

NATURE STUDIES | Chemistry

Form 5

2025-2026 Course Syllabus

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The Purpose of this Course:

Students will gain a firm understanding of the basics of chemistry. Students will practice laboratory skills and science reporting. Students will be able to make connections to Creation and the miraculous design that our God has made even in the smallest particles we can study.

Students will:

- Wonder at the wisdom and goodness of God as evident in his creation of the world and of life.
- To understand the world as a creation rooted in the reality of the Triune nature of God. That is, nature being *harmonious* with God's nature.
- Students will learn the basics of General Chemistry including: Atomic Structure, Molecular Structure, Chemical Reactions, Stoichiometry, Acid-Base Reactions, Thermodynamics, Chemical Equilibrium, and other natural laws pertaining to the nature of elements.
- Understand and properly employ the scientific method.
- Grow in knowledge and understanding of Chemistry.

Grading Breakdown: Students will receive credit for completing the following assignments:

- OYO questions and practice problems found in the Student Notebook.
- Lab Reports for our weekly lab activity
- Assessments for each Module

Text and Supplies:

- *Exploring Creation with Chemistry Student Notebook*
- SBH loans Apologia *Exploring Creation with Chemistry* textbooks for home reading assignments; these will be collected for use in subsequent classes.
- Lab Kit, provided

Math Requirements: Students should have completed Algebra 1. Students should be proficient in algebra to handle the calculations.