



CSI Learning Objectives

Lr³ Citizen Science Initiative 2025

Orientation

- Know how and why to rinse off frequently and practice this
- Know what a Desiccant is and see it in action
- Understand how to use dry composting toilets
- Understand and use a restricted water shower system
- Know, understand and practice “Leave No Trace” principles
- Know understand and practice proper human wildlife interaction in your immediate environment
- Know and understand local environmental hazards

Environmental class “Your direct impact”

- Know and understand what Eutrophication is
- Know and understand why not to feed the wildlife outside of your immediate environment
- Know what a carbon footprint represents and what yours is in getting to this location
- Know the types of engines used in boat transportation and their different impacts
- Know and understand the recourse of your consumption “voting with your dollar”

Science education “what’s important” Looking through the eyes of a scientist

- Know, understand and use the scientific method
- Know, understand and use scientific note taking practices
- Know how to communicate with a scientist analyzing and interpreting data

Sustainability and off grid systems

- Know 3 different types of systems for disposing of human waste
- Know and understand extended composting systems for food scraps
- Know and understand rain water collection systems
- Know and understand water purification systems
- Know and understand sources of electricity
- Know and understand basic solar power systems for residential systems

Environmental studies visit the north and document human impact

- Know the basic cultural benefits and pitfalls of tourism
- Know the basic economic benefits and pitfalls of tourism
- Witness costal development and briefly understand the basics of environmental impact assessments and environmental compliance plans.
- Know and understand the logistic challenges of building in protected areas
- Know and understand cultural challenges of environmental policies and enforcement

Pollution and cleanup

- Identify global sources for marine pollution
- Know and understand the major impacts of pollution
- Know and comprehend the volume of global; marine pollution
- Participate in marine pollution cleanup

Actions:

International Travel
Volunteer (trash cleanup)
Kayak
Snorkel
Dive
Nature watching

Living on remote island
Visiting tourist site
Participating with local guides
Visit with local fishermen
Visit National park