Indigenous Arts and Science for Schools and Communities

Maria Moreno, Ph.D.
10 Steps build capacity to restore native habitat and enhance ecological literacy across age, discipline, learning style, culture, and place.

10 Restoration Education Steps

- Learn: language arts, science, math, social studies, music, art
- Study: native species, habitats and ecosystems
- Engage: with community partners and resources
- Investigate: site history, historical maps, documents, oral histories
- Analyze: soil, water, slope, sun/shade, vegetation, physical and aesthetic qualities
- Research: ask questions, make observations throughout the restoration process
- Manage: invasive species (weeding, clipping, mowing, prescribed burning, signage)
- Prepare: the site, remove existing vegetation, layout the design
- Plan: a butterfly garden, rain garden, grassland, woodland or wetland restoration
- Plant: sow seeds, transplant seedlings and celebrate!
Indigenous Arts and Sciences

Bring people together interested in linking environment and health to academic achievement.

Partner with communities to broaden participation and generate enthusiasm among Native youth for their education and careers.

Integrate Indigenous perspectives and experience with Earth Partnership’s ecological restoration.

Address the needs of K-20 educators for culturally accurate and authentic resources across the curriculum.
Building Relationships

- Dialogues
- Participating in Community Events

“These meetings are a great example of how a community comes together and works on a common agenda – focused on improving the lives of youth.”

Face to Face Communication!
Professional Development for Teachers and Community Members

Arboretum
University of Wisconsin-Madison
Learning from the Land for Youth
Indigenous Arts & Sciences
Accomplishments

Teachers and Community members - 125
High School Students – 36
Training hours – 8,160
Classroom Activity Hours – 9,700