

4th and 5th Grade
Forest Ecology

Louisiana Grade Level Expectations for K-12 Science

Grade Level	Strand of Science	Grade Level Expectation
4	Science as Inquiry: The Abilities to Do Scientific Inquiry	1 (SI-E-A1) Ask questions about objects in the environment (e.g. plants, rocks, storms)
4	Life Science: Organisms and Their Environments	50 (LS-E-C1) Explain how some organisms in a given habitat compete for the same resources
4	Science and the Environment	70 (SE-E-A1) Design an ecosystem that includes living (biotic) and nonliving (abiotic) components and illustrates interdependence
4	Science and the Environment	71 (SE-E-A2) Describe and explain food chains/webs and the directional flow of energy in various ecosystems (e.g. construct a model, drawing, diagram, graphic organizer)
4	Science and the Environment	72 (SE-E-A2) Predict and describe consequences of the removal of one component in a balanced ecosystem (e.g. consumer, herbivores, nonliving component)
5	Science as Inquiry: The Abilities to Do Scientific Inquiry	1 (SI-M-A1) Generate testable questions about objects, organisms, and events that can be answered through scientific investigation
5	Life Science: Populations and Ecosystems	23 (LS-M-C2) Construct food chains that could be found in ponds, marshes, oceans, forests, or meadows
5	Life Science: Populations and Ecosystems	24 (LS-M-C2) Describe the roles of producers, consumers, and decomposers in a food chain
5	Life Science: Populations and Ecosystems	25 (LS-M-C2) Compare food chains and food webs
5	Life Science: Populations and Ecosystems	26 (LS-M-C3) Identify and describe ecosystems of local importance
5	Life Science: Populations and Ecosystems	28 (LS-M-C4) Explain and give examples of predator/prey relationships