

US VI 2009

Sunday July 5th

**3-6pm arrival
Bunk assignments**

6pm Supper

Welcome
Logistics
meals, bathrooms, emergency contact transportation

VIRES intro

Introductions
Goals Have Fun, meet new friends, and network to success
Global system science thinking
What do coral and New England cord wood have in common?

Research goal for week
How are coral used as indicators of climate change?

Pre-test

Thinking inside the box:How the world works.

Monday July 6th

7:00 AM Breakfast

8-9 am Welcome -again
logistics-schedule
introductions
Footprint discussion
3 x 5 cards questions
Pre-test
Research Topic
workshop goals
Teacher materials development

9-10 am Journaling
Connections

10-11 am Haiku Journey

11-12am 3-DQP
Collecting, analyzing, & visualizing data
Making acid
Lunch

Noon
1-5:30pm Coral reef communities
Ocean study techniques - set up 3d quads, transect
swim test, site 1 snorkel and observe
fish, coral, Biodiversity
turbidity
measure temperature and light intensity - secchi(3d quad) HOB0 coral - bleaching
1) Discussion of groundwater, mangrove, T and sediment loading

2) Introduction to the fish and aquatic life that live in these systems and their adaptations to this unique environment
fish - coral - other ID - iphone

3) Basic water chemistry, water quality:issues in the US VI
Sediment and water temperature and the dominant roles they play in the life cycle of fish-coral

4) Climate change in the US VI - what we are already seeing and the species responses we expect to see in the future

6pm Supper
Daily review

7:00 PM Discussion to develop a hypothesis
Science, Inquiry, Climate Change, and Global Responsibility

Tuesday July 7th

7:00 AM Breakfast
Recap

8-10 am Journal
Coral video

Classroom activities

10-noon Snorkeling
Sites 1, 2, and 3

Noon Lunch

1- 6pm MIT Sea Perch

6:00 PM Supper
Daily review

7:00 PM Discussion of techniques - high and low tech
Continue Sea Perch building/testing

Wednesday July 8th

8:00 AM Breakfast

9-noon Sea Perch building, testing and continued monitoring

10:00 AM Resources at Risk
Rafe Boulon, Chief of Resource Management US VI NP

11-12am Sea Perch building

Noon

1 -3 pm snorkel and continued data collection
Sea Perch testing site 1
3-d measurements

snorkel site 4

3 -6 pm **Plankton tow**

6:00 PM supper

7pm Reaching experimental science goal?
Justice, equity, and the global environment

Thursday July 9th

7:00 AM Breakfast
Review

8:30-9 am review/connections
Journal check
Connections
3dQP check

9:00 - 12 **Petroglyphs** hike

Noon Lunch BINGO

1-2:30 Data check

2:30-4:30 CA-CP Backpack
NOAA, NSTA

4:30-6 pm Foraminifera dating
Modeling

6pm Supper
Daily review

7:00 PM Cosmogenic Isotopes and Ice Cores
Donna
Connecting it to home. Place-based environments.
Taking responsibility for 1 cubic meter

Friday July 10th

7 am Breakfast

8:30-9 am catch-up/zen discussion
Research Question/trip debrief
Journaling
3dQP check

9 -11 am Teacher materials development

11-2 pm Last Data check and remove 3d quadrats

Noon Lunch

2:30-3:30pm Marine Policy

3:30-5pm Solutions -Cool Air- Clean Planet
Skill training and Service learning
Exemplary community programs

Maslow
Self-image
Self motivation

Scheduled support
writing for the WC/CA-CP

6pm Supper

Final exam
Post-test Evaluations

Time to pack, ask questions, and get all you need to get before leaving

Saturday July 11th

7 am Breakfast

8-8:30 am Questions/review
Starfish

9:00 Final questions - completed

all participants leave to r

research question

make the 10am ferry