law 13. Charles's Law
13.	p. 454 p. 472	16. Enthalpy of Ice 17. Reaction Rates: Concentration
14.	p. 479	18. Reaction Rates: Temperature
15.	p. 517	20. PH and PH Indicators
16.	p. 534 p. 542	24. Oxidation-Reduction 25. Galvanic cells

* While this book does not specifically address the subject of Nuclear or Organic Chemistry, we feel the student can accomplish the labs at the suggested places and gain significant understanding of these concepts.

Logos Science, Inc. Chemistry Suggested Experiment Order for: Apologia®, Exploring Creation with Chemistry, 3rd Edition

Apologia Module	Page in text book	Suggested Chemistry Lab
1.	p. 28	3. Collecting Data
2.	p. 44 p. 64 p. 73	1. Scientific Method 6. Electrical Conductivity 2. Paper Chromatography
3.	p. 93 p. 116	*30. Nuclear Decay Simulation 4. Atomic Orbital Models
4.	p. 149	5. Properties of a Group in the Periodic Table
5.	p. 182 p. 182 p. 204 p. 204	*26. Organic Chemistry Models *27. Hydrocarbon Models *28. Polymer Models *29. Cross linking of a Polymer
6.	p. 212 p. 215 p. 226	16. Enthalpy of Ice 14. Melting Points 7. Hybridization of Orbitals
7.	p. 248 p. 268	8. Decomposition 22. Molar Mass by Titration
8.	p. 287	11. Mole Ratios
9.	p. 337 p. 340	21. Titration 23. Buffers
10.	p. 352 p. 356 p. 379	9. Double Replacement Reactions 19. Solubility Product Constant 15. Freezing Point Depression
11.	p. 386 p. 390	12. Boyle's Law 13. Charles's Law
12.		
13.	p. 489 p. 505	10. Analysis of Hydrates 17. Reaction Rates: Concentration
14.	p. 511	18. Reaction Rates: Temperature
15.	p. 550	20. PH and PH Indicators
16.	p. 568 p. 5757	24. Oxidation-Reduction 25. Galvanic cells

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