

Partners In Education Program Handbook

Our Program

Moanalua Gardens Foundation (MGF) invites grades 4-6 teachers to participate in our exciting *Partners in Education Program*.

Our Mission

We are committed to preserving and perpetuating the native culture, environment, and people of Hawai‘i through education.

Our History

MGF is a non-profit 501(c)(3) education organization. From a modest beginning in 1970 that centered on educating the community about the area of Moanalua, the Foundation has developed into a respected environmental education organization.

MGF’s programs extend statewide to students, teachers, and the general public, with a wide array of services including an in-depth school program, production of educational materials focused on Hawaiian culture and the environment, *Exploring the Islands*, an award-winning distance learning series televised weekly on Hawai‘i Public Television during the school year, and workshops for public and private school teachers.

MGF also offers Weekend Walks into Kamananui Valley in Moanalua and annually presents the oldest and largest non-competitive hula event in the state, the Prince Lot Hula Festival.

MGF is committed to providing on-going support to teachers who demonstrate a strong interest in developing cultural and environmental awareness among students. We offer a lively combination of classroom presentations and field trip experiences focusing on the Hawaiian environment in partnership with dedicated grades 4-6 public and private school teachers on O‘ahu and Moloka‘i. The program is unique in providing hikes and bus tours in conjunction with multiple classroom visits fostering in-depth understanding and awareness of the special natural and cultural heritage of Hawai‘i.

The objective of the *Partners in Education Program* is to assist teachers and students in gaining knowledge and understanding about our island home, to meet new educational standards by providing updated Hawai‘i-based curriculum materials, and to promote student involvement in action projects that contribute to healthy, sustainable island communities.

To this end, we develop partnerships with dedicated teachers, offer the *Exploring the Islands* television series for 4th graders, lend teacher resource kits to program participants, and produce curricula, videos, and CD-ROMs.

Admission to the *Partners in Education Program* is through an application process in March-May prior to the school year that services are rendered.

Our Partnership, Our Kuleana

In our partnerships, each program participant has a *kuleana*, a responsibility, to ensure the success of the association. Experience has shown us that the most effective and rewarding partnerships are with teachers who share a commitment to MGF’s mission. To ensure the success of our partnership please:

- ✓ Be familiar with unit plans provided by MGF for the content we both agree to cover.
- ✓ Prepare students before and after each class and field trip presentation utilizing recommended resource materials.
- ✓ Be present for our classroom presentations and field trips.
- ✓ Complete an annual written evaluation to help us make improvements in the program.
- ✓ Become a paid member of MGF; special rates apply to teacher participants.

I have read the MGF *Partners in Education Program Handbook* and agree to my responsibilities and those promised by MGF.

_____	_____	
signature	signature	
_____	_____	
signature	signature	
_____	_____	_____
school name	date	grade level

Program Fees

- ✦ \$50 per classroom presentation, 60 students max.
- ✦ \$3 per student per field trip.
- ✦ Each grade level will receive billing statements for all scheduled class and field trip presentations at the start of the school year.
- ✦ Fees are payable by the day of each presentation.
- ✦ Purchase orders are accepted.
- ✦ Each participating teacher in the program is asked to be a paid member of MGF by the start of the school year (\$10 teacher membership).

Hawai‘i Needs Care Contest

MGF awards \$500 each year to a school, grade level or class project that demonstrates stewardship for the environment. We encourage you to become involved in caring for our environment in a hands-on way as it can leave a lasting impression on students. Visit the Taking Action pages at www.mgf-hawaii.org where you will find descriptions of winning projects as well as links to organizations that can assist you in carrying out your own project.

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Classroom Presentations – Each presentation is 75 minutes.

