

Unit/Topic Title: **How The World Changes**

Trimester: **2nd**

Estimated Time (When): **February (4 weeks) 20 days**

Standard(s)	
2. Life Science 3. Earth Science	
➤ Prepared Graduates: ➤ Explain and illustrate with examples how living systems interact with the biotic and abiotic environment ➤ Analyze the relationship between structure and function in living systems at a variety of organizational levels, and recognize living systems' dependence on natural selection ➤ Describe and interpret how Earth's geologic history and place in space are relevant to our understanding of the processes that have shaped our planet.	
Grade Level Expectation: Preschool	
Concepts and skills students master:	
<ul style="list-style-type: none"> Living things have characteristics and basic needs (2.1) Events such as night, day, the movement of objects in the sky, weather, and seasons have patterns (3.2) 	
Evidence Outcomes	21st Century Skills and Readiness Competencies
Students can: <ul style="list-style-type: none"> Uses senses to gather information about living things (2.1.a) Identify, predict, and extend patterns based on observations and representations of objects in the sky, daily weather, and seasonal changes (3.2.a) 	Inquiry Questions: <ul style="list-style-type: none"> What do living things need to survive? What natural patterns do you notice during the day? What natural patterns do you notice at night? What patterns do you notice in the seasons? What patterns do you notice in weather?
Introductory concepts/outcomes: <ul style="list-style-type: none"> Noticing and discussing patterns in nature over time. 	Relevance and Application: <ul style="list-style-type: none"> Mittens and hats keep people warm when the weather is cold. Different activities of various animals - including humans - are aligned with daily and seasonal patterns.
	Nature of Science: <ul style="list-style-type: none"> Be open to and curious about new tasks and challenges. Explore and experiment.

Essential Vocabulary

- Introductory: nocturnal, opposites in nature (night/day, hot/cold, etc.), same/different, plant, animal
- Mastery: the 5 senses (see, smell, feel, taste, hear), weather (rain, snow, etc.), pattern

Assessments

- Teaching Strategies GOLD™
 - 25. Demonstrates knowledge of the characteristics of living things
 - 23. Demonstrates knowledge of patterns
 - 6. Extends and creates simple repeating patterns
 - 27. Demonstrates knowledge of Earth’s environment

Instructional Resources

- The Creative Curriculum System - Objectives for Development and Learning: Birth Through Kindergarten, pages 126-129 and 132-133.
- FOSS Kits: Weather, Trees, Body and Senses
- Science To-Go Kits: Cold Hard Water