



MATH/SCIENCE NUCLEUS

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Application for MSN Environmental Intern Projects (2016-2017)

Lam Research Foundation has funded us to continue our Environment Internships sponsored by the Math Science Nucleus. This year we will continue our chemical and microorganism of fresh water aquatic systems, but we are adding cultural landscape (how environment and humans evolve). Dr. Karen Anderson, Archeologist will be added to as one of our mentors. Dr. Joyce Blueford, Geologist will continue as mentor. About 10 students will be selected. To qualify they need to have taken one year of science in high school and need to be a sophomore or higher. They would have to attend two 3 day **training session (July 12,13,14) at Tule Ponds at Tyson Lagoon and (July 26,27,28) at California Nursery Historical Park. Both sessions are from 9:30 am - 3:30pm.**

Interns will learn about environmental issues in the local area. They will learn how to the analyze water for nutrients and elements using probes and spectrophotometers. They will learn about soil, composting, and importance in restoration. They will learn different techniques of restoration especially on what tools to use. Students will learn about how microorganisms can help determine the health of environment, and many other environmental parameters include how humans have changed the environment through archeological techniques. Each day will blend lecture and outdoor experience.

This internship is meant for students who are serious about science and applying their knowledge to solve a problem. In an email send the following information to Dr. Blueford (blueford@msnucleus.org). Deadline is May 10, and acceptance emails will be send by June 1.

Name _____

School _____ Grade _____

Email _____ Phone _____

What city do you live in? _____

List your science classes and teacher: _____

Why should we select you to be a Scientific Intern? (5 sentences maximum)

What is your greatest strength? (2 sentences maximum)

Tell me about a time that you participated in a team, what was your role? (3 sentences maximum)