AGENDA

MONDAY, June 21

7:30 AM  Check-in

8:00 AM  Breakfast & Welcome
  --Mike Bell, Mayor of Toledo
  --Paul Toth, President and CEO, Toledo-Lucas County Port Authority

8:30 AM  Institute Overview & Course Requirements
  --Joan Chadde

10:00 AM  Great Lakes Maritime Transportation & the middle/high school curriculum
  --Patricia Eaton, TMAT Science Teacher
  Benchmarks & Content Standards addressed
  --Josh Sandwisch, TMAT Social Studies Teacher
  Activity from Great Lakes Treasure Chest: Great Lakes Watershed
  --Joan Chadde, Michigan Tech

11:00 AM  Ship Crewing; How Great Lakes Shipping Fits into Global Transportation of Goods: Ship designs, shipping routes, cargoes & challenges of shipping on the Great Lakes
  --Rick Brown & Jim Hartung
  Activity from Great Lakes Treasure Chest: Plot the Path
  --Joan Chadde, Michigan Tech

NOON  Depart for S.S. Boyer

12:30 PM  Lunch & Tour aboard S.S. Boyer: Travel to Sandpiper (pick up at Restaurant Docks)
  --Paul LaMarre, Toledo Port Authority

2:30 PM  Tour of Maumee River & Maumee Harbor aboard the Sandpiper with Sandpiper Captain Mary Dalby

4:30 – 5 PM  Tour of The Maritime Academy of Toledo (TMAT)

6:30 PM  Dinner at TMAT

TUESDAY, June 22

7:00 AM  Group breakfast & discussion at TMAT

8:00 AM  Navigation Introduction: Chart Reading & Basic Ship Handling
  --Barb Pinter, TMAT maritime education
  Navigation Simulation: Transiting through the Great Lakes & Soo Locks
  --Rick Brown, TMAT maritime education

NOON  Lunch at TMAT

1:00 PM  Visit Port Facilities (meet at One Maritime Plaza)
  --Paul LaMarre and Joe Cappel, Toledo Port Authority
3 - 4:30 PM  U.S. Coast Guard: Port Security, water/vessel safety; responsibilities for Maritime Transportation

6:30 PM  Dinner & Maumee Riverwalk

**WEDNESDAY, June 23**

7 AM  Group breakfast & discussion TMAT

8:00 AM  History of Maritime Vessels
<<Tim Evans, Social Studies Teacher, Marysville Middle School & St. Clair Community College

9:00 AM  Vessel Construction & Boat Building Lab
<<Steve Toth & Dave Brown

NOON  **Lunch** at TMAT
Presentation: “The White Hurricane”
<<Dave Brown, Author

1 -4:00 PM  Invasive Species & Water Quality Sampling
<<Patricia Eaton, Science Teacher, The Maritime Academy of Toledo

4:30-5:30 PM  Challenges to Great Lakes Maritime Transportation
<<Dave Knight, Great Lakes Commission

6:00 PM  Dinner at TMAT – cook out on patio overlooking Maumee River

7:00 PM  The Last Log of the Titanic
<<Dave Brown, author

8:00 PM  Movie Titanic

**THURSDAY, June 24**

7:00 AM  Group breakfast & discussion TMAT

8:00 AM  Remotely Operated Vehicle
<<Mark Gleason, Great Lakes Naval Memorial Museum, Muskegon, MI
Introduction from NOAA, Thunder Bay Maritime Museum
Taking It Back to the Classroom discussion
<<Joan Chadde, Michigan Tech

NOON  Lunch at TMAT

1-2:30 PM  Drive to Vermilion, OH

3-6 PM  Exploring Maritime Museum, Maritime History Presentation; Mapping Shipwrecks
<<Carrie Sowden, Inland Seas Maritime Museum in Vermillion

6:15 PM  Special Dinner at Chez Francois (555 Main St., Vermillion, OH; Tel: 440-967-0630)
FRIDAY, June 25

7:00 AM  Group breakfast & discussion TMAT

8:00 AM  Planet in Action / Google Earth (computer lab) (Rick Brown & Barb Pinter)

9:30 AM  Panel Discussion: Nautical/Maritime Integration Across the Curriculum: TMAT Staff Presentations & Question/Answer on “How to integrate nautical/maritime themes into K-12 teaching” (TMAT faculty: Rick Brown, Patty Eaton, Josh Sandwisch, Megan Kozakowski, Brian Marciniak, Jennifer Chitwood)

10:30 AM  Taking it back to the classroom small group discussion & sharing

11:30 AM  Course evaluations (survey monkey) in computer lab (Joan Chadde)

12:30 PM  Course ends. Lunch