

SC 3.1	Distinguishes between revolution and rotation of planets			●					✓	✓	✓
SC 3.2	Identifies basic components in our solar system			●					✓	✓	✓
SC 3.3	Defines basic terms associated with weather systems			●					✓	✓	✓
SC 3.4	Describes the basic Earth materials and their physical properties			●	●				✓	✓	✓
SC 3.5	Describes the water cycle and its importance in our ecosystem			●	●				✓	✓	✓
SC 3.6	Identifies major features of the Earth's surface			●	●				✓	✓	✓
SC 3.7	Describes the composition of the layers of the Earth			●	●				✓	✓	✓
SC 3.8	Explains the nitrogen and carbon cycles			●	●	●			✓	✓	✓
SC 3.9	Identifies and describes the natural events and forces that shape the Earth's surface			●	●	●			✓	✓	✓
SC 3.10	Describes the composition of atmosphere and the processes of weather				●	●			✓	✓	✓
SC 3.11	Describes currents, waves, tides and ocean floor features				●	●			✓	✓	✓
SC 3.12	Identifies and compares common objects in the solar system and how their movement affects earth's systems				●	●			✓	✓	✓
SC 3.13	Describes and generalizes the relationships between common objects in the universe				●	●			✓	✓	✓
SC 3.14	Explains the influence of gravity and inertia on the motions of objects in our solar system				●	●			✓	✓	✓
SC 3.15	Explains how fossils are formed				●	●			✓	✓	✓
SC 3.16	Explains how plate tectonics are involved in the formation of the Earth's structures				●	●			✓	✓	✓
SC 3.17	Describes and analyzes theories about the origin of the universe					●	●		✓	✓	✓
SC 3.18	Analyzes the principles, processes and effects of the hydrologic cycle on the Earth's systems					●	●		✓	✓	✓
SC 3.19	Explains the laws of planetary motion						●		✓	✓	✓
SC 4	Content Standard 4--The adult learner demonstrates understanding of the properties, forms, changes and interactions of physical and chemical systems.										
SC 4.1	Identifies the different states of matter			●					✓	✓	✓
SC 4.2	Identifies electrical conductors and insulators			●					✓	✓	✓
SC 4.3	Classifies the types of energy			●	●				✓	✓	✓
SC 4.4	Differentiates between a physical change and a chemical change			●	●				✓	✓	✓
SC 4.5	Classifies matter in terms of atoms, elements, molecules, compounds, mixtures, and solutions				●				✓	✓	✓
SC 4.6	Describes and classifies the basic properties of each type of energy				●				✓	✓	✓
SC 4.7	Describes the properties of and the relationships between mass, volume and density				●				✓	✓	✓
SC 4.8	Classifies and describes matter based on physical and chemical properties				●				✓	✓	✓
SC 4.9	Explains how elements are made up of atoms and arranged according to their atomic weight in the Periodic Table of the Elements					●			✓	✓	✓
SC 4.10	Describes the basic properties of atoms, elements, molecules, compounds, mixtures, and solutions					●			✓	✓	✓
SC 4.11	Describes the basic principles of Newton's laws of motion					●			✓	✓	✓
SC 4.12	Identifies and analyzes simple and complex machines					●			✓	✓	✓
SC 4.13	Identifies and describes ionic, covalent and hydrogen bonds					●			✓	✓	✓
SC 4.14	Explains the difference between endothermic and exothermic reactions					●			✓	✓	✓
SC 4.15	Defines the law of conservation of energy					●			✓	✓	✓
SC 4.16	Explains how energy is exchanged or transformed in all chemical reactions and physical changes of matter					●			✓	✓	✓
SC 4.17	Explains the principles involved in the conservation of mass					●			✓	✓	✓
SC 4.18	Describes the connection between electricity and magnetism					●	●		✓	✓	✓
SC 4.19	Recognizes and explains the central role of carbon plus the five other key elements that make up most of the Earth's biomass						●		✓	✓	✓
SC 4.20	Describes how reactions occur at different rates and that rates can be changed by altering concentration of reactants, temperature, surface areas and catalysts						●		✓	✓	✓
SC 4.21	Analyzes chemical reactions by writing balanced chemical equations						●		✓	✓	✓
SC 4.22	Assesses chemical reaction rates and the factors that affect chemical reaction rates						●		✓	✓	✓
SC 4.23	Writes the equilibrium expression and calculates the equilibrium constant for a reaction						●		✓	✓	✓
SC 4.24	Predicts chemical formulas based on the number of valence electrons						●		✓	✓	✓