

COURSE

Quarter	Content	Skills	Assessments	Eligible content
1	Matter; Atoms; Elements.	Describe the phases of matter, list the properties of matter, explain elements, compounds and mixtures. Describe the structure of an atom. Explain the roles of protons, neutrons and electrons. Explain the arrangement and purpose of the periodic table of elements. Describe periods, families and groups of elements. Explain metals, nonmetals, transition elements and noble gases.	Essay questions and responses, use of technological resources, oral presentations, lab activities, Science fair participation,	S7C1.2.2 S7C1.1.1 S7C1.1.3 S7C1.1.2 S7C1.1.3
2	Chemical Compounds. Chemical Equations.	Explain the different types of chemical reactions, Explain ions, acids, bases, pH. Discuss organic compounds including carbohydrates, lipids, proteins and nucleic acids. Describe the parts of a chemical reactions and the symbols used. Discuss the various types of chemical reactions. Explain how to balance a chemical reaction.	Essay questions and responses, use of technological resources, oral presentations, lab activities, Science fair participation.	S7C1.2.1 S7C1.1.3 S7C1.2.1 S7C1.1.3

