

Hydrosphere Workshop Schedule – Caribbean Marine Research Center on Lee Stocking Island Sunday June 26th, 2005

Noon –3 pm arrival at George Town Airport
Land and water taxi to Lee Stocking Island – Caribbean Marine Research Center

3-6pm at CMRC Swim test, equipment shakedown

7pm Supper

8 pm Welcome, the Wright Center and personal introductions all around

Introduction to the Perry Institute and the Caribbean Marine
Research Center – Kevin

General discussion of workshop goals

1. Have fun
2. To encourage a global systems approach when thinking about environmental change (the butterfly effect)
3. Have fun
4. To provide direct experience with scientific research/environmental education
5. To enhance networking with other international teachers
6. Have fun
7. To “lay hands-on” coral reefs (actually - never touch the reefs)
8. Have fun

Research question

“How can coral reefs be used as indicators of climate change?”

On a 3x5 card please answer the following questions

1. 1 thing you know about the connection of the hydrosphere (within the scope of our workshop) to climate change.
2. 1 thing you think you know - misconceptions about the connection of the hydrosphere (within the scope of our workshop) to climate change.
3. 1 thing you want to know about the connection of the hydrosphere (within the scope of our workshop) to climate change.
4. Other workshop goals.
5. How do you like to learn?

Foot print calculation

Journaling

Coral Reef Adventure

Monday June 27th

7:00 am

Breakfast

Schedule for the week

Expanded introductions

Vocab-questions-idea board

Zen and the art of climate journaling

Keeping a workshop nature/climate journal

Haiku journey

Play Connections

Doing research: What is science?

Snorkel time-

Coral reef observations- T, Salinity, clarity data collection

Palaeoclimate and Geologic time

Global Carbon Budget

Big experiments

12:00

Lunch

EarthKAM bingo

Mapping-

geoquesting/geocaches

Time to snorkel again

Looking closer at coral reefs

Teacher Share and brainstorm session- What do you need?

Prepare for tomorrow's trip

7:00pm

Supper

Coral and fish ID

Wright Center researching coral reef film by Sue Nourse

Journals

Tuesday June 28th

7 am

Breakfast

Recap the previous day-

Journals

Play connections

Vocab- questions- ideas review

9am

Boat reef trip-

Bleached and unbleached coral

Mangrove as nurseries and soil erosion - prevention

Collect T, salinity, pH, turbidity data

Transect line of reef for reef types and creatures

Quad plot inventory of reef/creatures

REEF fish count

Coralwatch program data

Oh Deer – Project Wild

Debrief reef trip

Data collection and analysis

7 pm

Supper

Teacher brainstorm

Deep Ecology discussion

Journals

Wednesday June 29, 2004

7am

Breakfast

Recap the previous few days-

Journals

Play connections

Vocab-questions- ideas review

Communicating between the Wright Center and teams

Building a classroom aquarium

Snorkel Elkhorn coral forest

12:00

Lunch

Project Wild

Barnacle Joe outreach project

Dating an ice/sediment core – relative and absolute dating

Grouper count

7:00pm

Supper

Fish population dynamics – Mark Steele UC-SC

Big research question discussion

Look at data collected

Performances

Journals

Thursday June 30th

7am

Breakfast

Recap the previous few days-

Journals

Play connections

Vocab-questions- ideas review

Analyzing deep sea sediments activity

Final Exam

10-11 am

Checkout with William - All participants leave
land and water taxis directly back to George Town airport