

MARITIME HERITAGE EDUCATION RESOURCES

Education Paper No. 3



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Introduction

Some of the most innovative maritime heritage educational resources to be found anywhere are available to students and youth in this region. Listed below are some of the curriculum, materials, resource organizations, pub and programs that have been pioneered in the region, and beyond. While there are many other maritime related resources of general historical, scientific or technical interest, those listed below are among those most directly involved in *heritage* aspects of maritime education resources and youth programming, especially for grades K-12. The list of curriculum resources given below includes maritime heritage related projects funded by 4Culture's Heritage Cultural Education Program and its predecessor agencies, as well as those produced independently of it. Information about other curriculum projects funded by 4Culture is available at the contacts provided above.

Maritime Heritage Curriculum Resources

ALL ABOARD

This Educational Resource Guide produced by Northwest Seaport was written by Regina Hackett to introduce children in grades three through six to the study of maritime culture, using a traditional three-masted schooner as a model. The Guide provides teacher orientation and focuses on: *Ship's Language*, *the History of the Schooner Wawona*; *the Life of a Sailor*; *Sea Science and Customs*; *Sea Shanties*; and *Food at Sea*. It was originally developed under a grant from the King County Arts Commission, and updated through contributions from Captain Ed Shields, Larry Gellerman, Thomas Parker, Eunice Roselle and Mark A. Smith. The Resource Guide, together with photos and other information, is available on CD-ROM through Northwest Seaport 860 Terry Avenue North, Seattle WA 98109, (206) 447-9800 or www.northwestseaport.org.

ALL ABOARD: GAINING LIFE SKILLS THROUGH EXPERIENTIAL MARITIME EDUCATION

This project was developed by the Center for Wooden Boats with grant support totaling \$25,709 from the Cultural Education Program in 1993, 1994 and 1998. The project has provided hands-on maritime heritage education programs to homeless and at-risk youth and is based on an apprenticeship model in which students engage in boatbuilding, knot work, rowing, paddling, and sailing, providing them with an applied knowledge of physics, geometry, navigation, meteorology, and maritime history, as well as an understanding of the historic, cultural, and technical aspects of the Center's collections. Student groups from the University District Youth Center, the Orion Center and the Summit K-12 School have participated in the program. For information contact the Center for Wooden Boats at 1010 Valley Street, Seattle WA 98109, (206) 382-2628 or www.cwb.org.

CANOES ON THE WEB

Author and educator Nan McNutt developed the *Canoes on Puget Sound* curriculum over a period of five years with support totaling \$69,000 from the Heritage Cultural Education Program from 1998 through

2002. The curriculum focuses on the heritage of the First Peoples of Puget Sound by studying one element of the region's indigenous culture in-depth. The curriculum was revised and adapted for posting on the internet working with the University of Washington's MESA (Mathematics, Engineering, Science Achievement) Project, which helped develop and promote the web site. It explores Northwest Coast Indian canoe types, as well as their cultural associations, including equipment, games, the Lushootseed language, a photo gallery, a carving project, and other resources. The web project involved teachers who have been involved in previous phases of the project to review, critique, and pilot test the web based materials. Visit www.washington.edu/burkemuseum/collections/ethnology/canoes/.

CHECKERBOARD CREW

This project, which involved the development of a traveling exhibit, teacher training, curriculum materials and outreach was developed in 1992 by Northwest Seaport in partnership with Seattle Public Schools and the Kendall Whaling Museum of Sharon Massachusetts under a Cultural Education grant of \$10,000. The project documented the significant involvement of African Americans, Asian and other ethnic groups in whaling and merchant seafaring activities. For information, contact Northwest Seaport at 1002 Valley Street, Seattle WA 98109-4332, (206) 447-9800 or www.nwseaport.org

DISCOVERING AN INLAND SEA: A MARITIME HISTORY OF PUGET SOUND

This curriculum was designed and developed by Jacqueline Schwartz for the Puget Sound Maritime Historical Society (PSMHS). The curriculum has three units: the History of Puget Sound; the History of Ballard; and Students as Historians. It was developed in 2000-1 under a grant of \$6,245 to the PSMHS from the Cultural Education Grant Program to develop a supplemental history curriculum focusing on Puget Sound maritime history and the Ballard-area maritime industry. The curriculum established a local heritage connection between two Ballard High School courses, "World History" and a maritime vocational training class entitled "Introduction to Maritime Industry" sponsored by the Youth Maritime Training Association. Through this project, students were introduced to the broad topic of Puget Sound maritime history, focusing specifically on the history of Ballard's waterfront, and had the opportunity to conduct independent research to contribute to the development of a maritime studies Resource Guide on CD-ROM. This Guide features primary source materials in the PSMHS library, and other regional maritime heritage resources, and was made available to other schools and maritime organizations for their evaluation and use. For information, contact the PSMHS at P. O. Box 9731, Seattle, Washington 98109-9731, (206) 624-3028, or <http://www.pugetmaritime.org>

