



GUAM COMMUNITY COLLEGE
Sustainability Office
Sustainable Technologies and Environmental Education Program (STEEP)
2018 Summer Event
May 29, 2018 –June 21, 2018



Introduction

The GCC Sustainable Technologies and Environmental Education Program (STEEP) this summer is calling all interested high school students between the ages of 14 to 17 years old to participate. The 2018 Summer Event offers sustainability education like no other, providing students with hands-on experience, technical skills training and education about sustainability related to the natural environment and relevant technologies. This event will bring subject experts together to provide valuable education and technical skills exposure in the areas of...

- ***Island Sustainability***
- ***Fossil Fuels and Renewable Energy (photovoltaic and wind energy)***
- ***AutoCAD Furniture Designing***
- ***Sustainable Carpentry***

Student Learning Outcomes (SLOs) associated with the 2018 STEEP Summer 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. Some of the teaching methods will include, but are not limited to; In-class lecture, videos/media, hands-on experience/projects and activities.

The STEEP Summer Event seeks to enroll 25 students for a three (3) week program (18 days). This event will take place during the 2018 Summer break beginning May 29, 2018 and ending in June 21, 2018.

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

Day	Subject	Instructor	Time	Agenda/Schedule
Tue 05/29	Island Sustainability Organic Gardening/Farming	Kiko Palacios UOGreen/CIS Rhino Beetle Crew	8:30-9:00 9:00-10:30 10:30-11:00 11:00-11:10 12:30-2:30	Ice Breaker Activity Island Environments- Then and Now Island Sustainability Presentation (UOGCIS) Break What is Organic Gardening- Soil Science and Types of Organic Gardening Methods -with seedling planting activity.

Wed 5/30	Invasive Species- Rhino Beetles on Guam	Rhino Beetle Crew	8:30-9:30 9:30-11:30 12:30-2:30	Intro to Invasive Species on Guam- Plants and Insects Intro to Rhino Beetles on Guam with actual look at all stages of its life cycle Group Activity- Rhino Beetle Control Methods- Trap setting around campus
Thur 05/31	Energy and Fossil Fuels Electric Vehicles Renewable Wind Energy Systems	Kiko Palacios Tim Hall	8:30-10:00 10:00-10:10 10:10-11:30 12:30-2:30	Energy and Fossil Fuel Guam Presentation Break Electric Vehicle Technology- Nissan Leaf Guam (Timothy Hall) Renewable Energy- Wind Energy Systems w/ Activity
Friday 06/01	Renewable Energy- Solar Photovoltaics	Kiko Palacios	8:30am-10:00 10:00-11:00 12:00-2:30	Intro Solar Energy 101 Site Visit to GCC Solar Technology + Solar Cooking+ Solar Water Purification Activity 55 watt Solar Battery Back-up Kit
Mon 06/04	Innovation in Sustainability	Kiko Palacios Albert Drones	8:30-10:00 10:00-11:30 12:30-2:30	Drone Technology for the Environment Sustainable Container Homes Group Activity- Sustainable Container Homes Presentation
Tue 06/05	AutoCad	J. Zillian	8:30-2:30	Introduction to the tools of the AutoCAD® trade Identifying Drafting Symbols for Pallet Furniture Design Design review of Recycled Pallet Furniture Introduction to AutoCAD® (The Run Down)
Wed 06/06	AutoCAD	J. Zillian	8:30-2:30	Introduction to Isometric and Orthographic Draw Isometric and Orthographic Drawings
Thurs 06/07	AutoCAD	J. Zillian	8:30-2:30	AutoCAD® Commands Draw, View, and Modify AutoCAD® 2D Commands
Fri 06/08	AutoCAD	J. Zillian	8:30-2:30	Draw a 2D Recycled Pallet Coffee Table and Chairs, Discuss 3D functions and drawings

Mon 06/11	AutoCAD	J. Zillian	8:30-2:30	Finalization of 2D Pallet Furniture Drawing
Tue-Tue 06/12- 06/19	Construction Trades Carpentry	Ronald Santos	8:00-2:30	Intro to Carpentry Trades and Safety Construction of Recycled Pallet Furniture (Designed in AutoCAD Segment) Completion of the Recycled Pallet Furniture by (Wednesday 6/15) Coffee Table with at least 2 chairs (90% Reused Pallet)
Wed 06/20	Organic Gardening Floral Art	Kiko Palacios Eva DeVera Art DeOro	8:30-9:30 9:30-11:30 12:30-1:30 1:30-2:30	Intro To Local Floral Art Arrangements Work on Floral Art Arrangements Completion of Floral Arrangements Set-up of Display Room- Recycled Pallet Coffee Table Set and Floral Displays
Thur 06/21			8:30-12:00 1:00-2:30	STEEP Showcase and Auction Certificate and Awards Presentation

of Students: 25 (max)
Number of Days: 18 days
Number of Hours/day: 5 hours (8:30 am- 2:30 pm w/ 1 hour lunch)
Location: GCC C-Wing: C23-C24
Check-in Area: GCC C-Wing: C24