

# The Delicate Connection of People and the Biology of the Rainforest: Implications for Curriculum (Grades 3-8) TEED648N

---

## Sample Day:

### Day 2 Introduction to Cloud Forest Ecology

---

*What do we notice about the layers of the rainforest?*

*Skills: photographing and journaling, inquiry through observation*

#### **Recommended Readings:**

Wallace, D. R. (2001). Reefs, rainforests, caves, ruins, and rookeries. In S. Place (Ed.), *Tropical rainforests: Latin American nature and society in transition* (2<sup>nd</sup> ed., pp. 213-221). Wilmington, DE: Scholarly Resources.

#### **Santa Elena Reserve**

The philosophy of the Santa Elena Reserve is unique in that long-term sustainability is a concern of, not just the reserve, but of the community as a whole. Proceeds from entrance fees, guided tours and the souvenir shop are either reinvested in the management of the reserve or are channeled to the Santa Elena High School to help upgrade technology and fund courses in environmental education, biology, agriculture, languages and tourism. In using the reserve as a natural classroom, students and teachers harness an unlimited educational resource that can be used for activities ranging from studying tropical plant ecology to leading tours. Teachers will go on an investigative walk to discover aspects of the rainforest through observation. Mark Wainwright and Jorge Torres will co-facilitate a discussion on rainforest ecology.

**Mark Wainwright** grew up in England, went to university in the United States, obtaining a BA at Middlebury College in Vermont in 1990, and has lived in Monteverde, Costa Rica since 1991. He and his Costa Rican wife, Patricia, have two sons, Mark (16) and Kyle (4). He works independently as an illustrator, writer, instructor for tropical ecology courses, and naturalist guide. He has also worked as a field assistant for research projects on amphibians and butterflies. His publications include five titles in the Costa Rica Field Guide series: *Mammals, Reptiles, Amphibians, Tracks, and Cloud Forest Birds*. He has illustrated two similar guides for Belize and one for Panama. He has written and illustrated two books: *"The Natural History of Costa Rican Mammals"* (2000) and the children's book *"Jungle Jumble"* (1997). Currently he is finishing work with a colleague on a compact disc of Costa Rican frog calls.

7:30 am Breakfast

8:30 am Leave for Santa Elena Cloud Forest Reserve

9:00 am Guided exploration of the cloud forest

12:45 pm Box lunch in the field

2:00 pm create displays about the rainforest using photos and notes

3:30 pm Present displays; discussion

6:00 pm Dinner at Los Llanos

7:00 pm Night walk

9:00 pm Stay in Los Llanos Field Station