

Appendix: Implementing Teaching Standards

This unit incorporates first and second grade Common Core Standards for Literacy and Math as well as the North Carolina Essential Standards for Science. It is a cross curricular unit that covers standards from multiple core content areas. All of these standards will be incorporated throughout the unit, relying on each other for the successful completion of this cross curricular unit. The students will demonstrate an understanding through journaling, writing, creating, drawing conclusions, etc.

CCSS.ELA-LITERACY.W.1.3 Students will write narratives in which they recount two or more appropriately sequenced events, include some details regarding what happened, use temporal words to signal event order, and provide some sense of closure. The students will write a fiction story in their writing center in which they create a made up life form that goes through metamorphosis.

CCSS.ELA-LITERACY.W.1.6 With guidance and support from adults, students will use a variety of digital tools to produce and publish writing, including in collaboration with peers. The students will work with a partner to research and create a nonfiction book about a life form that goes through metamorphosis on the iPad using the app Story Creator.

CCSS.MATH.CONTENT.1.MD.C.4 Students will organize, represent, and interpret data with up to three categories; ask and answer questions about the total number of data points, how many in each category, and how many more or less are in one category than in another. The students will be keeping a record on how many days each life form is in each stage. We will graph this data as a class and compare and contrast what we notice.

2.L.1 Understand animal life cycles. 2.L.1.1 Summarize the life cycle of animals by: Birth, Developing into an adult, Reproducing, Aging and death. 2.L.1.2 Compare life cycles of different animals such as, but not limited to, mealworms, ladybugs, crickets, guppies or frogs. Students will focus on the metamorphic changes that butterflies and frogs go through. Students will investigate the similarities and differences between the two through books, iPads, Discovery Ed videos and watching the butterflies and frogs grow and change in the classroom.

Overall Standard 1.L.2 Summarize the needs of living organisms for energy and growth. The students will focus on how plants also go through changes and what they need for those changes to be able to happen. The students will investigate what factors could affect those changes in a plant from happening by altering one factor.