Louisiana Grade Level Expectations

**Grade 6 Science**

**Science and the Environment**

45. Describe methods for sustaining renewable resources (SE-M-A6)

46. Identify ways people can reuse, recycle, and reduce the use of resources to improve and protect the quality of life (SE-M-A6)

47. Illustrate how various technologies influence resource use in an ecosystem (e.g., forestry management, soil conservation, fishery improvement) (SE-M-A8)

**Grade 7 Science**

**Adaptation of Organisms**

32. Describe changes that can occur in various ecosystems and relate the changes to the ability of an organism to survive (LS-M-D2)

34. Explain how environmental factors impact survival of a population (LS-M-D2)

**Science and the Environment**

35. Identify resources humans derive from ecosystems (SE-M-A1)

39. Analyze the consequences of human activities on ecosystems (SE-M-A4)

43. Identify and analyze the environmental impact of humans’ use of technology (e.g., energy production, agriculture, transportation, human habitation) (SE-M-A8)

**Grade 8 Science**

**Earth and Space Science**

**Structure of Earth**

19. Determine the results of constructive and destructive forces upon landform development with the aid of geologic maps of Louisiana (ESS-M-A7)

20. Describe how humans’ actions and natural processes have modified coastal regions in Louisiana and other locations (ESS-M-A8)
Earth History
35. Describe how processes seen today are similar to those in the past (e.g., weathering, erosion, lithospheric plate movement) (ESS-M-B3)

Science and the Environment
51. Analyze the consequences of human activities on global Earth systems (SE-M-A4)

53. Distinguish among several examples of erosion (e.g., stream bank, topsoil, coastal) and describe common preventive measures (SE-M-A10)

Grade 8 Social Studies
Places and Regions
7. Explain how or why specific regions are changing as a result of physical phenomena (e.g., changes in the coastal wetlands) (G-1B-M3)

8. Identify and describe factors that cause a Louisiana region to change (e.g., natural occurrences, disasters, migration) (G-1B-M3)

Physical and Human Systems
11. Explain why humans settled and formed societies in specific regions or why immigrant groups (e.g., Acadians) settled in specific areas of Louisiana (G-1C-M3)

13. Describe factors that contribute to economic interdependence at the local, national, and global level, as related to Louisiana’s past and present (G-1C-M6)

Environment and Society
14. Analyze, evaluate, and predict consequences of environmental modifications on Louisiana landforms, natural resources, and plant or animal life (G-1D-M1)

15. Analyze the benefits and challenges of the Louisiana physical environments on its inhabitants (e.g., flooding, soil, climate conducive to growing certain plants) (G-1D-M2)
Economics

Fundamental Economic Concepts

42. Analyze situations involving scarcity (limited resources) at the individual, group, and societal levels to determine the need for choices or what is gained/lost by a decision (E-1A-M1)

43. Explain how effective economic decisions (e.g., determining the best level of consumption) require comparing the additional costs of alternatives with additional benefits (E-1A-M2)

48. Characterize and analyze the use of productive resources in an economic system (E-1A-M6)

51. Use economic concepts (e.g., scarcity, opportunity cost) to explain historic and contemporary events and developments in Louisiana (E-1A-M9)

Louisiana History

78. Describe and analyze the impact of Louisiana’s geographic features on historic events, settlement patterns, economic development, etc (H-1D-M4)

79. Explain how Louisiana’s natural resources have shaped its history (e.g., petroleum) (H-1D-M4)

Grade 9 Core Course: Economics (Free Enterprise)

Economics

Fundamentals Economics Concepts

5. Explain how the scarcity of natural resources leads to economic interdependence (E-1A-H1)

Individuals, Households, Businesses, and Governments

38. Evaluate the impact of policies related to the use of resources (e.g., water use regulations, policies on scarce natural resources) (E-1B-H3)

Science and the Environment
(Recommended for Grades 11–12)

Ecological Systems and Interactions

6. Analyze the consequences of changes in selected divisions of the biosphere (e.g., ozone depletion, global warming, acid rain) (SE-H-A5) (SE-H-A7)

8. Explain how species in an ecosystem interact and link in a complex web (SE-HA7) (SE-H-A10)
12. Give examples and describe the effect of pollutants on selected populations (SEH-A11)

Resources and Resource Management

16. Evaluate the effectiveness of natural resource management in Louisiana (SE-HB4) (SE-H-B5)

17. Analyze data to determine when reuse, recycling, and recovery are applicable (SE-H-B5)

Environmental Awareness and Protection

19. Determine the interrelationships of clean water, land, and air to the success of organisms in a given population (SE-H-C1)

20. Relate environmental quality to quality of life (SE-H-C2)

21. Analyze the effect of common social, economic, technological, and political considerations on environmental policy (SE-H-C3)

22. Analyze the risk-benefit ratio for selected environmental situations (SE-H-C4)

Personal Choices and Responsible Actions

26. Determine local actions that can affect the global environment (SE-H-D4)

27. Describe how accountability toward the environment affects sustainability (SE-HD5)