



GUAM COMMUNITY COLLEGE
Sustainability Office
Sustainable Technologies and Environmental Education Program (STEEP)
2017 X-Mas Event
December 27, 2017 -January 05, 2017



Introduction

The Sustainable Technologies and Environmental Education Program (STEEP) this X-Mas break is calling all interested high school students between the ages of 14 to 17 years old to participate. The Winter Event provides sustainability education like no other, providing students with education, hands-on experience, technical skills and awareness about sustainability related to the natural environment and technologies. This event will bring subject experts together to provide valuable education and technical skill exposure in the areas of...

- **General Sustainability and Environmental Education**
- **Fossil Fuels and Renewable Energy (photovoltaic and wind energy)**
- **Sustainable Building Designs**

Student Learning Outcomes (SLOs) associated with the STEEP X-Mas event will be aligned with relevant GCC courses. Teaching and learning methods utilized in the program will cover an array of strategies to cover diverse learning styles and multiple intelligences evident in our students. Some of the teaching methods will include, but are not limited to; In-class lecture, videos/media, hands on experience/projects, activities and a field trip.

The STEEP Winter Event seeks to enroll 25 students for an eight (7) day program. This event will take place during the 2016 winter break December 27, 2016 to January 6, 2017.

Below is the proposed schedule and agenda for the Winter Event. The agenda is tentative and may be subject to changes.

Day	Subject	Instructor	Time	Agenda/Schedule
Wed 12/27	Environmental Science Organic Gardening Science	Eva Devera Kiko Palacios	8:30-9:00 9:00-10:00 10:00-10:10 10:10-11:30 12:30-2:30	Ice Breaker- Led by REACH or Eva Earth Science: Then and Now- Global Environmental Issues and Climate Change Break Water Filtration Activity- 4M Kit Organic Gardening Methods and Aquaponic Systems- Seed Starting Activity
Thur 12/28	Health	Culinary Arts Program Kiko Palacios	8:30-10:00 10:00-10:30 10:30-11:30	Garden Revitalization Activity- GCC Site (Planting Activity) Clean-up (back to the classroom) Healthy Food Choices and Recipes (Utilizing Locally Grown Guam Produce)

			12:30-2:30	Chef Presentation- Local Restaurants and Local Gourmet Recipes and Demo
Fri 12/29	Floral Art	Dept. of Ag Kiko Palacios	8:30-10:30 10:30-11:30 12:30-1:30 1:30-2:30	Pollinators (Bees) and Their Vital Roles in Gardening and Farming DIY Pollinator Homes – Activity Local Flora/Flowers, Local Design Concepts, Business Opportunities – Local Florist Design Exotic Flower Display Using 100% local resources – Group Activity <ul style="list-style-type: none"> • Computer Center Research
Tue 01/02	Floral Art	Onedera Kiko Palacios	8:30-11:30 12:30-2:30	Design Development of Exotic Local Floral Display Activity Continuation of Exotic Floral Display
Wed 01/03	Floral Art	Kiko Palacios	8:30-11:30 12:30-2:30	Finalize Exotic Floral Displays for Auction Announcement of Auction Winners- Pick-up and Clean-up
Thur 01/04	Fossil Fuels and Energy Renewable Energy-Solar	Kiko Palacios	8:30am-10:00 10:00-10:10 10:00-11:30 12:30-2:30	Fossil Fuels and Energy Production- Lecture with Video Presentation Break Renewable Energy- Solar Energy with Solar Baking Activity Solar (photovoltaic electricity) Activity 2
Fri 01/05	Renewable Energy- Wind	Kiko Palacios	8:30-9:30 9:30-11:30 12:30-1:10 1:10-1:40 1:40-2:30	Wind Energy 101- How Wind Turbines Work Presentation Wind Turbine Assembly Activity Testing Wind Turbines Disassemble- Clean-up Certificates Presentation- Last Day

of Students: 25 (max)
Number of Days: 7 days
Total Contact Hours: 35 hours
Number of Hours/day: 5 hours (8:30 am- 2:30 pm w/ 1 hour lunch)
Location: GCC Student Center Training Room 5108
Check-in Area: GCC Student Center Lounge (Bldg 5000)