EARLY FISHING PEOPLES OF PUGET SOUND

This is a junior high school level curriculum unit written by Jennifer Katahira, developed for the ORCA (Ocean Related Curriculum Activities) Project at the Pacific Science Center in 1980 with Washington Sea Grant Marine Education funding. The curriculum focuses on five activities relating to: The Place and the People; Fishing in Puget Sound Today; Fishing in the Puget Sound Area Long Ago; Construction of Hooks and Lines; and Unmaking and Making a Rope. It also provides some valuable graphics relating to early fishing technologies. The 115 page document is available on line at the National Sea Grant Digital Library at <http://nsgl.gso.uri.edu/washu/washue179002.pdf>

PROJECT PADDLE TO SEATTLE. Written by Pat Noel et al. in 1989, this is one of a series of Indian Education publications of Auburn School District No. 408, produced in cooperation with the Muckleshoot Tribe. The publication documents the Muckleshoot canoe project, a contribution to the State Centennial Commission's *Paddle to Seattle Project*, coordinated by Commander Emmett Oliver. The Muckleshoot project was developed under the direction of Louis Starr, Sr., master carver. Oliver's own video on the *Paddle to Seattle* and others on the same subject are available in the catalogs of area libraries. The *Paddle Journeys* web site is perhaps the most accessible source of information on

contemporary regional Native canoe culture, providing paddle event information and numerous links at <http://community-2.webtv.net/bensuecharles/PADDLEJOURNEY2001/index.html>

WHISTLE STOPS: MARITIME HERITAGE PROJECT. This project, now in process of development by the Steamer Virginia V Foundation, with expertise from heritage education specialists, will produce teacher workshops and a project curriculum in partnership with schools in the Highline, Seattle and Vashon School Districts, as well as web based resources in cooperation with the National Park Service. The project is supported, in part, by a 4Culture Heritage 2004 Cultural Education grant of \$6,000. It will be the first of its type in the country to implement the national *Teaching With Historic Places* model for a National Historic Landmark registered vessel. The project will serve students in 2nd, 4th, 7th and 9-12th grades. For information contact the Steamer Virginia V Foundation at 860 Terry Avenue North, Seattle WA 98109, (206) 624-9119 or www.virginiav.org (See About the Virginia V Foundation)

King County Organizations & Resources

BURKE MUSEUM OF NATURAL HISTORY & CULTURE. The Museum has one of the one of the finest collections of regional Native American heritage materials, including canoes and fisheries artifacts. It offers a series of exhibits and educational services. Contact the Museum at U of W BOX 353010, Seattle WA 98195-3010, (206) 543-7907, or www.washington.edu/burkemuseum/index.html

CENTER FOR WOODEN BOATS. The Center has been a national leader in the development of programs for at-risk youth and special populations and has hosted the national *Conference on Heritage Maritime Skills and Foundering Youth*. The Center also has launched a *Haida Canoe Project* under the leadership of Sáádúúts—Robert Peele, a Haida carver and artist-in-residence. The Center has been recognized with several awards and is known nationally and beyond for its educational programs. Contact the Center at 1010 Valley Street, Seattle WA 98109, (206) 382-2628 or www.cwb.org

COAST GUARD MUSEUM NORTHWEST. Located at Pier 36 on the Seattle Waterfront, this resource rich museum is one of only two of its type in the U.S. and provides opportunities for school visits. Contact the Museum at (206) 217-6993, 1519 Alaskan Way S, Seattle WA 98134 or <http://www.uscg.mil/mlcpac/iscseattle>

DISCOVERY MODELERS EDUCATION CENTER. This educational organization provides training in the traditional skills of ship model craftsmanship through workshops, classes and lectures. It also serves as a resource center and forum for ship model organizations and has developed scale models of renowned vessels of historic significance in regional history, including the Discovery and the Exact, for educational programs for all ages. Information is available at 860 Terry Avenue North, Seattle WA 98109, (206) 282-0985 or discoverymodelers@yahoo.com

