

3rd Grade

“Secrets of Desert Plants”

2 hours

FIELD TRIP OVERVIEW

Theme: Each part of a plant has a specific job to do. Desert plants have special adaptations to help them thrive in the desert.

Desired Outcomes

Students will be able to:

1. Name the desert we live in.
2. Describe the characteristics of a desert.
3. Explain the importance of water to plants in the desert.
4. Identify three of the main structures of a plant.
5. Describe the function(s) of each plant structure.
6. Identify the adaptations different plants utilize to survive in the desert.

Standards

Science –

Strand 1: Inquiry Process- Concept 1: Observations, Questions and Hypotheses

PO 1. Formulate relevant questions about the properties of objects, organisms, and events of the environment using observations and prior knowledge

PO 2. Predict the results of an investigation based on observed patterns, not random guessing

Strand 1: Inquiry Process- Concept 2: Scientific Testing

PO 4. Use metric and U.S. customary units to measure objects.

PO 5. Record data in an organized and appropriate format (e.g., t-chart, table, list, written log)

Strand 4: Life Sciences- Concept 1: Characteristics of Organisms

PO 1. Describe the function of the following plant structures: roots, stems, leaves

Strand 4: Life Sciences- Concept 3: Organisms and Environments

PO 5. Describe how environmental factors (quantity of water) in the ecosystem may affect a member organism’s ability to grow, reproduce and thrive

Strand 4: Life Sciences- Concept 4: Diversity, Adaptation, and Behavior

PO 1. Identify adaptations of plants and animals that allow them to live in specific environments

Math-

3.NBT.A.2- Fluently add and subtract within 1000 using strategies and algorithms based on place value, properties of operations, and/or the relationship between addition and subtraction.

3.MD.A.2- Measure and estimate liquid volumes and masses of objects using metric units.

3.MD.B.4- Generate measurement data by measuring lengths using rulers marked with halves and fourths of an inch to the nearest quarter-inch

Theater- Strand 1: Create- Concept 1: Collaboration

PO 102. Cooperate in the dramatic process

ELA-

3.SL.1: Engage effectively in a range of collaborative discussions with diverse partners on grade 3 topics and texts, building on other’s ideas and expressing their own clearly.

3.SL.1.b: Follow agreed-upon rules for discussions (e.g., gaining the floor in respectful ways, listening to others with care, speaking one at a time about the topics and texts under discussion).

3.SL.1.c: Ask questions to check understanding of information presented, stay on topic, and link their comments to the remarks of others.

3.SL.1.d: Explain their own ideas and understanding in light of the discussion.

Desert Botanical Garden Sonoran Desert Adventures

- 3.SL.3: Ask and answer questions about information from a speaker, offering appropriate elaboration and detail.
- 3.SL.6: Speak in complete sentences when appropriate to task and situation in order to provide requested detail or clarification.