Introduction
Combines a monument and outreach foundation study center. The monument is a very permanent sculpture system rendered in granite and continuously purifying water. The five-acre functioning waterwork is explained by a series of pictographic bass reliefs designed to be deciphered far into the future. A path meanders through the ponds and streams to each relief, beckoning visitors to ponder the significance of the installation. Each relief details the step in the purification process, how to maintain the step and where to find consumables such as alum and iodine.

The study center is a multidisciplinary foundation providing the nucleus for research, education, and outreach fostering responsible use of water resources both at the site and around the world. Activities at the center would include workshops, tourism, high-tech research and the typical business functions of a not-for-profit foundation.

Learning Goals
- teach distant generations water purification
- explain current environmental priorities
- foster environmental activism around water purity

Packaging - message container or technology
- redundancy and replication
- no reliance on electronics
- uses well-known manufacturing technologies
- uses granite cliff
- gravity-powered
- social organization component
- leverage existing aid organizations
- locate at third world dam to minimize environmental impact

Content - lesson to be taught
- Learning takes place in communities of practice
- Expertise develops through practice
- Prior knowledge mediates learning
- Learning enhanced through visibility, collaboration and reflection
- collaborative social process
  — Penuel & Rosche (1999)

Success factors
- Longevity - message transferred over 10 millennia
- Manufacturability/Affordability - created without destroying our culture
- Pedagogically sound - achieves learning goals

Scenario of Use
Community outreach is achieved through a doctrine of spreading the knowledge of water purification and waterworks construction techniques

Study center sits atop the water flow
open cisterns invite discovery

Redundant pools compensate for lack of maintenance

Learning theories
- lesson to be taught
- expert systems
- knowledge in the making

Long View
The long view fosters social responsibility

Rosetta Disk
"Inspires communication between distant historical moments and diverse cultures"
creator: Long Now
media: stone
date: 01882, not complete

Ise Shinto Shrine
"Worship Shinto gods"
creator: Emperor Jito
date: 00700 AD
media: carved basalt

Easter Island Moai
"We hold up the sky"
creator: Island Chiefs
date: 00692 AD
media: wood

Rosetta Stone
"I hunt these animals"
creator: prehistoric man
date: 028,000 BC
media: charcoal

Great Spynx of Giza
"I rule you"
creator: Pharaoh Cheops
date: 02500 BC
media: limestone

Chavet painting
"Make clean drinking water"
creator: Legacy Learning Foundation
date: 02020 AD
media: granite, basalt, water

Grey Spynx of Giza
"I rule you"
creator: Pharaoh Cheops
date: 02500 BC
media: limestone

Rosetta Disk
"Worship God"
creator: Catholic Church
date: 02000 AD
media: nickel

Millenium Clock
"The long view fosters social responsibility"
creator: Long Now
media: bronze
date: 02005 AD

Waste Isolation warning
"Don't dig here"
creator: US government
date: 02010
media: dirt, aluminum, granite

Scenarios of use
- Pedagogically sound - achieves learning goals
- Manufacturability/Affordability - created without destroying our culture
- Longevity - message transferred over 10 millennia

Success factors
- Longevity - message transferred over 10 millennia
- Manufacturability/Affordability - created without destroying our culture
- Pedagogically sound - achieves learning goals

Jeremy Kemp | John Kim | Adrienne Slaughter | James Sulzen | Education 229B | Stanford University | Christopher Hoadley, PhD | December 6, 2000