

**Logos Science, Inc. Physical Science Suggested Experiment Order for:  
A Beka®, Matter and Motion, Grade 8, 1994**

| A Beka Chapter | Page in text book                                                  | Suggested Physical Science Lab                                                                                                                            |
|----------------|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 3.             | p. 100<br>p. 102<br>p. 107<br>p. 116<br>p. 122<br>p. 126<br>p. 128 | 3. Metric Measurements (Either)<br>4. Density (Primary)<br>7. Friction<br>9. Energy<br>10. Work and Power<br>12. Pulleys<br>11. A Lever: A Simple Machine |
| 4.             | p. 153<br>p. 161                                                   | 13. Weight of a Car (Primary)<br>14. Buoyancy (Primary)                                                                                                   |
| 5.             | p. 178                                                             | 15. Thermal Energy and Diffusion (Alternate)                                                                                                              |
| 8.             | p. 309                                                             | 18. Magnetism (Alternate)                                                                                                                                 |
| 9.             | p. 330<br>p. 356                                                   | 16. Electrostatics (Alternate)<br>17. Electrical Circuits (Alternate)                                                                                     |

**A Beka®, Science of the Physical Creation, Grade 9, 1996**

| A Beka Chapter | Page in text book                              | Suggested Physical Science Lab                                                                                                                                |
|----------------|------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.             | p. 10<br>p. 19                                 | 3. Metric Measurements (Either)<br>1. Scientific Investigation                                                                                                |
| 2.             | p. 23                                          | 26. Percentage of Oxygen in Air                                                                                                                               |
| 3.             | p. 62                                          | 32. Freezing Point Depression                                                                                                                                 |
| 4.             | p. 88<br>p. 109                                | 4. Density (Alternate)<br>15. Buoyancy (Alternate)                                                                                                            |
| 5.             | p. 113<br>p. 118<br>p. 128<br>p. 135           | 24. Length of a Molecule and Avogadro's Number<br>2. Thermal Energy and Diffusion (Primary)<br>25. Nuclear Decay<br>27. Qualitative Analysis                  |
| 6.             | p. 138<br>P. 139<br>P. 152                     | 2. Separating Sand and Salt from a Mixture<br>30. Parts per Million<br>14. Weight of a Car (Alternate)                                                        |
| 7.             | p. 162<br>p. 164<br>p. 166<br>p. 167<br>p. 181 | 28. Chemical Reactions<br>33. Acids, Bases, and Indicators<br>34. Comparing Antacids by Titration<br>29. Electrolysis of Water<br>31. Solution Concentrations |
| 12.            | p. 308<br>p. 317<br>p. 320                     | 5. Motion<br>6. Newton's Second Law<br>8. Impulse and Momentum                                                                                                |
| 13.            | p. 328<br>p. 338                               | 19. Waves<br>20. Musical Instruments                                                                                                                          |
| 14.            | p. 354<br>p. 358<br>p. 359                     | 21. Visible Light Spectrum<br>22. Plane Mirrors and Mirror Applications<br>23. Convex Lenses                                                                  |
| 15.            | p. 379<br>p. 392                               | 16. Electrostatics (Primary)<br>18. Magnetism (Primary)                                                                                                       |
| 16.            | p. 422                                         | 17. Electrical Circuits (Primary)                                                                                                                             |