- ♦Geology of Hawai‘i: Structure of the Earth, life cycle of shield volcanoes, the hot spot, and Hawaiian mo‘olelo.
- ♦Water Systems of Hawai‘i: Water cycle, sources of water (ground, surface, dike, and artesian springs), water pollution, and conservation.
- ♦Geography of Hawai‘i: Dispersal of native species, major habitat zones and plant and animal inhabitants.
- ♦Native Hawaiian Plants & Animals: Endemic and indigenous species, dispersal methods, habitats, adaptations, and evolution of species.
- ♦Wetlands & Water Birds of Hawai‘i: Native water birds and wetlands, and protection and management issues.
- ♦Humans & the Environment: Human impact on Hawai‘i (introduced species, etc.) from Polynesian settlement to European contact, and current issues.
- ♦Development of Hawaiian Society: Location of settlements, population, food production, government, and cultural response to the environment from initial settlement until 1795.
- ♦Moanalua Traditions: The history of O‘ahu and the ahupua‘a of Moanalua, and the conquest of O‘ahu by Kamehameha the Great.
- ♦Preparation for Big Island Trip: Geology, plants and animals, gods, famous places, and history of the island of Hawai‘i.

Field Experiences – Each trip follows one or more classroom presentations.

- ↙ All field trips are 6 hours.
- ↙ 60 students max per field trip except Water Birds of O‘ahu, max 30.
- ↙ One adult chaperone for every 12 students.
- ↙ Schools are responsible for arrangements with and payment to bus company.
- ↙ MGF handles all required permits.

HIKES

All hikes are preceded by Native Hawaiian Plants & Animals and Humans & the Environment classroom presentations.

- ♦Aiea Loop Trail: Moderate 3 mile round-trip hike through patches of native forest species and including interpretation of Keaiwa Heiau in Aiea State Recreation Area.
- ♦Hau‘ula Loop Trail: Moderate 2.5 mile loop hike through patches of native forest species with beautiful views to the ocean.
- ♦Kamananui Trail: Easy 3 mile round-trip hike up a jeep road in Moanalua with stream crossings, a dramatic view and a unique petroglyph rock, *Pōhakukaluahine*.
- ♦Mānana Ridge Trail: Moderate 3 mile round-trip forest hike above Pacific Palisades in Pearl City with panoramic views.
- ♦Maunawili Trail: Moderate 3 mile round-trip at the foot of the Ko‘olau *pali* with native forest species and spectacular views.

BUS TOURS

- ♦Ko‘olaupoko: A geology tour around the southeast end of O‘ahu from Pu‘u o Kaimukī, past Hanauma Bay, around Makapu‘u point to Waimānalo Beach Park (lunch stop), including Kāne‘ohe Bay Overlook, and the Nu‘uanu Pali.
- ♦Mokupuni o O‘ahu: A tour of windward, northern and central O‘ahu focusing on history and traditions with stops at He‘eia, Kualoa, Kahana Bay, Laniloa Point, Mālaekahana State Park (lunch stop), Paumalū, Pūpūkea, Waimea Bay, Lili‘uokalani Church in Hale‘iwa, and the birthing stones at Kūkaniloko in Wahiawā.
- ♦Wai‘anae Coast and Kuaokalā Ridge Trail: A tour encompassing geology, history and traditions, native plant life and human impact including stops at Ulehawa Beach, Pu‘u Mā‘ili‘ili, Kū‘iliiloa Heiau, Pōka‘ī Bay (lunch stop), Kāneana Cave, Keawa‘ula, and a hike on the Kuaokalā summit ridge above Ka‘ena Point Satellite Tracking Station.
- ♦Water Birds of O‘ahu: A bird-watching tour with stops at Kualoa Regional Park, the Natural History Museum at Brigham Young University in Lā‘ie, Mālaekahana State Park (lunch stop), and the James Campbell National Wildlife Refuge in Kahuku.
- ♦Water Resources of O‘ahu: A tour focusing on the fresh water resources of our island, with stops at the Board of Water Supply’s Fred Ohrt Museum or Nu‘uanu Reservoir, Kaluaao artesian springs at the Sumida watercress farm, Waiāhole ditch, Lake Wilson at Wahiawā State Fresh Water Park (lunch stop), and Kunia Reservoir.

