**Title:** Assessing Environmental Change in Southwest Florida

**Research Advisor:** Dr. Molly Nation, Assistant Professor of Environmental Education, FGCU Dr. Joanne Muller, Associate Professor of Paleoclimatology, FGCU.

**Dates:** June 15th - June 19th, 2020 8:30AM-2:00PM

June 15th and 16th at Vester Field Station - 5164 Bonita Beach Rd SW, Bonita Springs, FL 34134

June 17th, 18th, 19th at FGCU Main Campus - 10501 FGCU Blvd S, Fort Myers, FL 33965

**What to expect:** The participating girls will learn content on issues of water quality in Southwest Florida and climate change. Drs. Muller and Nation will mentor students in the latest climate change research and how it is related to south Florida. The participating girls will get an opportunity to do scientific field work. They will be taken out on a boat and mentored in field methodologies. They will collect all of their own samples that they will bring back to the laboratory. The participating girls will engage in authentic scientific research at FGCU. They will be mentored in laboratory practices and they will use state-of-the-art laboratory instruments in their analyses. The participating girls will gain invaluable skill in collecting, interpreting, and presenting data to the community.

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**Return this two-page application with your essay (info below) via mail or email by May 1st to Dr. Nation,** **mnation@fgcu.edu****. Please do NOT send google docs.**

**Molly Nation**

**Assistant Professor**

**Department of Ecology and Environmental Studies**

**Florida Gulf Coast University**

**Phone number: 239-590-7242**

**Address: Whitaker Hall, room 210**

**10501 FGCU Blvd. South**

**Fort Myers, FL 33965**

**Information Form (please print or type)**

Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Current Grade Level\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Email contact \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Current GPA\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

High School Attending \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ County \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Have you decided if you will attend college? Y/N

If yes, have you decided where you might attend college? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Anticipated degree area and career \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***References: Please provide the name of one of your science teachers and a second reference whom we might contact.***

Name of Science Teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Courses you have taken with the science teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact email and phone # for science teacher: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Name of Second Reference: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Significance/Relationship of second reference: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Contact email and phone # for second reference: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

***One of the goals of this program is to provide opportunity to girls with socio-economic need. Please answer the following:***

Persons in Household \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Family Income <$25,000, $25,000-40,000, 40,000-60,000, >60,000

*\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_*

*I understand that by applying to this research opportunity I will be obligated to complete* ***all camp days and hours*** *outlined above. I also understand that I must to adhere to all FGCU rules and regulations while on their campus and that I will be reporting directly to Dr. Nation, her research students, or teacher researchers attending the program. Any rule violation may be cause for immediate dismissal from the program.*

Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Parent Signature: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Essay Form**

*Please provide* ***up to 300 words*** *indicating why you are interested in this area of research and your qualifications. Within this essay please include your career goals and how you envision this experience as one that can help you in your academic endeavors. In addition, please include the skills you hope to learn during these 2 weeks. Please use academic and scientific language as you write your response.*