

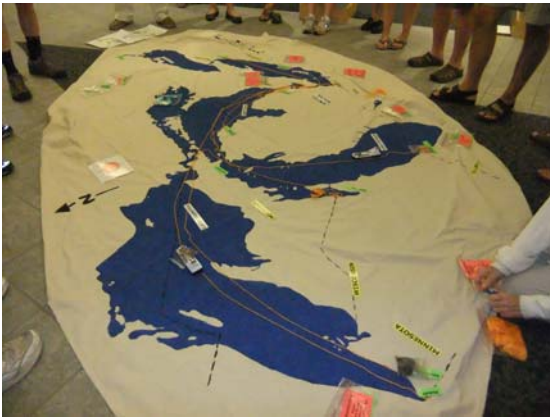
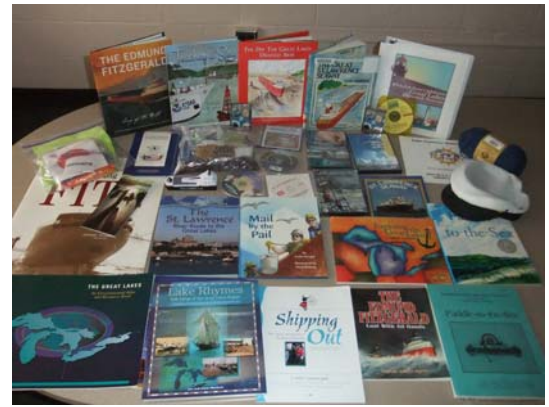
Purchase A Great Lakes Maritime Education “Treasure Chest” For Your Museum or Education Center – \$500!

WHAT?

Great Lakes Maritime Education Treasure Chests are available to maritime museums, science centers, schools and other educational programs throughout the Great Lakes region (Minnesota, Michigan, Wisconsin, Illinois, Indiana, Ohio, New York, and Pennsylvania) and beyond.

WHY?

Few teachers, students, and Great Lakes residents have any knowledge of the maritime transportation industry operating on the Great Lakes. The shipping industry plays an essential role in moving 70-90% of the nation’s iron ore used in steel manufacturing, both western and eastern coal used by power plants throughout the Great Lakes basin, salt, and limestone, as well as many oversized items like wind generator parts. These cargoes are used in the manufacture of items that we use EVERYDAY, from household products to road and building construction, electricity, and vehicles.



Applicants are encouraged to:

1. **Host a Great Lakes Maritime Education workshop** for educators that present lessons and resources from the “treasure chest.”
2. **Make the chest available to educators** in the local area.
3. **Use the chest** to host maritime education programs for K-12 students and community.
4. **Maintain a record of users** of the chest for grant reporting purposes.

How To Apply?

Complete application form and provide typewritten responses to the questions. Send application by mail, fax, or email to Joan Chadde.

Coordinated by the Center for Science & Environmental Outreach at Michigan Technological University.
The chest was developed with grants from the Great Lakes Maritime Research Institute www.glmri.org and University of Wisconsin-Madison’s National Center for Freight & Infrastructure (CFIRE) <http://www.wistrans.org/cfire/>



Great Lakes Maritime Education Chest Contents*

| | |
|--|--|
| <p>HANDS-ON TEACHING SUPPLIES 9'x12' Great Lakes Canvas Floor Map Shipping & Receiving Port labels Country, State, River/Tributary labels for each Great Lake Yarn Bagged cargo samples: iron ore/taconite pellets, coal, limestone, wheat, salt, container cargo (LEGOs) (3 bags of each) Foam Great Lakes Ship (ore carrier) Capitan's Hat</p> <p>CHILDREN'S LITERATURE (as available) The Day the Great Lakes Drained Away Mail by the Pail The Great St. Lawrence Seaway Paddle to the Sea The Edmund Fitzgerald: The Song of the Bell The Big Fitz (big book) St. Lawrence: River Route to the Great Lakes</p> <p>REFERENCES U.S. Flag Shipping on the Great Lakes brochure (Lake Carriers' Assn) (8) Great Lakes Environmental Atlas U.S. Army Corps Soo Locks brochure Lake Carriers Assn Map of Great Lakes and Canadian Ports (6 copies)</p> | <p>VIDEOS / CDs / DVDs Steel Starts Here DVD <i>Now available online:</i> Living on the Edge: Great Lakes-St. Lawrence River Shoreline (25 min) Perspective of a Vital Waterway: The Great Lakes- St. Lawrence Seaway System (21 min)</p> <p>CURRICULUM MATERIALS Exploring the Great Lakes: A Logbook of Adventures <i>More Than Just A Lake</i> lesson Lake Rhymes – Folk Songs of the Great Lakes Region CD & Book Whitefish Point Lighthouse & Great Lakes Shipwreck Museum K-8 Lessons & Activities (2008 & 2010) and Great Lakes Maritime Transportation Lessons (notebook) <i>Now available online:</i> Lake Effects K-8 Curriculum Guide Paddle to the Sea Curriculum Activity Guide Great Lakes Shipping PowerPoint Presentation</p> <p>Posters/Maps Diagram of Parts of a Ship & labels Great Lakes map (NOAA #14500) Great Lakes Watershed Map (as available from MI SeaGrant)</p> <p><i>**All materials comes packed in a clear plastic labeled tub. Substitutions will be made, if items become unavailable</i></p> |
|--|--|

What Recipients are saying about the Great Lakes Shipping Education Chest:

We have used the Great Lakes Maritime Shipping Chest in our workshops! It's wonderful. Thanks so much!
 Wendy W. Smith, Great Lakes Research and Education Center, Indiana Dunes National Lakeshore, Porter, IN

The chest is being used... and the large Great Lakes floor map is a wonderful addition to our programs!
 Carolyn Rock, Whitefish Dunes State Park, Sturgeon Falls, WI

The chest is SO AWESOME!!
 Wendy Lutzke, Museum Educator, Wisconsin Maritime Museum, Manitowoc, WI

The Great Lakes floor map is a great way to teach Great Lakes geography!
 Mike Mansour, Hawk Woods Nature Center, Auburn Hills, MI

The bad/good news is I can't meet the demand with just one chest! Is it possible for us to purchase a second one?
 Ms. Tobi Voigt, Chief Curatorial Officer, Detroit Historical Society, Detroit, MI



Great Lakes Maritime Research Institute

A University of Wisconsin - Superior and University of Minnesota Duluth Consortium



Michigan Tech

University of Wisconsin-Madison

Great Lakes Maritime Education Treasure Chest– ONLY \$500!

Contact Person _____ Date _____

Organization _____

In which Great Lakes watershed are you located: _____

Shipping Address: (street address required for UPS delivery) _____

City, State, Zip _____

Phone _____ Email: _____

Amount Due: \$500 Payment Method:

____ Cash/Check ____ Purchase Order Payable to: Michigan Technological University D95205

____ Credit Card (circle one): Master Discover Visa

Name on credit card: _____

(For credit card payments, please call in your credit card payment to the MTU cashier at 906-487-2247.

Specify that funds be deposited into the D95205 account.)

Submit your completed application to:

Joan Chadde, K-12 Education & Outreach Coordinator

Center for Science, Mathematics & Environmental Outreach

115 Great Lakes Research Center – Michigan Technological University

1400 Townsend Dr., Houghton, MI 49931

Email: jchadde@mtu.edu Phone: 906-487-3341 Fax: 906-487-1029