**DOCENT MANUAL**

**Table of Contents**

|  |  |
| --- | --- |
|  **I. Docent Program Information** |  |
| * Docent Program Description
 | 1 |
| * Important Contact Information
 | 2 |
| * Docent Roles and Service Excellence
 | 3-9 |
| * Docent Task List – Incline Village
 | 10 |
| * Docent Task List – Tahoe City
 | 11 |
| * Docent Pledge
 | 12 |
| * Visitor Tracking Form
 | 13 |
| * Docent Hours Tracking Form
 | 14 |
|  |  |
|  **II. Exhibits of the Tahoe Science Center** |  |
| * Tour Cheat Sheet
 | 1-2 |
| * Introduction and Exhibit Messages
 | 3-7 |
| * Welcome Tour Groups and Individuals
 | 8-9 |
| * Lake Tahoe Basin Watershed Map
* Key Physical Features of the Tahoe Basin
* Turning on the Science Center
	+ Front Desk Computer
	+ Lake Tahoe in Depth Screens
	+ Small Touch Screen Near Buoy
	+ “Shaping Watersheds” Augmented Reality (AR) Sandbox
	+ Aquarium Lights
	+ Microscope
	+ Large TV Monitor Next to Elevator
 | 10-1213-15161617181819-2020-21 |
| * Operating the Video Exhibits
 | 22-25 |
| * Troubleshooting the Exhibits
 | 26-30 |
| * Video Exhibit Script, Talking Points, Questions/Discussion
 |  |
| * + Virtual Research Vessel – Chapter 1
 | 31-34 |
| * + Virtual Research Vessel – Chapter 2
 | 35-41 |
| * + Virtual Research Vessel – Chapter 3
 | 42-48 |
| * + Virtual Laboratory – Chapter 1
 | 49-55 |
| * + Virtual Laboratory – Chapter 2
 | 56-59 |
| * + Virtual Laboratory – Chapter 3
 | 60-64 |
| * Research in Action Photo Wall
 | 65-67 |
| * 3-D Visualization Lab
 |  |
| * + Operating the 3D Visualization Lab
 | 68-69 |
| * + Troubleshooting the 3D Visualization Lab
 | 70-71 |
| * Self-Guided Exhibits for Science Center Tour Extensions
	+ Take Care Tahoe Exhibit
	+ Green Building Exhibits
	+ Forest Health and Fire Exhibit
	+ Tree Identification Exhibit
	+ Lake Tahoe In Depth Touchscreen Exhibits
 | 7272737374-85 |
| * Green Building Tours
 |  |
| * + Green Tour Introduction
 | 86 |
| * + Green Building Information
 | 87-94 |
| * + Green Building Tour Talking Points
 | 95-109 |
| * + Green Building Systems
 | 110-123 |
| **III. Eriksson Education Center** |  |
| * Tahoe City Field Station General Information
 | 1 |
| * Introduction to the Eriksson Education Center
 | 2 |
| * Daily Docent Duties
* Tour Guidelines/Cheat Sheet
 | 3-45-6 |
| * Background Information
 | 7-8 |
| * Interior Exhibit Panels
 | 9 |
| * Timeline (History of the Hatchery and Introduced Species)
 | 10-12 |
| * Interactive Exhibits on the Touchscreen Monitor
 | 13-14 |
| * Microscope Use
 | 15-16 |
| * Outdoor Interpretive Panels
 | 17-19 |
| * Best Management Practices
 | 20-21 |
| * Plant Identification Signs
 | 22-23 |
| * Historic Food Web Poster Talking Points
 | 24 |
| * Current Food Web Poster Talking Points
 | 25-28 |
| * Citizen Science (Phenology and Water Quality)
 | 29-39 |
| * + Sample Stream Monitoring Data Sheet
 | 40-41 |
| * + Sample Phenology Form (Bigleaf Lupine)
 | 42-43 |
| * Frequently Asked Questions
 | 44 |
|  |  |
|  **IV. Science and Research at Lake Tahoe** |  |
| * Environmental Problems Facing Lake Tahoe
 | 1-4 |
| * TERC Research at Lake Tahoe
 | 5-15 |
| * Lake Tahoe Facts
 | 16-20 |
| * Protecting Lake Tahoe
 | 21-23 |
| * Four Decades of Change – by Dr. Charles Goldman
 | 24-27 |
|  |  |
|  **V. Additional Resources** |  |
| * Important Acronyms
 | 1 |
| * Lake Tahoe Vocabulary
 | 2-4 |
| * Limnology
 |  |
| * The Secchi Disk
 | 5-6 |
| * Research Vessel John LeConte
 | 7-8 |
| * Research Buoys on Lake Tahoe
 | 9 |
| * Wetlands 101
 | 10-12 |
| * Biology
 |  |
| * Species of Lake Tahoe’s Aquatic Food Web
 | 13 |
| * Lake Tahoe Species Introduction Timeline
 | 14 |
| * Changes in the Aquatic Food Web
 | 15-19 |
| * Fishes of the Lake Tahoe Basin
 | 20-26 |
| * Lahontan Cutthroat Trout
 | 27-30 |
| * Geology
 |  |
| * Structure of the Earth
 | 31-32 |
| * Earthquakes
 | 33-40 |
| * Tahoe Geology
 | 41-55 |
| * Tahoe Basin Geologic Timeline
 | 56 |
| * Geologic Time Scale of the Sierra Nevada
 | 57 |
| * Tsunami in Lake Tahoe
 | 58-59 |
| * Lake Tahoe Report Articles
 |  |
| * What Do Watersheds Matter?
 | 60-61 |
| * How the Lake Interacts with its Watershed and Ecosystem
 | 62 |
| * How Erosion Hurts Water Quality
 | 63-64 |
| * Why Measure Water Quality at Lake Tahoe?
 | 65-66 |
| * Can Lake Tahoe Be Saved?
 | 67-68 |
| * Where Does Tahoe Water Pollution Come From?
 | 69-70 |
| * Best Management Practices (BMPs)
 | 71-72 |
| * Under the Water – Phytoplankton
 | 73-74 |
| * Under the Water – Periphyton
 | 75-76 |
| * Tahoe’s Natural History
 | 77-78 |
| * Maps
 |  |
| * + Watersheds in the Lake Tahoe Basin
 | 79 |
| * + Lake Tahoe Bathymetry
 | 80 |
| * + Lake Tahoe Geologic Map
 | 81 |
| * State of the Lake Report Flyer
 | 82-83 |
| * Citizen Science App Flyer
 | 84-85 |