

Appendix 1: Implementing Teaching Standards

Science

5.L.2 Understand the interdependence of plants and animals with their ecosystem.

- The students will achieve this standard by reading and interacting with the nonfiction texts within the unit as well as through quality questioning and nature walks.

5.L.2.1 Compare the characteristics of several common ecosystems, including estuaries and salt marshes, oceans, lakes and ponds, forests, and grasslands.

- The students will master a portion of this standard by making observations during nature walks and comparing observations with each other.

5.L.2.2 Classify the organisms within an ecosystem according to the function they serve: producers, consumers, or decomposers (biotic factors).

- The students will participate in lessons that will allow students to use their observations and resources to classify organisms within their observed ecosystem.

5.L.2.3 Infer the effects that may result from the interconnected relationship of plants and animals to their ecosystem.

- The culminating activity of the unit will assist the students in observing and understanding interconnected relationships in their observed and researched ecosystems.

ELA

RI.5.3 Explain the relationships or interactions between two or more individuals, events, ideas, or concepts in a historical, scientific, or technical text based on specific information in the text.

- Throughout the unit, students are expected to use several pieces of informational text to explain relationships in ecosystems.

RI.5.7 Draw on information from multiple print or digital sources, demonstrating the ability to locate an answer to a question quickly or to solve a problem efficiently.

- For the final assessment, the students are expected to compile all of the information apprehended and create a solution to the scientific problem of preserving ecosystems.