



DENVER INNER CITY PARISH

Empowering People. Building Community. Saving Lives.

La Academia Chemistry Standards

I will understand, be able to describe, or complete the following:

ONGOING SCIENCE & TECHNOLOGY

- ☐ The nature of science
- ☐ Observation and science communication
- ☐ Research: data collection and analysis
- ☐ Development of technical skills
- ☐ Scientific citations
- ☐ Graphic representations and interpret science articles
- ☐ Create graphs in Excel to analyze or represent data
- ☐ Use coefficients, percentages, ratios, exponents, and solve for unknown variables
- ☐ Linear Equations and mass/mole conversions

CHEMISTRY CONCEPTS

- ☐ Elements of the Periodic Table
- ☐ Phases of Matter
- ☐ Atomic structures and theories
- ☐ Bonding of atoms
- ☐ Formation and shapes of compounds (VSEPR: Valence shell electron pair repulsion theory)
- ☐ Types of reactions
- ☐ Balancing equations and chemical equilibrium
- ☐ Gas Laws
- ☐ Stoichiometry (moles)
- ☐ Chemistry in everyday life