AGENDA

Monday, July 31, 2006
7:00 am – 8:30 am Breakfast (Bedell Cafeteria)
8:30 am – 9:00 am Networking (CERSER Lab)
9:00 am – 9:10 am Greetings – CERSER
   Dr. William Porter, Project Director
9:10 am – 9:30 am Introductions of Project Participants
   Project Staff
   School Teacher Mentors and Students
9:30 am – 9:45 am Workshop Overview
   Dr. Porter
9:45 am – 10:15 am Pre-workshop Survey, Tour of Facilities
10:15 am – 10:30 am BREAK
10:30 am – 12:00 pm Introduction to Problem-Based Learning (PBL)
   Dr. Jim Botti, Instructional Specialist
12:00 pm – 1:30 pm LUNCH (Bedell Cafeteria)

Monday, July 31, 2006 (Continued)
1:30 pm – 3:00 pm PBL Exercises
   Dr. Botti
3:00 pm – 3:15 pm BREAK
3:15 pm – 3:45 pm OPEN
3:45 pm – 4:15 pm Directives for Group Projects:
   Mr. Ernest Hughes and Ms. Jacklyn James
4:15 pm – 4:30 pm Scientific Journals
   Dr. Porter

Tuesday, August 1, 2006
7:00 am – 8:30 am Breakfast (Bedell Cafeteria)
8:30 am – 9:00 am Networking (CERSER Lab)
9:00 am – 10:15 am PBL Exercises Hands-on
   Dr. Botti
10:15 am – 10:30 am BREAK
10:30 am – 12:00 pm Completion of PBL Exercises
12:00 pm – 1:30 pm  LUNCH (Bedell Cafeteria)
1:30 pm – 2:00 pm  Earth Science Content and the Scientific Method
                   Dr. Thomas Rossbach
2:00 pm – 3:00 pm  Earth Science Exercises
                   Dr. Rossbach
3:00 pm – 3:15 pm  BREAK
3:15 pm – 3:45 pm  Earth Science Topics
                   Dr. Rossbach
3:45 pm – 4:15 pm  Discussion on Group Project (for presentation via Power Pt.)
                   Mr. Hughes and Ms. James
4:15 pm – 4:30 pm  Mentor/Student discussions on selecting an earth science topic

Wednesday, August 2, 2006
7:00 am – 8:30 am  Breakfast (Bedell Cafeteria)
8:30 am – 9:00 am  Networking (CERSER Lab)
9:00 am – 10:15 am Learning Earth Science with GIS:
                   Landsat and/or aerial photography of Dismal Swamp
                   Mrs. Julie Stamper, Pasquotank County GIS Coordinator
10:15 am – 10:30 am BREAK
10:30 am – 12:00 pm GIS Exercises:
                   BasinPro ArcGIS activity – wetland and hydrology layers
                   Mrs. Stamper
12:00 pm – 1:30 pm  LUNCH (Bedell Cafeteria)
1:30 pm – 2:00 pm  Mapping Coastal Habitats with GPS technology & Applications
                   Mrs. Elizabeth Noble GIS Instructor, GEMS Department
2:00 pm – 3:00 pm  Hands-on GPS Mapping on ECSU Campus
                   Mrs. Noble
3:00 pm – 3:15 pm  BREAK
3:15 pm – 3:30 pm  Identification of Group Projects
                   Dr. Porter
3:30 pm – 4:15 pm  Review of Individual Group Projects
                   Mr. Hughes and Ms. James
4:15 pm – 4:30 pm  Logistics of Dismal Swamp Field Trip
                   Mrs. Noble

Thursday, August 3, 2006
7:00 am – 8:30 am  Breakfast (Bedell Cafeteria)
8:30 am – 9:00 am  Networking (CERSER Lab)
9:00 am – 12:00 pm Dismal Swamp Field Trip: Plant, Soil, and Micro-
                   Organism collections
                   Mrs. Noble and Staff
12:00 pm – 1:00 pm  BAG LUNCH
1:00 pm – 2:30 pm  Dismal Swamp Field Trip: GPS Mapping – trail,
                   Boardwalk, interesting point data (wetland plants)
                   Mrs. Noble and Staff
2:30 pm – 3:00 pm  Travel to CERSER Lab
**Friday, August 4, 2006**

7:00 am – 8:30 am  **Breakfast (Bedell Cafeteria)**
8:30 am – 9:00 am  **Networking (CERSER Lab)**
9:00 am – 12:00 pm  **Dismal Swamp Data Organization and Summaries & web-page additions:**
  - Plant identification and soil analyses
  - GPS mapping data input to GIS database
  - GIS map production
  *Mrs. Noble and Staff*

12:00 pm – 1:30 pm  **LUNCH (Bedell Cafeteria)**
1:30 pm – 2:30 pm  **Currituck Sound SAV Living Resources Lecture and GIS Exercises**
  - Aerial Photography Interpretation with ArcGIS
  - USFWS Mackey Island, Back Bay Wildlife Refuge
  - Internet Fact Finding
  *Mrs. Noble and Staff*

2:30 pm – 3:00 pm  **SAV ID with ECSU Herbarium Samples and SAV ID Books/Webpages**

**Monday, August 7, 2006**

7:00 am – 8:30 am  **Breakfast (Bedell Cafeteria)**
8:30 am – 9:00 am  **Networking (CERSER Lab)**
9:00 am – 12:00 am  **Travel to Currituck Sound:**
  - Ferry to Mackey Island Wildlife Refuge Office on Knotts Island
  *Mrs. Noble*

