



MATH/SCIENCE NUCLEUS

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Application for MSN Environmental Intern Projects (2019-2020)

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. 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. Students will also learn how to continue environmental projects at their school. Each week will blend lecture and outdoor experience.

Meeting days will be scheduled so students can collect and interpret data over a longer period of time. Dates are June 24-28, July 1,2, and July 8-12 from 9:00-12:00. Specific focus is posted online (http://msnucleus.org/events/lam/enviro_intern2019.html) and may vary depending on instructor availability. Students may be able to continue working on their project during the rest of the summer.

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 1, and acceptance emails will be sent by May 1. 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)