

### Fourth Grade Science Look For's

Grading Cycle	Unit Name	What your child will learn	What your child will do	What you will see
<b>First Nine Weeks</b>  <b>Matter and Energy</b>	Lab Safety and Scientific Process Classifying Matter Mixture	Field and laboratory investigations Scientific inquiry Critical thinking, problem solving, and decision making Appropriate use of tools and equipment Matter has physical properties, Measure physical properties of matter, Compare and contrast matter,	Implement investigative procedures, Demonstrate safe practices Collect data, Organize, examine, and evaluate data, Select science equipment and technology, Make decisions, Communicate valid conclusion, <b>Measure, Compare, and Contrast</b> physical properties of matter, <b>Compare and Contrast</b> a variety of mixtures, including solutions.	Safety rules and symbols, Student safety contract , Science equipment , Graphic organizers , Lab reports, Graphs, tables, charts ,Science folder/journal, Lab activities using charts and graphs , List of properties of mixtures, Lab tests of density and buoyancy, Pictures of various mixtures
<b>Second Nine Weeks</b>  <b>Force, Motion, and Energy</b>	Force and Energy	Different forms of energy, Conductors and Insulators, Electricity Forces	<b>Differentiate</b> among forms of energy, <b>differentiate</b> between conductors and insulators of thermal and electrical energy <b>AND Demonstrate</b> that electricity travels in a closed path, creating an electric circuit, <b>Explore</b> the effects of a force on an object, <b>Examine</b> parts in a systems such as a light bulb in a circuit <b>Draw conclusions</b> about what happens when part of a system is removed	Lab activities using charts and graphs, Journal entries Drawings and diagrams of change in motion of objects, Models, Force and motion,
<b>Third Nine Weeks</b>  <b>Earth and Space</b>	Formation of Earth and Resources Patterns of the Earth	Renewable resources Nonrenewable resources Conservation Weather , Sun and Water Cycle, Shadows, Moon's appearance	<b>Identify</b> and <b>Classify</b> Earth's renewable resources and nonrenewable resources, <b>Measure, Record, and Predict</b> changes in weather, <b>Describe</b> and <b>Illustrate</b> the continuous movement of water above and on the surface of Earth, <b>Collect</b> and <b>Analyze</b> data to <b>identify</b> sequences and <b>predict</b> patterns of change in shadows, seasons, and the observable appearance of the Moon over time.	Lab activities using charts and graphs, Journal entries Drawings and diagrams of change in motion of objects, Models, Force and motion Patterns and change, Past events affect present and future events, Illustrate that certain characteristics of objects can remain constant when rotated,
<b>Fourth Nine Weeks</b>  <b>Organisms and Environment</b>	Structure and Functions Traits Food Webs Life Cycles	Basic needs and survive, Adaptations of plants and animals, Inherited characteristic, Learned behaviors, Life cycles of various plants and animals.	<b>Explore</b> how structures and functions enable organisms to survive in their environments, <b>Identify</b> and <b>describe</b> the roles of some organisms in living systems <b>Examine</b> parts in nonliving systems , <b>Explore</b> and <b>Describe</b> examples of traits that are inherited from parents to offspring, and behaviors that are learned, <b>Explore, Illustrate, and Compare</b> the life cycles of living organisms	Lab activities using charts and graphs, Journal entries Drawings and diagrams, Systems in everyday life, Energy interactions in everyday life, Living and nonliving systems, Identify and describe the roles of some organisms in living