12:00 pm – 1:00 pm  **BAG LUNCH**
1:00 pm – 3:00 pm  **Data Gathering at Currituck Sound:**
  - GPS mapping – SAV polygons, wetland plant (Phragmites a.) SAV point data
  *Staff, Student Participants, and Teacher Mentors*

3:00 pm – 4:15 pm  **Return to CERSER Lab**
4:15 pm – 4:30 pm  **OPEN**

**Tuesday, August 8, 2006**

7:00 am – 8:30 am  **Breakfast (Bedell Cafeteria)**
8:30 am – 9:00 am  **Networking (CERSER Lab)**
9:00 am – 10:15 am  **Currituck Sound Data Organization and Summaries, Webpage/Additions:**
- SAV ID and mount, soil sample analyses
  Water column data graphs
  Staff, Student Participants, and Teacher Mentors

10:15 am – 10:30 am BREAK
10:30 am – 12:00 pm - GPS mapping data input to GIS database
  - Poster production
  Staff, Student Participants, and Teacher Mentors

12:00 pm – 1:30 pm LUNCH (Bedell Cafeteria)
1:30 pm – 3:00 pm Review of Group Projects
  Staff, Student Participants, and Teacher Mentors

3:00 pm – 3:15 pm BREAK
3:15 pm – 4:15 pm Work on Group Project Presentations
  Staff, Student Participants, and Teacher Mentors

4:15 pm – 4:30 pm Logistics of Downtown Tours: Pasquotank GIS Office, Museum of the Albemarle and Port Discovery
  Dr. Porter

Wednesday, August 9, 2006
7:00 am – 8:30 am Breakfast (Bedell Cafeteria)
8:30 am – 9:00 am Networking (CERSER Lab)
9:00 am – 9:10 am Review of Today’s Activities
  Dr. Porter

9:10 am – 10:15 am Group Project Presentation Activities
  Mr. Hughes and Ms. James

10:15 am – 10:30 am BREAK
10:30 am – 10:45 am Travel to GIS Office
  Mrs. Noble, Coordinator

10:45 am – 12:00 am Review of GIS facilities, Data, Maps, and Applications
  Mrs. Stamper

12:00 pm – 1:30 pm LUNCH (Local Restaurant)
1:30 pm – 1:45 pm Travel to Albemarle Museum
  Dr. Porter, Coordinator

1:45 pm – 2:15 pm Tour of Albemarle Museum
  Ms. Charlotte Patterson, Educator

2:15 pm – 2:30 pm Travel to Port Discovery
  Dr. Porter, Coordinator

2:30 pm – 3:00 pm Port Discovery Discussion
  Mrs. LuAnne Pendergraft

3:00 pm – 3:30 pm Return to CERSER Lab
3:30 pm – 4:30 pm OPEN

Thursday, August 10, 2006
7:00 am – 8:30 am Breakfast (Bedell Cafeteria)
8:30 am – 9:00 am Networking (CERSER Lab)
9:00 am – 10:15 am Planetarium Visit
  Ms. Jennifer Thoms, Planetarium Assistant
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<tr>
<th>Time</th>
<th>Activity</th>
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<tr>
<td>10:15 am – 10:30 am</td>
<td><strong>BREAK</strong></td>
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<tr>
<td>10:30 am – 11:30 am</td>
<td>Physics and Chemistry in Earth Science</td>
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<td><em>Dr. Leon Pringle, Instructor in GEMS Department</em></td>
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<td>11:30 am – 12:00 pm</td>
<td><strong>OPEN</strong></td>
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<td>12:00 pm – 1:30 pm</td>
<td><strong>LUNCH</strong> (Bedell Cafeteria)</td>
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<td>1:30 pm – 3:00 pm</td>
<td>Work on Group Project Presentations</td>
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<td><em>Student Participants</em></td>
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<td>3:00 pm – 3:15 pm</td>
<td><strong>BREAK</strong></td>
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<td>3:15 pm – 4:15 pm</td>
<td>Individual Sessions on Group Project Presentations</td>
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<td><em>Student Participants, Teacher Mentors, Staff</em></td>
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<td>4:15 pm – 4:30 pm</td>
<td>Directives for Group Project Presentations</td>
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<td><em>Dr. Porter, Staff</em></td>
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**Friday, August 11, 2006**

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<th>Time</th>
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<tr>
<td>7:00 am – 8:30 am</td>
<td>Breakfast (Bedell Cafeteria)</td>
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<tr>
<td>8:30 am – 9:00 am</td>
<td>Networking (CERSER Lab)</td>
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<td>9:00 am – 10:15 am</td>
<td>Group Project Presentations</td>
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<td>10:15 am – 10:30 am</td>
<td><strong>BREAK</strong></td>
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<td>10:30 am – 12:00 pm</td>
<td>Group Project Presentations</td>
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<td>12:00 pm – 1:30 pm</td>
<td><strong>LUNCH</strong> (Blue Room)</td>
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<td>1:30 pm – 3:00 pm</td>
<td>Group Project Presentations</td>
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<td>3:00 pm – 3:15 pm</td>
<td><strong>BREAK</strong></td>
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<td>3:15 pm – 4:00 pm</td>
<td>SSEP Student Feedback Survey/Post-Workshop Survey</td>
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<td>4:00 pm – 4:15 pm</td>
<td>Review of Academic Year Program</td>
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<td>4:15 pm – 4:30 pm</td>
<td>Travel to Bedell Cafeteria</td>
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<td>4:30 pm – 5:30 pm</td>
<td><strong>Dinner</strong> (Bedell Cafeteria)</td>
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<td>Award Certificates and Stipends</td>
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