DUWAMISH TRIBAL SERVICES. The Duwamish Tribe has participated in canoe construction and journey activities and was a host of the 1989 Centennial *Paddle to Seattle* event as well as *The Spirit Returns Paddle*, the concluding event for Seattle's Sesquicentennial in 2002. The Tribe is developing a longhouse facility near a traditional village site adjacent to the Duwamish River in West Seattle and has worked closely with the Birthplace of Seattle Log House Museum on exhibits, including *The Spirit Returns*. For information contact the Tribe at 4717 West Marginal Way SW, Seattle WA 98106, (206) 431-1582, dts@eskimo.com, or www.duwamishtribe.org

HIRAM CHITTENDEN LOCKS VISITOR CENTER. This facility is one of the most visited attractions in the region and provides educational exhibits that interpret the historic locks and ship canal. Contact the Visitor Center at 3015 NW 54th SE, Seattle WA 98107, (206) 783-7059, or www.nws.usace.army.mil/PublicMenu/Menu.cfm?sitename=lwsc&pagename=mainpage

HYDROPLANE & RACE BOAT MUSEUM. The Museum features exhibits that interpret the history of hydroplane racing in the region for school tours. Contact the Museum at 5917 South 196th St., Kent, WA 98032, (206) 764-9453, ddw@aol.com, or www.thunderboats.org

KEEPERS OF POINT ROBINSON. The Keepers work with the Vashon Park District to preserve and make use of the historic Point Robinson Lighthouse complex for educational purposes. Contact the Keepers at P. O. Box 13234, Burton WA, 98013-0234, (206) 463-9697, or sphighet@centurytel.net

MUSEUM OF HISTORY & INDUSTRY. The Museum offers a series of programs and resources relating to maritime heritage. Included in the Museum's *Home Trunks* program is one that features *Explorers in Washington State*. There is also a visual resource guide which features a unit on *Ships in the Pacific Northwest*. Also available is the Museum's Salmon Stakes exhibit, which features stories of people, nature and technology as well as hands-on activities. The Museum maintains one of the region's finest photos and maritime artifact collections. Contact the Museum at 2700 24th Avenue East, Seattle WA 98112, (206) 324-1126, or www.seattlehistory.org (select "Learning").

NORTHWEST SCHOONER SOCIETY. The Society partners with the privately owned Schooner Zodiac to offer unforgettable sail training experiences to students of all ages. For information, contact the Society at P.O. Box 9504, Seattle WA 98109, 1-800-551-NWSS, info@swschooner.org or www.nwschooner.org

NORTHWEST SEAPORT. This organization owns some of the most important vessels in the region, several of which are used for educational programs. The Seaport is planning to develop the locally built salmon troller *Twilight* as a resource for the *William G. Saletic Fishing Heritage Program* in cooperation with the Museum of History & Industry. The Seaport has also acquired the halibut schooner *Yakutat* for purposes of operating educational programs. The Seaport developed a *Ship Skills Program* which focuses on traditional maritime rigging skills learning in 1992 with partial support from King County's Cultural Enhancement Grant Program. For information, contact the Seaport at 1002 Valley Street, Seattle WA 98109-4332, (206) 447-9800 or www.nwseaport.org

ODYSSEY MARITIME DISCOVERY CENTER. Odyssey offers educational exhibits, resources and programs, including a guide that relates them to the state's essential academic learning requirements (EALRs). Contact Odyssey at (206) 374-4000, mbittner@ody.org, 2205 Alaskan Way, Pier 66, Seattle WA 98121-1604 or <http://www.ody.org/resources.htm>

NORDIC HERITAGE MUSEUM. The Museum offers exhibits, publications, videos and programs available for educational purposes that involve Nordic maritime traditions in the region. The Museum also owns several watercraft. It is in the process of developing a new facility adjacent to the Lake Washington Ship Canal and Hiram Chittenden Locks. Contact the Museum at 3014 NW 67th Street, Seattle WA 98117, (206) 789-5708, nordic@intelistep.com, or <http://www.nordicmuseum.com/>

PORT OF SEATTLE EDUCATIONAL RESOURCES. The Port of Seattle offers tours of its seaport, an accompanying class on International Trade, and other educational materials including case study lesson plans focusing on job skills and problem solving for high schools and middle schools.

Contact the Port's Educational Programs at <http://www.portseattle.org/community/education/> or (206) 728-3407.

