



MATH/SCIENCE NUCLEUS

4074 Eggers Drive

Fremont, California 94536

(510) 790-6284

msn@msnucleus.org <http://msnucleus.org>

Application for MSN Environmental Intern Projects (2018-2019)

Lam Research Foundation has funded us to continue our Environment Internships sponsored by the Math Science Nucleus. This year we will concentrate on chemical analysis of both water and soil (if we get funded for a carbon monitor). We will work more on our native trees and care of trees that we have planted at Masonic Home.

Interns will learn about environmental issues in the local area. They will learn how to 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 week will blend lecture and outdoor experience.

Meeting days (Thursday and Friday) will be scheduled so students can collect and interpret data over a longer period of time. There are 10 dates including June 21, 22, 28, 29, July 12, 13, 19, 20, Aug 9, 10. Times: 9-12 noon. Specific tasks will be provided after you are accepted.

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 April 25, and acceptance emails will be sent by May 9. Students that are currently in 9th-11th grade can apply.

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)