Grade Level:		**4th**				
Subject/Course:		**Science**				
Month/ Quarter	**Topic**	**Standards**	**Skills**	**Resources/Materials/ Activities**	**Key Terminology**	**Assessments**
Quarter 1 (Aug/Sept)	Ch. 1 Classifying Plants and Animals	4-LS1-1 4-LS1-2	• Living things are different but share similar structures • Characteristics of an organism are inherited from parents of the organism	Scott Foresman text, student workbook, and assessments	Cell Nucleus Cytoplasm Chloroplast Genus Species Vertebrates Invertebrates	Daily Workbook pages,Chapter 1 Assessment
Quarter 1 (Sept)	Ch. 2 Energy From Plants	4-LS1-1	• Green plants use carbon dioxide, water and sunlight energy to turn minerals and nutrients into food for growth, maintenance, and reproduction • By using science processes, people can solve problems, make decisions and form new ideas.	Scott Foresman text, student workbook, and assessments	Photosynthesis Chlorophyll Sepal Pistil Stamen Ovary Fertilization Dormant	Daily Workbook pages, Chapter 2 Assessment

Quarter 1	Ch. 3 Ecosystems		• Source of energy is needed for organisms to stay alive and grow. • Animals eat plants or other animals to acquire the energy they need for survival. • Organisms are growing, dying and decaying.	Scott Foresman text, student workbook, and assessments	Ecosystems Population Community Niche Herbivores Carnivores Omnivores Decomposers	Daily Workbook pages, Chapter 3 Assessment
Quarter 2	Ch. 4 Changes in Ecosystems		• Structural adaptations make living things fit for an environment. • Variations in light, water, temperature and soil content are largely responsible for the existence of different kinds of organisms.	Scott Foresman text, student workbook, and assessments	Competition Parasite Host Succession Extinct Endangered Hazardous waste	Daily Workbook pages, Chapter 4 Assessment
Quarter 2	Ch. 6 Water Cycle and Weather	4-ESS2-1	• The water cycle is influenced by temperature, pressure, and the topography of the land.	Scott Foresman text, student workbook, and assessments	Evaporation Condensation Precipitation Humidity Front Meteorologist Barometer	Daily Workbook pages, Chapter 6 Assessment

					Anemometer Wind vane	
Quarter 2 (Dec)	Ch. 8 Minerals and Rocks	4-ESS1-1 4-ESS2-1	• Larger rocks can be broken down into smaller rocks, which in turn can be broken down to combine with organic material to form soil. • Data collected and interpreted can be used to explain an event or concept.	Scott Foresman text, student workbook, and assessments	Minerals Luster Sediment Sedimentary rocks Igneous rocks Metamorphic rocks	Daily Workbook pages, Chapter 7 Assessment
Quarter 3 (January)	Ch. 10 Using Natural Resources	4-ESS3-1	• THe limited supply of usable energy sources places great significance on the development of renewable energy sources. • Reusing, recycling and reducing the use of natural resources improve and protect the quality of life.	Scott Foresman text, student workbook, and assessments	Solar energy Humus Solar cells Ore Fossil fuels Petroleum Conservation Recylcing	Daily Workbook pages, Chapter 10 Assessment

Quarter 3	Ch. 11 Properties of Matter		• Properties of materials can be compared and measured. • Common materials can change from one state to another by heating and cooling. • Chemically combining two or more substances may have properties that differ from the original materials.	Scott Foresman text, student workbook, and assessments	Density Mixture Solution Solute Solvent Solubility Physical change Chemical change	Daily Workbook pages, Chapter 11 Assessment
Quarter 3	Ch. 12 Heat	4-PS3-2 4-PS3-3	• Recognize various forms of energy. • Heat can move from one object to another.	Scott Foresman text, student workbook, and assessments	Thermal energy Conduction Conductor Insulation Convection current Radiation	Daily Workbook pages, Chapter 12 Assessment
Quarter 4	Ch. 13 Electricity and Magnetism	4-PS3-2 4-PS3-4 3-5-ETS1-2 3-5-ETS1-3		Scott Foresman text, student workbook, and assessments Directed Inquiry pg. 394 (Electromagnets) - Materials needed per group (Insulated wire, iron bolt, batteries, battery holders, paper	Static electricity Electric current Resistance Series circuit Parallel circuit Magnetism Magnetic field Electromagnet	Daily Workbook pages, Chapter 13 Assessment

				clips.)		
Quarter 4	Ch. 14 Sound and Light	4-PS3-2 4-PS4-1 4-PS4-2		Scott Foresman text, student workbook, and assessments	Compression Frequency Wavelength Pitch Reflection Absorption Transparent Translucent Opaque Refraction	Daily Workbook pages, Chapter 14 Assessment
Quarter 4	Ch. 15 Objects and Motion	4-PS3-1		Scott Foresman text, student workbook, and assessments	Relative motion Frame of reference Speed Velocity Force Friction Gravity Work Kinetic energy Potential energy	Daily Workbook pages, Chapter 15 Assessment
Quarter 4 (May)	Ch. 16 Simple Machines	3-5-ETS1-1		Scott Foresman text, student workbook, and assessments Directed Inquiry pg. 460 (Design a simple machine) Materials needed per group (Two markers, Two rulers, eraser, marble bell)	Level Fulcrum Load Effort Wheel and axle Pulley Inclined plane Wedge Screw	Daily Workbook pages, Chapter 16 Assessment