PUGET SOUND MARITIME HISTORICAL SOCIETY MUSEUM. The PSMHS Museum at Chandler's cove at South Lake Union in Seattle, offers opportunities for school visits. Visit the Museum at 901 Fairview Avenue North, C-160, or contact PSMHS at P. O. Box 9731, Seattle, Washington 98109-9731, (206) 624-3028, E-Mail: president@pugetmaritime.org or <http://www.pugetmaritime.org>

SAILING HERITAGE SOCIETY. This unique organization partners with the privately owned Schooner Mallory Todd to provides unique sailing experiences aboard a vintage vessel to critically ill children and other special populations. For information contact the Society at (206) 381-6919, E-mail at helpers@sailingheritage.org or www.sailingheritage.org

UNITED INDIANS OF ALL TRIBES FOUNDATION. The Foundation is in the process of developing its *Northwest Coast Canoe Center*, which will include a Longhouse and Carving Shed at South Lake Union Park. For information, contact the Foundation at P.O. Box 99100, Seattle WA 98199, (206) 285-4425 or www.unitedindians.com.

Kitsap County Organizations & Resources

BREMERTON NAVAL MUSEUM. The Museum provides educational tour opportunities to its exhibits, which illustrate U.S. Naval history with displays of ship models, naval weapons, photographs and memorabilia from naval vessels. Contact the Museum at 402 Pacific Avenue, Bremerton Washington 98337, (360) 479-7447 or <http://www.ohwy.com/wa/b/bremernm.htm>

GIG HARBOR PENINSULA HISTORICAL SOCIETY & MUSEUM. The Museum offers a series of programs for schools and community groups, including guided tours of museum exhibits, maritime -related hands-on activities, slideshows, traveling exhibits relating to commercial fishing, steamboats, boatbuilding and more. The museum also has maritime related public programs and events and is restoring several vessels including the Fishing Vessel Shenandoah and the Sailboat Thunderbird. Contact the Museum at 4218 Harborview Drive, Gig Harbor WA, (253) 858-6722, info@gigharbormuseum.org or www.gigharbormuseum.org

KITSAP COUNTY HISTORICAL MUSEUM. The Museum houses exhibits dating from the Ice Age through WWII and includes exhibits featuring *The Story of the Mosquito Fleet*, *Early Ferries of Puget Sound*, and *Northwest Native Culture*. Public programs, events and school tours are also available. Contact the Museum at 280 Fourth Street, Bremerton, WA 98337, (360) 479-6226, kchsm@telebyte.net or www.waynes.net/kchsm/index.html

NAVAL UNDERSEA MUSEUM. offers a series of exhibits that are designed for school tours, including *The Ocean Environment*, *Mine Warfare Technology*, *Torpedo Technology*, *Submarine Technology* and *Diving*, as well as temporary and outdoor exhibits. A *Teacher's Guide* is available on-line, and information on special events and summer guide programs is also available. Contact the museum at 1103 Hunley Road, Silverdale WA 98315-1103, underseainfo@kpt.nuwc.navy.mil, or www.keyportmuseum.cnrnw.navy.mil

PORT GAMBLE S'KLALLAM TRIBE. The Tribe has educational programs and a Cultural Resources Department. The Tribe has participated in canoe construction and canoe journey educational

events, elements of which are posted on its web pages. The Tribe can be contacted at 31912 Little Boston Road NE, Kingston, Washington 98346, (360) 297-2646, info@pgst.nsn.us, or www.pgst.nsn.us

SUQUAMISH MUSEUM. The Suquamish Tribe's Museum offers a series of exhibits suitable for school tours, including *The Eyes of Chief Seattle* and *Waterborne, the Gift of the Indian Canoe* which uses historical and contemporary photographs, music and the first hand accounts of tribal elders to illustrate the importance of Puget Sound Indians' place on the water and its bounty for its peoples. The Suquamish Tribe has also developed the Full Circle Canoe Project which has involved elders and youth in the renaissance of canoe culture in the Pacific Northwest. Contact the Museum at 15838 Sandy Hook Road, P. O. Box 490, Suquamish WA 98392, (360) 598-3311 ext. 422 or www.suquamish.nsn.us/museum/index.html. Information on the Suquamish Raven Canoe Society can be accessed at <http://community-2.webtv.net/bkchar/KANOOZ/page3.html>

U.S.S. TURNER JOY. This ship is a Forrest Sherman class destroyer built in Seattle in 1959, and now located on the Bremerton Waterfront adjacent to the State Ferry Terminal. It is available for educational tours by the Bremerton Historic Ships Association. Information about the vessel is available at www.hnsa.org/ships/turnerjoy.htm

