

Summer 2009 GK12 Workshop
“Tracing a Drop of Water”
7-9 June 2009

Jackson School of Geosciences
Barrows Conference Room (JGB 4.102)

(June 7) Sunday

- 3:00 Opening Remarks & Introductions
- 4:00 Fellows present 3-5 min overview of their research
Teachers present overview of scope & sequence of their curriculum and a favorite lesson
- 6:00 Dinner (provided)

(June 8) Monday

- 8:00 Breakfast (bagels, doughnuts, pastries, fruits and beverages provided)
- 8:15 LESSONS: “Benthic Macroinvertebrates,” Brian Cowan and Rob Quarles
“Classroom Cladistics,” Brian Cowan and Rob Quarles
- 12:00 Lunch (provided)
- 1:00 “Teaching & Learning,” Dr. Bob Duke
- 3:30 “The 5E Model of Lesson Planning,” Dr. Jill Marshall
- 6:00 Dinner on your own

(June 9) Tuesday

- 8:00 Breakfast (bagels, doughnuts, pastries, fruits and beverages provided)
- 8:15 FIELDWORK: Hydrological & Biological Water Quality
Boxed lunch in the field (provided)
- 1:00 “Texas climate and water: Past, present and future,” Dr. Jay Banner
- 2:00 COMPUTER LAB: Your Watershed
- 3:00 GK-12 Symposium
- 6:00 Dinner (provided)

(June 10) Wednesday

Travel to Port Aransas

GK-12 Port Aransas Field Workshop
10-14 June 2009

Wednesday, June 10

- Travel to Port Aransas. Dinner on your own.
- Orientation 7-8:30 pm UTMSI Visitors Center Auditorium
- Overview of Gulf of Mexico: Creating a sense of place. Dr. Rick Tinnin
- Review plans for field work over the next three days

Thursday, June 11

- 6:30 am breakfast, pick up box lunches
- 7 am Field Trip: Fennessey Ranch-Mission River watershed & Riparian Forest
- 2 pm return to campus, model revisions and discussion
- 6 pm dinner
- 7 pm overview of Mission-Aransas NERR and tomorrow's field trip

Friday, June 12

- 7 am breakfast, pick up box lunches
- 8 am depart UTMSI marina to survey Aransas and Copano Bays
- 2 pm arrive back on campus, work on water sample data
- 6 pm dinner
- 7 pm incorporate sample data into models, work on lesson plans

Saturday, June 13

- 7 am breakfast
- 8 am depart on RV KATY to sample Redfish Bay and ship channel
- 12 pm Lunch
- 1 pm work up KATY samples, model revision and discussion
- 6 pm dinner
- 7 pm work on lesson plans

Sunday, June 14

- 7 am breakfast
- 8 am teams present models and lesson plans
- 11 am check out and depart Port Aransas

What to bring with you to Port Aransas:

You need to come fully prepared to be in the field each day. I suggest that you bring the following items with you:

Hat, sunscreen, water bottle, bathing suit, long-sleeved cotton shirt, towel and personal toiletries. Dive booties or tennis shoes to wear on the boat and in the field, no sandals.

Gallon size Ziploc or collecting bags (I have some pint and quart jars for specimens). Camera, video camera, binoculars, extra film. Comfortable, casual clothes for the pier lab and non-field work.