

Living Lab Extension: Habitats: Tardigrades and Moss Habitat

(1st-5th grades)

Common Core Standards for all grades

Reading Foundational Skills supported through optional reading associated with this lesson.

Reading Informational Text achieved through optional reading associated with this lesson.

K-1 NGSS Performance Expectations and Standards

K-LS1-1. Use observations to describe patterns of what plants and animals (including humans) need to survive

K-ESS3-1. Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.

K-1 The Arts Standards (if you build a moss habitat)

(VA:Cr1.1.K) Engage in exploration and imaginative play with materials.

(VA:Cr2.3.K) Create art that represents natural and constructed environments.

(VA:Cr1.2.1) Use observation and investigation in preparation for making a work of art.

2nd grade NGSS Performance Expectations and Standards

LS2.A: Interdependent Relationships in Ecosystems: Plants depend on water and light to grow. Cross cutting concept: Cause and Effect Events have causes that generate observable patterns.

2-LS4-1 Biological Evolution: Unity and Diversity

Make observations of plants and animals to compare the diversity of life in different habitats.

2nd Grade - The Arts Standards (if you build a moss habitat)

(VA:Cr1.2.2) Make art or design with various materials and tools to explore personal interests, questions, and curiosity.

3rd -5th Grade NGSS Performance Expectations and Standards

LS2.A: Interdependent Relationships in Ecosystems

Organisms can survive only in environments in which their particular needs are met.

3-LS4-3 Biological Evolution: Unity and Diversity

Construct an argument with evidence that in a particular habitat some organisms can survive well, some survive less well, and some cannot survive at all.

4-LS1-1 From Molecules to Organisms: Structures and Processes

Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.

5-LS1-1 From Molecules to Organisms: Structures and Processes

Support an argument that plants get the materials they need for growth chiefly from air and water.

3rd -5th Grade - The Arts Standards (if you build a moss habitat)

(VA:Cr2.1.3) Create personally satisfying artwork, using a variety of artistic processes and materials.