

The Field Museum Education Department Presents

*The Field Museum of Natural History
Harris Educational Loan Office*

Educators' Guide

Content Descriptions of Experience Boxes Relating to the “Traveling the Pacific” Exhibit

The Field Museum Education Department develops on-line Educators' Guides to provide detailed information on field trip planning, alignment with Illinois State Goals and Learning Standards, as well as hands-on classroom activities to do before or after your visit to the Museum.



1. Volcanoes

Volcanoes are clues to the constant changes of the earth's surface. Each “Volcanoes” experience box includes the following educational materials:

- A. 1 map of the Pacific Ocean.
- B. 1 information poster describing the eruption of Mount St. Helen's.
- C. Book (illustrated) **Volcanoes and Earthquakes**.
- D. 2 video cassette tapes “Rivers of Fire” (28:10) and “Kilauea: Close-up of an Active Volcano (30:00).”
- E. Large model of a volcano and its inner parts including associated laminated cards.
- F. Representative portion of basalt rock.
- G. Representative portion of pumice rock.
- H. Representative portion of obsidian.
- I. Representative portion of volcanic material.
- J. 3 different types of sand.
- K. Representative portion of cinder.
- L. Ash from Mount St. Helen's mixed with water.
- M. Ash from Mount St. Helen's without water.
- N. Teachers' notes and student activities.

2. Coconuts

Coconut palms, found throughout the tropics, provide food, shelter, and clothing. Each “Coconuts” experience box includes the following educational materials:

- A. 1 book - **What are Fronds for?**
- B. 1 can of dried, shredded baker's coconut.
- C. Representative portion of coconut fiber (husk).
- D. 1 rope made from coconut fiber.
- E. 2 coconut halves.
- F. 1 leaf basket made from fronds.
- G. Suntan lotion containing coconut oil.
- H. Teachers' notes, student activities, and a copy of “Traveling the Pacific” Exhibit Guide.

3. Pacific Islands: Dress and Adornment

Learn about Pacific Islanders' traditions of dressing up by making bark cloth (tapa), leis, and tattoos. Learn how to wrap a pareu, the traditional one-piece garment. Each “Pacific Islands: Dress and Adornment” experience box includes the following educational materials:

- A. Products and stories relating to the tapa/kapa cloth.
- B. A section of the Wauke plant.
- C. A small exhibit showing the kapa process.
- D. Representative portion of kapa cloth.
- E. Representative portion of touchable watermarked kapa cloth.
- F. Printed cloth for pareus.
- G. 1 lei made out of shells.
- H. 1 raffia skirt.
- I. Faces - a magazine about cloth.
- J. 1 book - **Pacific Island Neighbours**.
- K. 1 book - **Hawaiian and Easter Island Designs**.
- L. Teachers' notes, student activities and a copy of “Traveling the Pacific” Exhibit Guide.

4. Hawaiian Music And Dance

Six musical instruments help you make Hawaiian music. An audiotape and videotape provide instructions and information about traditional Hawaiian music and dance. Each “Hawaiian Music and Dance” experience box includes the following educational materials:

- A. 1 book - **How to Make Your Own Musical Instruments.**
- B. 1 book - **Pacific Island Neighbours.**
- C. 1 informational poster entitled, “Ancient Hawaiian Musical Instruments.”
- D. 7 different Hawaiian percussion instruments.
- E. 1 Audio cassette tape entitled, “Ancient Hawaiian Musical Instruments.”
- F. 1 Video cassette tape which demonstrates and interprets the dances (traditional and modern) and the musical instruments of the Hawaiian Islands.
- G. Teachers’ notes, student activities, and a copy of “Traveling the Pacific” Exhibit Guide

5. Ocean Highways, Ocean Harvest

Explore materials that explain how Pacific Islanders sailed vast oceans without modern navigation equipment. “Each Ocean Highways, Ocean Harvest” experience box includes the following educational materials:

- A. 1 small-scale model of a Marshall Island outrigger canoe.
- B. 1 stick chart.
- C. 1 modern fishing lure.
- D. 1 book - **Pacific Island Neighbours.**
- E. 1 video cassette tape - “The Navigator” (7:11).
- F. Teachers’ notes, student activities, and a copy of “Traveling the Pacific” Exhibit Guide.

6. How Seeds Travel

A variety of seeds as well as other educational materials help introduce the importance of seed-forming plants and demonstrate seed dispersal. Each “How Seeds Travel” experience box includes the following educational materials:

- A. Specimen boxes of American Elm, American Lotus, Blue Spruce, Burdock, Climbing Bittersweet, Dandelion, Eastern White Pine, Milkweed, Queen Anne’s Lace, Tick Trefoil, Tree of Heaven, and White Oak seeds.
- B. 1 book - **Seeds, pop! stick! glide!**
- C. 2 forceps.
- D. Several handheld lenses.
- E. Color photographs of the plants that correspond to the appropriate seed.
- F. Teachers’ notes and student activities.

Note: Teachers can obtain a comprehensive listing of organism exhibit cases as well as other educational materials from the Harris Educational Loan Office that may supplement the experience boxes mentioned above.