

Lakewold Gardens Deep Discovery Video Series **Curriculum Standards**

Deep Discovery Episode 4 Adapting Landscapes to a Changing Climate

- Explore Nature and Art through Guided Observation.
- Theme: Deep Discovery Script 4 – Adapting Landscapes to a Changing Climate
- Subthemes – Planting practices to increase resilience, Impacts of Climate Change, Plant impacts on warming planet, Science of Color, Energy flow, water conservation, Forest network, Soil formation, Irrigation Design, Measuring Evaporation, Plant competition, Noxious weed impacts...

Washington Visual Arts Standards

(Art Connections included in video – Science of Color, Nature Study/Observation)

Visual Arts (VA) Anchor Standard 7 – Perceive and analyze artistic work.

Performance Standard - Responding

- VA:Re7.1.4 - Compare responses to a work of art before and after working in similar media.
- VA:Re7.2.4 - Analyze components in visual imagery that convey messages.

Washington Music Standards

(Music Activity included in video -Sound and Instrument Materials)

Music (MU) Anchor Standard 11 - Relate artistic ideas and works with societal, cultural, and historical context to deepen understanding.

Performance Standard - Connecting

- MU:Cn11.1.4- Demonstrate understanding of relationships between music and the other arts, other disciplines, varied contexts, and daily life.

Environmental & Sustainability (ESE)

ESE Standard 2: The Natural and Built Environment. Students engage in inquiry and systems thinking and use information gained through learning experiences in, about, and for the environment to understand the structure, components, and processes of natural and human-built environments.

Next Generation Science Standards (NGSS)

Physical Science

- 4-PS3-2 - Make observations that energy can be transferred from place to place by sound, light, heat, and electrical currents.

Life Science

- 4-LS1-1 - Construct an argument that plants and animals have internal and external structures that function to support survival, growth, behavior, and reproduction.

Earth and Space Science

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- 4-ESS2-1 -Make observations and/or measurements to provide evidence of the effects of weathering or the rate of erosion by water, ice, wind, or vegetation.
- 4-ESS2-2 – Analyze and interpret data from maps to describe patterns of Earth’s features.

Engineering Design (Design Irrigation System)

- 3-5-ETS1-1. Define a simple design problem reflecting a need or a want that includes specified criteria for success and constraints on materials, time, or cost.
- 3-5-ETS1-2. Generate and compare multiple possible solutions to a problem based on how well each is likely to meet the criteria and constraints of the problem.