

Summer 2009 GK12 Workshop
“Tracing a Drop of Water”

June 7-9
Austin, Texas
Jackson School of Geosciences

Sunday, June 7

Location: Barrow Conference Room (JGB 4.102)

- 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)

Monday, June 8

Location: Barrow Conference Room (JGB 4.102)

- 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

Tuesday, June 9

Location: Barrow Conference Room (JGB 4.102)

- 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
 - 3:00-3:05 Opening Remarks
 - 3:05-3:20 Cowan and Quarles
 - 3:20-3:40 Franks, Hendrex and Vore
 - 3:40-4:00 Bauman, Gardner and Brown
 - 4:00-4:20 Lasky, Stokes and Tasneem
 - 4:20-4:30 Break
 - 4:30-4:50 Adamns, Skloss, Ainbinder
 - 4:50-5:10 Hansgen, Prather
 - 5:10-5:30 Wilson, Roaten, Smith
 - 5:30-5:50 SECO Fellows
 - 5:50-6:00 Closing Remarks
- 6:00 Dinner (provided)

What to bring with you to Austin:

Paper, pencils/pens and a comfortable change of clothes for when we are not in the field.

For fieldwork: camera, small notebook, hat, sunscreen, long pants, water bottle for filling, long shirt (optional), sturdy tennis shoes to wear in the field. Be prepared for 90+ temperatures. No sandals in the field!

Please email me if you have questions about the Austin portion of the workshop bc1774@gmail.com

-Brian

June 10-14
Port Aransas, Texas
University of Texas Marine Science Institute

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: San Jose Island beach profile
- 12:30 pm return to campus, Lunch
- 1:30 – 5 pm Mustang Island beach profile; dune vegetation; sand lab
- 6 pm dinner
- 7 pm overview of Submerged Aquatic Vegetation & marsh plants

Friday, June 12

- 7 am breakfast
- 8 am depart UTMSI marina to survey SAV's & salt marsh
- 12:30 pm arrive back on campus, Lunch
- 1:30 – 5 pm Work up samples; Rock Jetty field trip
- 6 pm dinner
- 7 pm incorporate sample data into 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 – 5 pm work up KATY samples; Water quality sampling in Mission Aransas NERR
- 6 pm dinner
- 7 pm work on lesson plans

Sunday, June 14

- 7 am breakfast
- 8 am teams present 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, 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. Water bottle. Plant press (optional)

I can best be reached either by e mail rick.tinnin@mail.utexas.edu or by cell phone **361-442-8076**. I look forward to working with you.

Rick Tinnin