

*...IT WAS A DARK AND STORMY NIGHT ON LAKE ERIE...*

*Did you know that in the 1800s there was more shipping on Lake Erie than any where else in the world? Shipping by boat during this time moved valuable resources around the Great Lakes and to the rest of the world. However, shipping on Lake Erie was no easy job! With little technology and little contact with shore, ships often fell victim to the quick developing storms of the shallow lake. This proved to be a disastrous situation for the ships and their crew as many of them perished leaving us with only remnants of their voyages. Take your own voyage through the CD and learn about the important place their travels hold in maritime history!*

## PROJECT S.T.E.A.R. Overview

Project S.T.E.A.R. (Shipwreck Training Education Archaeology and Research) is an educational program developed as part of the Pennsylvania Lake Erie Underwater Preserve project whose mission is to identify, research, interpret, and protect our underwater cultural resources. The project is a cooperative effort of the Bayfront Center for Maritime Studies, Mercyhurst College, Pennsylvania Sea Grant, Divers' World, Lakeshore Towing, and Texas A&M Institute for Nautical Archaeology.

As you navigate throughout the CD, you will gain a better perspective of the significant underwater cultural resources found in Lake Erie by exploring topics ranging from shipwreck preservation to lake effect weather. Supporting educational materials provide cross curricular applications relating to topics covered throughout the CD providing your students with a fun and exciting way to learn about protecting and preserving our important maritime history.

## CD at a Glance

This CD will cover the following topic areas:

- **LAKE ERIE**- learn about how Lake Erie was created and the unique weather patterns it creates for the region. Also included are some fun fact questions and photo gallery.
- **SHIPPING ON LAKE ERIE**- explore what shipping was like on Lake Erie during the 1800s by learning about types of ships, cargo, navigation methods, and life onboard the ship.
- **SHIPWRECKS**- investigate the stories of six Lake Erie shipwrecks and their voyages including the *Dean Richmond* and the *Charles Foster*.

- **SCUBA**- learn about equipment and knowledge needed to scuba dive, and discover what happens to your body as it descends through the water.
- **RESEARCH**- learn how shipwrecks are preserved including research methods and the important policies used to protect the wrecks.

## Educational Materials

The CD is designed to be a stand alone educational tool, however there are several lesson plan options if you choose to further investigate topics on the CD. We suggest that you use the lesson plans in conjunction with the CD program to maximize student comprehension.

There are lesson plans included for each topic area that can be used for upper elementary and middle school classrooms. For those that would like to further integrate the subject material from the lessons into their curriculum a student portfolio option has also been included. The portfolio would take on the identity of a Ship's Log and/or a Research Log similar to those used by sailors and scientists. The logs will allow the students to utilize the content from the CD and lesson plans to record their own sailing and research expeditions.

All lessons and portfolio templates are available on the CD as well as additional educational materials.

## Contact Information

Thank you for your interest in using Project S.T.E.A.R. in your classroom! If you have any questions about the CD or educational materials please contact Education and Maritime Specialist Anne Danielski by phone at (814) 217-9019 or email [add118@psu.edu](mailto:add118@psu.edu).