I. DESCRIPTION
Physical Science (SCI 0800) is an introduction to chemistry and physics with an emphasis on practicing the scientific method. God’s love for balance in the world He has created will become evident. Scientists will be introduced who built their theories on the Bible and observational science. Student experiments are woven throughout the lessons so they can experience the thrill of science and understand the “new language” being learned.

II. RATIONALE
Physical science offers students a deeper examination of the nonliving materials and processes around them. Knowledge of the way these items are combined shows the design and purpose of an intelligent God, who created the earth and its laws through His son, Jesus Christ. Students will learn the process of discovering and explaining the order of the physical world and how its parts connect to one another.

III. PREREQUISITES
None.

IV. MATERIALS LIST
List available

V. MEASURABLE LEARNING OUTCOMES
The student will be able to:

A. Investigate and understand the nature of matter, its properties and its phases.
B. Investigate and understand models of atomic theory both historical and modern.
C. Apply the scientific method.
D. Convert between units of the metric system.
E. Find Density
F. Investigate and understand the organization of the Periodic Table
G. Investigate Chemical Bonding
H. Investigate Energy in its different forms
I. Describe different types of machines

J. Calculate Power

VI. COURSE REQUIREMENTS AND ASSIGNMENTS
A. Individual lesson assessments (1 per lesson)
B. 4 Quizzes per Module
C. 1 Test per Module
D. 1 Science Fair Project
E. 1 Midterm Exam
F. 1 Final Exam

VII. COURSE GRADING AND POLICIES
A. Grading Weights
   Lesson Assignments 25%
   Quizzes, Labs and Written Assignments 35%
   Tests 40%

B. Scale
   The 90 – 100
   B 80 – 89
   C 70 – 79
   D 60 – 69
   F Below 60

VIII. Other Policies

A. Academic Misconduct
   See pages 32-35 of your Student Handbook

B. Repeating Assignments
   Students may repeat lesson twice. Quizzes and tests cannot be repeated to gain a higher grade. Quizzes and tests may be reset for technical issues, but a new set of questions will be generated.