



Grade 5 Science MATTER AND ITS INTERACTIONS	
Louisiana Student Standards	Louisiana Connectors (LC)
5-PS1-1 Develop a model to describe that matter is made of particles too small to be seen.	LC-5-PS1-1a Identify in a model (e.g., picture, diagram) which shows that all matter can be broken down into smaller and smaller pieces until they are too small to be seen by human eyes.
5-PS1-2 Measure and graph quantities to provide evidence that regardless of the type of change that occurs when heating, cooling, or mixing substances, the total amount of matter is conserved.	LC-5-PS1-2a Identify using measurements that the total weight of matter is conserved when it changes form.
	LC-5-PS1-2b Identify using measurements that the total weight of matter is conserved before and after they are heated, cooled, or mixed.
5-PS1-3 Make observations and measurements to identify materials based on their properties.	LC-5-PS1-3a Identify that materials can be classified based on a variety of observable physical properties (e.g., shape, texture, buoyancy, color, magnetism, solubility).
	LC-5-PS1-3b Classify materials (e.g., shape, texture, buoyancy, color, magnetism, solubility) by measurable physical properties.
5-PS1-4 Conduct an investigation to determine whether the mixing of two or more substances results in new substances.	LC-5-PS1-4a Identify that when two or more different substances are mixed, a new substance with different properties may be formed.
	LC-5-PS1-4b Identify the changes that occur when two or more substances are mixed using evidence provided from data.

Grade 5 Science MOTION AND STABILITY: FORCES AND INTERACTIONS	
Louisiana Student Standards	Louisiana Connectors (LC)
5-PS2-1 Support an argument that the gravitational force exerted by the Earth is directed down.	LC-5-PS2-1a Identify that the gravitational force exerted by Earth on objects is directed down.



Grade 5 Science MATTER AND ENERGY IN ORGANISMS AND ECOSYSTEMS	
Louisiana Student Standards	Louisiana Connectors (LC)
5-PS3-1 Use models to describe that energy in animals' food (used for body repair, growth, motion, and to maintain body warmth) was once energy from the sun.	LC-5-PS3-1a Identify that the energy in animals' food was once energy from the sun.

Grade 5 Science ECOSYSTEMS	
Louisiana Student Standards	Louisiana Connectors (LC)
5-LS2-1 Develop a model to describe the movement of matter among plants, animals, decomposers, and the environment.	LC-5-LS2-1a Identify a model that shows the movement of matter (e.g., plant growth, eating, composting) through living things.

Grade 5 Science EARTH'S PLACE IN THE UNIVERSE	
Louisiana Student Standards	Louisiana Connectors (LC)
5-ESS1-1 Support an argument that differences in the apparent brightness of the sun compared to other stars is due to their relative distances from the Earth.	LC-5-ESS1-1a Identify that the sun appears larger and brighter than other stars because the sun is much closer to Earth than other stars.
5-ESS1-2 Represent data in graphical displays to reveal patterns of daily changes in length and direction of shadows, day and night, and the seasonal appearance of some stars in the night sky.	LC-5-ESS1-2a Describe similarities and differences in the timing of observable changes in shadows.
	LC-5-ESS1-2b Describe similarities and differences in the timing of observable changes in day and night.
	LC-5-ESS1-2c Describe similarities and differences in the timing of observable changes in the appearance of stars that are visible only in particular months



Grade 5 Science EARTH'S SYSTEMS	
Louisiana Student Standards	Louisiana Connectors (LC)
5-ESS2-1 Develop a model using an example to describe ways the geosphere, biosphere, hydrosphere, and/or atmosphere interact.	LC-5-ESS2-1a Describe that the Earth's major systems interact and affect Earth's surface materials and processes.
5-ESS2-2 Describe and graph the amounts and percentages of water and fresh water in various reservoirs to provide evidence about the distribution of water on Earth.	LC-5-ESS2-2a Determine that the majority of water on Earth is found in the oceans as salt water and most of the Earth's fresh water is stored in glaciers.

Grade 5 Science EARTH AND HUMAN ACTIVITY	
Louisiana Student Standards	Louisiana Connectors (LC)
5-ESS3-1 Generate and compare multiple solutions about ways individual communities can use science to protect the Earth's resources and environment.	LC-5-ESS3-1a Identify ways people can help protect the Earth's resources and environment.