Schools & Youth Training Programs

BALLARD MARITIME ACADEMY is a program of Ballard High School and The Seattle School District. The Academy combines a rigorous curriculum in the social sciences, language arts and science with hands-on learning experiences that prepare students for careers in maritime related industries. Contact the Academy at 1418 NW 65th Street, Seattle WA 98117-5237, (206) 252-1000 jcleveland@seattleschools.org or <http://ballard.seattleschools.org/>

COLLEGE OF OCEAN & FISHERY SCIENCE of the University of Washington incorporates the School of Aquatic & Fisheries Sciences, the School of Oceanography, the School of Marine Affairs, the Applied Physics Laboratory and the Washington Sea Grant Program, which has funded educational and interpretive projects. Contact the College at (206) 543-6605, Box 355350 Seattle, WA 98195-5350 or <http://www.cofs.washington.edu>

SEATTLE SEA SCOUT FLEET of the Chief Seattle Council of the Boy Scouts of America offers a co-educational program for young adults between ages 14 and 21. Sea Scouts learn a variety of skills, including knowledge of maritime heritage. For information, contact the Sea Scouts at Seattle Service Center, 3120 Rainier Avenue South, Seattle, WA 98144, 206-722-5200 or <http://www.seattleseascouts.org/contact.htm>

SEATTLE MARITIME ACADEMY is a division of Seattle Central Community College, located in the Ballard neighborhood of Seattle. It provides vocational education, technical training and licensure preparation that meet the needs of industry. The level and scope of training offered is directed towards the following maritime sectors: commercial fishing, Merchant Marine and the workboat industry. The Academy offers about 45 courses annually. It can be contacted at (206) 782-2647, dflath@sccd.ctc.edu, 4455 Shilshole Ave. NW, Seattle, WA 98107-4645 or <http://www.seattlecentral.org/maritime>

YOUTH MARITIME TRAINING ASSOCIATION partners with a range of schools, nonprofit organizations, and representatives from maritime industry to serve the youth of the region in maritime-related educational programs in schools around the state. For information contact YMTA at (206) 782-1080, info@ymta.org or <http://ymta.net>

National Maritime Heritage Educational Resources

AMERICAN SAIL TRAINING ASSOCIATION coordinates sail training programs across the country, and it has several publications of interest, including an activity book, *Tall Ships®Fun!*, and *Guidelines For Educational Programs Under Sail*, for vessel operators and curriculum developers. Contact the Association at P. O. Box 1459, Newport RI 02840 or <http://sailtraining.org/>

42EXPLORE2 web site offers a series of topically organized materials, including those for *Ships and Boats*. Visit the web site at <http://www.42explore2.com/ships.htm>

NATIONAL PARK SERVICE MARITIME RESOURCES include a section on Educational Tools which feature lesson plans for historic vessels. Contact the NPS at www.cr.nps.gov/maritime. The *Teaching With Historic Places* lesson plans can be accessed at www.cr.nps.gov/nr/twhp

NOAA NATIONAL MARINE SANCTUARY offers *Mock Shipwreck: A Lesson in Maritime Archaeology* lesson plan as well as other materials, and is a lead coordinator for the national *Maritime Heritage Education Conference*. Contact the Agency at www.sanctuaries.noaa.gov/education
NOAA also offers Ocean Explorer history at <http://oceanexplorer.noaa.gov/history/history.html>

SOCIETY FOR AMERICAN ARCHAEOLOGY offers several publications including *History Beneath the Sea*, a teaching module. Contact the Society at www.saa.org/Education/eduMat.html

U.S. COAST GUARD offers a series of downloadable materials at <http://www.uscg.mil/news/Downloads/downloads.htm>. The Coast Guard History pages include materials for kids and teachers at <http://www.uscg.mil/hq/g-cp/history/collect.html>

U.S. NAVY MUSEUM & HISTORICAL CENTER hosts a U.S. Navy Museum Educational Programs Teacher Resource Page, which can be accessed at <http://www.history.navy.mil/branches/org8-8.htm>. The Navy Historical Center also provides resources at <http://www.history.navy.mil/>

Links to Other Organizations & Resources

Council of American Maritime Museums

www.councilofamericanmaritimemuseums.org/

Historic Naval Ships Association

www.hnsa.org/index.htm

National Maritime Historical Society: Sea History

<http://www.seahistory.org/html/maritimeinternet.htm>

Shipping Out: The Story of America's Seafaring Women Video & Teacher's Guide

www.waterfrontsoundingsproductions.com/shipping.pdf

This information is available upon request in alternative formats for persons with disabilities. TTY Relay: 711.

By Charles Payton 4/06

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