LEARNING AS ONE NATION

Expanded Project

GC1_SP

SHS LEARNING ACTIVITY

Name: _____ **Score/Mark:** _____

Grade and Section: _____ **Date:** _____

Strand: ☑ STEM ☐ ABM ☐ HUMSS ☐ ICT (*TVL Track*)

Subject: *General Chemistry 1*

Type of Activity: ☑ Concept Notes ☐ Skills: Exercise/Drill ☐ Illustration ☐ Performance Task ☐ Essay/Report ☐ Others: _____

Activity Title: **Semestral Plan**

Learning Target: To outline the topics taken up in General Chemistry 1 for the second semester

References: *(Author, Title, Pages)*
DepEd Most Essential Learning Competencies
M.D.A.D. Cadeliña, CVIF-DLP Learning Activities

TOPIC	Activity Titles
Matter and Its Properties	LAS 1: Review: Properties of Matter LAS 2: Review: Classification of Matter
Atoms, Molecules, and Ions	LAS 3: Dalton's Atomic Theory (~1805) LAS 4: Thomson's (1897) and Rutherford's (1910) models LAS 5: Atoms are made of "subatomic" particles LAS 6: Subatomic Particles: Protons, Electrons, and Neutrons LAS 7: Exercises on Subatomic Particles LAS 8: Common Cations LAS 9: Common Anions LAS 10: Names and Chemical Formulas of Ionic Compounds LAS 11: Names and Chemical Formulas of Binary Molecular Compounds LAS 12: Names and Chemical Formulas of Acids
Measurements	LAS 13: Significant Figures in Measurements LAS 14: Significant Figures in Calculations LAS 15: Measurements, Conversion of Units and Scientific Notation
Stoichiometry	LAS 16: Balancing Chemical Equations LAS 17: Formula Weights and Percentage Composition LAS 18: Avogadro's Number and Molar Mass LAS 19: Interconversion of Masses, Moles, and Number of Particles LAS 20: Empirical and Molecular Formulas 1 LAS 21: Empirical and Molecular Formulas 2 LAS 22: Quantitative Information from Balanced Equations LAS 23: Limiting and Excess Reactants and Percent Yield

Electronic Structure of Atoms	LAS 24: The Modern Quantum Mechanical View of the Atom I LAS 25: The Modern Quantum Mechanical View of the Atom II LAS 26: Electronic Configuration and the Rain Method LAS 27: Condensed Electron Configuration and Valence Electrons LAS 28: Atomic Orbital Diagram LAS 29: Magnetic Properties and Orbital Diagrams
Electronic Structure and Periodicity	LAS 30: Trends in the Periodic Table of Elements: Effective Nuclear Charge LAS 31: Trends in the Periodic Table of Elements: Atomic Radius LAS 32: Trends in the Periodic Table of Elements: Ionic Radius LAS 33: Trends in the Periodic Table of Elements: Ionization Energy and Electron Affinity LAS 34: Diagram of Trends in the Periodic Table of Elements