COURSE CURRICULUM MAP Chemistry I – Semester A

	1–4Weeks	5-9Weeks	10-13 Weeks	14-18 Weeks
Content/ Concepts	• Intro to Chemistry (history) • Scientific method • States of Matter • Metric system • **Chap 1,2**	• Problem solving • Measurements • Dimensional Analysis • **Chap 3**	• Atomic structure • Orbitals • Periodic Law • **Chap 4-6**	• Nomenclature • Polyatomic ions • Oxidation numbers • **Chap 7-9**
Skills	• Knowing relevancy of chemistry to society • Understand & use science method • Understand & explain states of matter • Be able to manipulate metric/standard calculatory	• Be able to solve numerical & word problems with proficiency • Demonstrate correct methodology for measuring a substance • Accurately structure problems utilizing dimensional analysis	• Understand & identify proton, neutron & electron behaviors & interactions • Describe structure of an atom • Identify elements from their atomic number • Identify & distinguish isotopes • Identify elements from group & period positions in the periodic table	• Relate chemical bond formation to electron configuration • Describe the formation of polyatomic ions • Write formulas for ionic compounds • Name ionic compounds • Apply the octet rule to atoms that bond covalently. • Identify the binary molecular compounds from their formulas. • Name binary molecular cpds.

Labs

- Basic Procedures
- equipment
- Chemical Change
- Analysis Galvanized Iron
- Flame Test Metal
- Metallurgy
- Formula Copper Chloride
- Transition Metal Cpd. Rxn.