

## Agenda - Taking the Pulse of our Changing Planet

### Sunday July 11

Time	Activity
	Welcome
4:00 p.m.	Registration at Horn Point Laboratory
6:00 p.m.	Dinner
7:00 p.m.	Introduction- ice breaker review objectives and goals of the week Housekeeping

### Monday July 12

Time	Activity
	<b>What is an Observing System?</b> Morning Announcements (review logistics for day- discuss feedback from Previous Day)
8:30 a.m.	Concept Map Activity (45 minutes)
9:15 a.m.	Introduction - Taking your pulse. How do you use real-time data?
Break	
10:15 a.m.	Background - Taking the Pulse of a Changing Planet? - Dr. Scott Glenn
10:45 a.m.	Classroom Activities Activity #1 - Discreet v. Continuous Data (C.O.O.L. Classroom) Activity #2 - Designing Tools for Ocean Exploration (NOAA) Activity #3 - Ocean Timeline (C.O.O.L. Classroom) Activity #4 - Time Stamp (Savvy Cyber Teacher)
12:00 p.m.	Lunch
1:00 p.m.	Introduction - Getting Your Feet Wet: A Closer Look at Observing System Data
1:30 p.m.	Field Trip - Groundtruthing Observing Systems
4:30 p.m.	Return from Field trip

5:00 p.m. Apply to Classroom - Discussion about "What's expected of me and what's in it for me?"

6:00 p.m. Daily Feedback

6:30 p.m. Dinner

## Tuesday July 13

Time	Activity
	<i>Ocean Circulations</i>
8:30 a.m.	Morning Announcements Introduction - Ocean v. the Human Body, Globe exploration
Break	
10:00 a.m.	Background - Ocean Circulation - Dr. Bill Boicourt
Break	
10:45 a.m.	Classroom Activities Activity #1 - Tank Demonstration Activity #2 - Locate the Gulf Stream (Gulf Stream Voyage)
12:00 p.m.	Lunch
1:00 p.m.	Background - Weather, Climate and Using Models (TBA)
1:30 p.m.	Field Trip - Ocean Weather Forecast
3:30 p.m.	Classroom Activities Activity #1 - Climate Lesson (Gulf Stream Voyage)
	Apply to Classroom - "How can I manage real time data in my classroom?"
6:00 p.m.	Daily Feedback
6:30 p.m.	Dinner
7:30 p.m.	Introduction - Play "Fish Tagging" game.

Wednesday July 14

Time Activity

Ocean Critters

- 8:30 a.m. Morning Announcements
- 9:00 a.m. Introduction - Discussion "What do you already teach about ocean critters?"
- 9:00 a.m. Hatch to Catch Activity
- Break
- 10:00 a.m. Background - "Fish Scales and Life-History Tales" - Dr. Elizabeth North
- 10:30 a.m. Classroom Activities  
Activity #1 Yellowfin Tuna Exploration  
Activity #2 Beach Forecast  
Activity #3 Jellies  
Activity #4 Elizabeth North - TBA
- 12:00 p.m. Lunch
- 1:00 p.m. Background - "Jellies are Drifters" - Dr. Deirdre Gibson
- 1:00 p.m. Field Trip - Plankton Sampling  
Apply to Classroom - "Which lesson will work best for me, and how will I make it work?"
- 4:00 p.m.
- 5:00 p.m. Daily Feedback
- 6:00 p.m. Dinner

Thursday July 15

Time Activity

Ecosystem Health

- 8:30 a.m. Morning Announcements  
Introduction - Why Take a Pulse?: The Value of Good Information  
Pfiesteria hystera as an example of the high costs of guessing
- 9:00 a.m. Background - An introduction to Ecosystem Health Monitoring - Dr. Michael Newmar

Break

10:00 a.m. Classroom Activities  
Activity #1: Oil Spills: Where Will the Oil Go?  
Activity #2: Exotic Species Game  
Activity #3: Nutrients and Eutrophication: Real time Monitoring activity  
Activity #4: Clamtown

12:00 p.m. Lunch  
1:00 p.m. Field Trip - Follow that Bloom  
4:30 p.m. Return from Field Trip  
5:00 p.m. Apply to Classroom - "What am I taking home from this course and how am I going to teach it?"  
6:00 p.m. Daily Feedback  
6:30 p.m. Dinner

Friday July 16

**Time** **Activity**

**Teachers as Champions and Change Agents**  
8:30 a.m. Morning Announcements  
Minority audiences - What works, including careers  
9:30 a.m. Families & Community Outreach

Break

10:15 a.m. Teachers as Champions & Change Agents  
11:00 a.m. Daily Feedback  
11:15 a.m. Teachers work on lesson plans  
12:00 Lunch  
1:00 p.m. Teachers work on lesson plans  
6:00 p.m. Special Dinner

Saturday July 17

**Time** **Activity**

**Final Presentations**

8:30 a.m. Final Prep-Lesson Plans

9:30 a.m. Teachers Present Lesson Plans

12:00 p.m. Evaluation and Feedback

12:30 p.m. Looking Forward: Future of Observing Systems - Mike DeLuca

1:00 p.m. Celebration BBQ

